

A decorative border of pencils surrounds the text. At the top, three pencils are arranged horizontally. On the left, four pencils are arranged vertically. On the right, two pencils are arranged vertically. At the bottom, three pencils are arranged horizontally. In the bottom right corner, there is a pencil cup containing several pencils.

Panthers

Steven Miller, Principal

Raymore-Peculiar High School, PO Box 789, Peculiar, MO 64078

Dear Parents and Students:

This career and educational planning guide contains a wealth of information to assist in organizing and implementing a plan for your high school career and beyond. The career cluster information offers a range of possible careers for each student to consider. Parents can use the career cluster information to discuss career opportunities with their children.

Student course selection is extremely important. Schedule changes can be very difficult and/or denied; therefore, students and parents should carefully consider course selections to ensure the most appropriate choices for students. Please refer to the information outlining post-secondary requirements and expectations to guide course decisions. Regardless of the post-secondary path a student chooses, a rigorous course of study will be necessary to prepare the student for the challenges he/she will face after high school. The teachers, counselors, and administration are available to assist students and parents as they make course decisions. Please do not hesitate to ask for this assistance.

Sincerely,

Raymore-Peculiar Secondary Administration

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The Career & Educational Planning Guide is available on-line:

<http://www.raypec.k12.mo.us>

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STATEMENT OF PURPOSE

The purpose of Raymore-Peculiar High School is to provide a safe, caring, and dynamic learning environment where all students are prepared to be responsible, productive, self-sufficient citizens.

RPHS VISION STATEMENT

Turning Today's Learners into Tomorrow's Leaders

RPHS MISSION STATEMENT

It is the mission of Raymore-Peculiar High School to prepare ALL students for a successful and meaningful life in a global society by providing them with opportunities to nurture their own unique abilities and to empower them with life-long learning skills so as to be responsible, productive citizens.

www.actstudent.org

ACT Test Dates

September 8, 2018

October 27, 2018

December 8, 2018

February 9, 2019

April 13, 2019

June 13, 2019

The Raymore-Peculiar School District also offers evening classes to help students succeed on the ACT.

Frequently Asked Questions.....

What happens if I fail a semester of a required full year (2 semester) course?

It depends on the course failed and which semester it was. If it was a first semester Algebra, Geometry or Algebra II course, then the student would be placed back into a first semester equivalent class during the second semester. In other subjects, options include: summer school, credit for completion, A-plus learning systems credit recovery or repeating the course during the next year of high school.

May I get extra credit through summer school or correspondent courses?

Yes. Please refer to board policies pertaining to this.

What happens if I withdraw from a class before the end of the semester?

You will receive an "F" on your transcript.

May I change my schedule at semester if I don't like a class I am taking?

No, unless it is for reasons listed in the student handbook.

What is the number of credits needed to graduate from high school?

26

Do any classes which I took in middle school count toward high school credit?

Students who pass 8th grade Algebra 8 will be eligible to earn course credit (1 credit per course) towards high school graduation. Math credit will be awarded after a student successfully completes 3 math credits in grades 9-12. Students who are in the class of 2019 and beyond with no grade lower than a C- in Spanish I (taken in 8th grade) will be eligible to earn course credit (1 credit) toward high school graduation. Spanish credit will be awarded after a student successfully completes 2 foreign language credits in grades 9-12. Beginning with the class of 2020, French I credit may also be earned in the same way.

Can I earn college credit while in high school?

Yes, students have the opportunity to enroll in several dual-credit classes or certain scores on AP exams could earn students college credit.

How do I join a club?

Please see our Activities director or Activities secretary for contact information of the club sponsor.

What is Dual Enrollment?

Broadly defined as any situation in which an individual is concurrently enrolled at both a secondary (high school) and post-secondary (college or university) institution. However, the term is frequently used to distinguish from dual credit courses and used to identify situations in which a high school student enrolls in a college course for college credit only. Applications and more information is available in the counseling office.

What is Dual Credit?

A dual credit course is a college course taken by a high school student for which the student is awarded both college and high school credit.

NON-DISCRIMINATION STATEMENT

In accordance with the provisions of the Americans with Disabilities Act of 1990, Title VI of the Civil Rights Act of 1964 (as amended), Title IX of the Educational Amendments of 1972, P.L. 93-112, and Section 504 of the Rehabilitation Act of 1973 and the regulations there under, it is the policy of Raymore-Peculiar R-II School District that no person shall, because of age, sex, race, disability, or national origin be excluded from participation in, be denied the benefits of, or subjected to discrimination under any education program or activity of the District, including the employment of staff personnel.

Written district policies concerning the rights and responsibilities of employees and students are available for inspection at the administrative office of the district.

Inquiries by persons about their protection against discrimination under the Americans with Disabilities Act, Title IX, Title VI, or PL 93-112 and section 504 may be directed in writing or by telephone to:

Director of Human Resources - Raymore-Peculiar R-II School District
21005 S. School Road, Peculiar, MO 64078
816-892-1300 FAX: 816 892-1380

RAYMORE-PECULIAR HIGH SCHOOL COURSE GRADUATION REQUIREMENTS

CURRICULAR AREAS	<i>Graduation Requirements</i>
COMMUNICATION SKILLS	4 units (Must include 1 unit in a core English class for each grade 9-12)
SOCIAL STUDIES	3 units (Must include 1 unit Am. History, 1 unit World History, 1 unit American Government)
MATHEMATICS	3 units (Recommended to include 1 unit Algebra I and 1 unit Geometry and 1 unit of Algebra II)
SCIENCE	3 units (Must include 1 unit Biology I or Adv. Biology I and 1 unit of a physical science (such as Chemistry, Physics, Physical Science))
FINE ARTS	1 unit
PRACTICAL ARTS	½ unit
PHYSICAL EDUCATION	1 unit
PERSONAL FINANCE	1/2 unit
HEALTH	1/2 unit
ELECTIVES	9.5 units
Totals	26 units

*There may be circumstances that would require exceptions to the above graduation requirements. Any exceptions would require approval of the school administration.

Minimum Post-High School Admissions Requirements

AREAS	University of Missouri System Credit Requirements	4 Year Colleges (UCM, MSU) Credit Requirements	Technical Colleges	Careers	Apprenticeship
COMMUNICATION SKILLS	4 Units	4 Units	High School Diploma, GED, or a Completion of Home School Program	High School Diploma	Most Require a High School Diploma or a GED and must be at least 18 years of age
SOCIAL STUDIES	3 Units Govt ½	3 Units Govt ½			
MATHEMATICS	4 Units Alg I & Higher	3 Units Alg I & Higher			
SCIENCE	3 Units 2 of 3 from Bio, Chem, Physics & Earth Science	3 Units No General Science 1 must be a lab class			
FINE ARTS	1 Unit	1 Unit			
PRACTICAL ARTS	0 Units	0 Units			
PHYSICAL EDUCATION	0 Units	0 Units			
ELECTIVES	5 Units	6 Units			
ADDITIONAL ELECTIVES	2 Units 2 Years of the same foreign language	3 Units selected from foreign language &/or core courses			
TOTALS	22 Units Plus appropriate class rank and a minimum score of 24 on ACT	23 Units Plus appropriate class rank and ACT score			

GETTING INVOLVED

To get the most out of school, decide to be involved. The more you are involved in activities, the better your grades and performance will be. Activities and academics equal excellence in education.

INTERSCHOLASTIC ATHLETICS

Sports are part and parcel of every school curriculum because we realize that the ancient goal of a healthy mind in a healthy body is no fantasy, but a realistic and attainable goal. The playing fields of today have a place for strength, it is true, but as anyone who has ever taken time to find out knows, and knows well, they have no place for mindless strength. Sports, as they are practiced in our school, require quick, intelligent minds as well as healthy, trained, and conditioned bodies.

Therefore, it is the philosophy of Raymore-Peculiar High School to encourage each of you to participate in a variety of activities and not limit yourselves in your potential growth and learning experiences.

Classification and Conference Members
For the 2018-2019 school year, we will be competing in the Suburban Gold Division Conference.

Scholastic Eligibility

In order to enjoy the privilege of participating in interscholastic activities, you must meet academic standards established by the Missouri State High School Activities Association (MSHSAA) and the Ray-Pec School District.

Semester Eligibility

You must have attempted and passed a minimum of six classes (3 credits) the previous term to be eligible for the current term.



To Participate in Athletics

If you want to participate in athletics at Raymore-Peculiar High School you must have the following forms (turned in to the coach or Activities Director) prior to practicing:

- Physical Exam (yearly)
- Athletic Insurance
- Consent form signed by parent/guardians and students
- Catastrophic Insurance Fee
- Activity fee
- Student Activities handbook

MSHSAA Sponsored Athletics/Activities Offered at RPHS

Fall Season

Boys/Girls Cross Country
Football
Girls Softball
Boys Soccer
Volleyball
Girls Tennis
Girls Golf
Boys Swimming

Winter Season

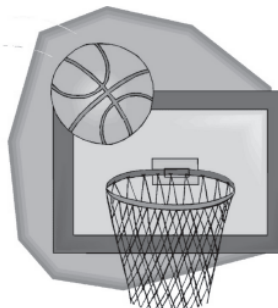
Boys/Girls Basketball
Girls Swimming
Wrestling

Spring Season

Baseball
Boys Golf
Girls Soccer
Boys Tennis
Boys/Girls Track

Year Long Activities

Cheerleading
Forensics
Instrumental Music
Dance Team
Vocal Music



CLUBS AND SCHOOL SPONSORED ACTIVITIES

Why become involved in activities anyway? They build self-respect, self-esteem, self-confidence and the value of teamwork.

The following clubs and activities will be offered during the 2018-2019 school year.

- ▶ Technology Student Association
- ▶ SADD
- ▶ Art Club
- ▶ DECA
- ▶ Drama Club
- ▶ FBLA
- ▶ FCCLA
- ▶ National Honor Society
- ▶ Red Cross Club
- ▶ Robotics Club
- ▶ Scholar Bowl
- ▶ Student Senate
- ▶ Industrial Tech
- ▶ Bowling
- ▶ Trap Shooting
- ▶ National Forensics League
- ▶ Student Athletic Trainers
- ▶ Special Olympics
- ▶ No Place FOR Hate
- ▶ GSA
- ▶ Peer Mediators
- ▶ Community Outreach Corp
- ▶ Environmental Club
- ▶ FDIM
- ▶ French Club
- ▶ Japanese Club
- ▶ K.A.R.E.
- ▶ Rebel
- ▶ Spanish Club

NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE



NCAA Division I Initial-Eligibility Requirements

Core Courses: (16)

- **Initial full-time collegiate enrollment *before* August 1, 2017:**
 - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
- **Initial full-time collegiate enrollment *on or after* August 1, 2017:**
 - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
 - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
 - These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
 - *Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).*

Test Scores: (ACT/SAT)

- Students must present a corresponding test score and core-course GPA on the sliding scale (see Page No. 2).
 - **SAT:** critical reading and math sections.
 - Best subscore from each section is used to determine the SAT *combined* score for initial eligibility.
 - **ACT:** English, math, reading and science sections.
 - Best subscore from each section is used to determine the ACT *sum* score for initial eligibility.
- All ACT and SAT attempts *before* initial full-time collegiate enrollment may be used for initial eligibility.
- **Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.**

Core Grade-Point Average:

- Only *core courses* that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.
- **Initial full-time collegiate enrollment *before* August 1, 2017:**
 - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see Page No. 2).
 - Core-course GPA is calculated using the **best 16 core courses** that meet subject-area requirements.
- **Initial full-time collegiate enrollment *on or after* August 1, 2017:**
 - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
 - Core-course GPA is calculated using the **best 16 core courses** that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

DIVISION I Core-Course Requirement (16)

- 4 years of English
- 3 years of math (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered)
- 1 year of additional English, math or natural/physical science
- 2 years of social science
- 4 years of additional courses (any area above, foreign language or comparative religion/philosophy)

DIVISION I – 2017 Qualifier Requirements

**Athletics aid, practice, and competition*

- 16 core courses
 - Ten (10) core courses completed before the start of seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science.
 - "Locked in" for core-course GPA calculation.
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
- Graduate from high school.

DIVISION I – 2017 Academic Redshirt Requirements

**Athletics aid and practice (no competition)*

- 16 core courses
 - No grades/credits "locked in" (repeated courses after the seventh semester begins may be used for initial eligibility).
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B (see Page No. 2).
- Graduate from high school.

Sliding Scale A		
<i>Use for Division I prior to August 1, 2016</i>		
NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT	ACT Sum
	Verbal and Math ONLY	
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

Sliding Scale B		
<i>Use for Division I beginning August 1, 2016</i>		
NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT	ACT Sum
	Verbal and Math ONLY	
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	910	76
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	81
2.125	970	82
2.100	980	83
2.075	990	84
2.050	1000	85
2.025	1010	86
2.000	1020	86

For more information, visit www.eligibilitycenter.org or www.2point3.org.

NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE



Division II Initial-Eligibility Requirements

Core Courses

- **Division II currently requires 16 core courses.** See the chart below.
- **Beginning August 1, 2018**, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

Test Scores

- **Division II** currently requires a minimum SAT score of 820 or an ACT sum score of 68. **Beginning August 1, 2018**, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

Grade-Point Average

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- The current **Division II** core GPA requirement is a minimum of 2.000. **Division II** core GPA required to be eligible for competition on or after August 1, 2018, is 2.200 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- The minimum **Division II** core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.

DIVISION II 16 Core Courses

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 3 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II COMPETITION SLIDING SCALE		
<i>Use for Division II beginning August 1, 2018</i>		
Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.300 & above	400	37
3.275	410	38
3.250	420	39
3.225	430	40
3.200	440	41
3.175	450	41
3.150	460	42
3.125	470	42
3.100	480	43
3.075	490	44
3.050	500	44
3.025	510	45
3.000	520	46
2.975	530	46
2.950	540	47
2.925	550	47
2.900	560	48
2.875	570	49
2.850	580	49
2.825	590	50
2.800	600	50
2.775	610	51
2.750	620	52
2.725	630	52
2.700	640	53
2.675	650	53
2.650	660	54
2.625	670	55
2.600	680	56
2.575	690	56
2.550	700	57
2.525	710	58
2.500	720	59
2.475	730	60
2.450	740	61
2.425	750	61
2.400	760	62
2.375	770	63
2.350	780	64
2.325	790	65
2.300	800	66
2.275	810	67
2.250	820	68
2.225	830	69
2.200	840 & above	70 & above

DIVISION II PARTIAL QUALIFIER SLIDING SCALE		
<i>Use for Division II beginning August 1, 2018</i>		
Core GPA	SAT Verbal and Math ONLY	ACT Sum
3.050 & above	400	37
3.025	410	38
3.000	420	39
2.975	430	40
2.950	440	41
2.925	450	41
2.900	460	42
2.875	470	42
2.850	480	43
2.825	490	44
2.800	500	44
2.775	510	45
2.750	520	46
2.725	530	46
2.700	540	47
2.675	550	47
2.650	560	48
2.625	570	49
2.600	580	49
2.575	590	50
2.550	600	50
2.525	610	51
2.500	620	52
2.475	630	52
2.450	640	53
2.425	650	53
2.400	660	54
2.375	670	55
2.350	680	56
2.325	690	56
2.300	700	57
2.275	710	58
2.250	720	59
2.225	730	60
2.200	740	61
2.175	750	61
2.150	760	62
2.125	770	63
2.100	780	64
2.075	790	65
2.050	800	66
2.025	810	67
2.000	820 & above	68 & above



THE NAIA ELIGIBILITY CENTER

The NAIA has nearly 300 campuses in the U.S. and Canada offering:

- Top-notch college sports for 50,000 athletes
- A shot at playing in one of 23 national championships in 13 sports
- \$450 million in athletic aid

At www.PlayNAIA.org prospective students can:

- Explore the world of NAIA college sports
- Build a customized personal Sport Resume
- Connect with NAIA coaches and admissions officers
- Register and get ready to play NAIA

www.PlayNAIA.org

For more information, visit the NCAA Eligibility Center website at www.eligibilitycenter.org.

Panther A+ Program

Background

The Outstanding Schools Act of 1993 established within the Department of Elementary and Secondary Education the “A+ Schools Program” to be administered by the commissioner of education. Raymore-Peculiar began the A+ Program in 1997. The first A+ graduates were in the class of 2000.

Eligibility

To be eligible for the financial incentives of the A+ Schools Program, a student must be certified as an A+ student by the high school. To qualify, the student must meet the following criteria:

- Enter into a written agreement with the high school prior to graduation and have attended an A+ designated school for at least three consecutive years.
- Graduate from high school with a cumulative grade point average of 2.5 or higher on a 4.0 non-weighted scale.
- Graduate with at least a 95% cumulative attendance record.
- Perform 50 hours of unpaid tutoring or mentoring of younger students through a school-sponsored program.
- Maintain a record of good citizenship and avoidance of the unlawful use of drugs and alcohol.
- Complete the FAFSA. (<http://www.fafsa.gov/>)
- Students must score proficient or above on Algebra I EOC exam or Geometry EOC exam or Algebra II EOC exam or a qualifying score on the COMPASS or the ACT.

Student Enrollment in A+

- Students are encouraged to enroll in the program early in their freshman year.
- An A+ Letter of Intent must be completed with all appropriate signatures and returned by the deadlines set.
- Anyone requesting A+ Incentives after the beginning of his/her sophomore year must meet all criteria dating back to the beginning of his/her freshman year.
- Seniors must complete all requirements prior to graduation.
- A student may transfer from one A+ designated school to another and maintain A+ eligibility.

Post-Secondary Student Incentives

Qualified A+ graduates will be eligible to receive:

- Tuition (up to \$159.75 per credit hour) and general fees to attend any Missouri public community college, vocational or technical school within forty-eight months after graduation from high school.
 - Students must be working towards a degree or certificate and be a full-time student.
 - The benefit is good for up to 105% of the hours for the program in which the student is enrolled.
 - Funding each year is dependent on appropriations from the state legislature.
- ***Please consult the RPHS A+ website (<http://raypeccounselingoffice.weebly.com/a-program.html>) or handbook (available in the A+ office) for more specific information about eligibility and procedures.

Local community colleges/technical schools that accept A+ students

Metropolitan Community Colleges
 (Longview Community College/Penn Valley Community College/
 Maple Woods Community College/Blue River Community College)
 State Fair Community College, Sedalia
 Linn State Technical College, Linn
 Ozark Technical Community College, Springfield
 Herndon Area Career Center, Raytown
 Cass Career Center, Harrisonville
 Warrensburg Area Career Center, Warrensburg

DUAL CREDIT COURSES AVAILABLE

(High School courses in which students may earn college credit)

Through the University of Missouri Kansas City, the University of Central Missouri, Metropolitan Community Colleges, Wichita State or Missouri State.

Students will work with instructor of each course to sign up for college credit. Students/parents are responsible for payment to the college to receive the appropriate college credit for each course. Students should also check with each institution on policies regarding withdrawing from a course and requesting transcript information. Dual credit courses taken in high school may impact future federal financial aid if not successfully completed. Each college or university has a policy for this so please check with each prospective institution. Course offerings are subject to change based on enrollment and staffing

English 101	Dual Credit Computer Concepts & Applications
English 102	Dual Credit Finance
English 218	Western Civilization 133
French IV	Western Civilization 134
Spanish III	American History 101
Spanish IV	American History 102
Spanish V	Dual Credit Accounting
Dual Credit College Algebra	Discovering Theatre
Trigonometry	Dual Credit Fundamentals of Speech
Statistics	Dual Credit Advanced Debate
Analytic Geometry	Introduction to Engineering Design
Calculus	

Specific courses at Summit Technology and Cass Career Center are also available for dual credit.

Please refer to individual course descriptions for more information.

ADVANCED PLACEMENT COURSES AVAILABLE

AP English: Literature & Composition	AP World History	AP Biology
AP English Language & Composition	AP United States Government & Politics	AP Studio Art
	AP Chemistry	AP Music Theory

Academic Seminar Advanced Courses

Academic seminar offers students in advanced courses the ability to work on AP, IB, or dual-credit courses during the day. This course may be repeated but is not worth credit. **Students may not take Academic Seminar and Teacher/Office Aide in the same semester.**

Advanced English II	AP Studio Art	AP Music Theory
AP English: Language & Composition	Statistics	IB Environmental Systems & Societies
AP English: Literature & Composition	Calculus	IB History of the Americas HL 1/2
English 101	Western Civilization 133	IB Psychology SL
English 102	Western Civilization 134	IB Visual Arts SL 1
English 218	American History 101	IB Visual Arts HL 1
French IV	American History 102	IB Biology HL 1/2
Spanish III	AP US Government & Politics	IB Chemistry HL 1/2
Spanish IV	Advanced American History	IB English HL 1/2
Spanish V	AP World History	IB Theory of Knowledge 1
Advanced Geometry	Advanced Biology	IB Mathematics SL 1/2
Algebra II (for sophomore use only)	AP Chemistry	IB Theatre Arts SL 1 A/B
Advanced Algebra II	Physics	IB Social & Cultural Anthropology
Dual Credit College Algebra	Human Anatomy & Physiology	IB Business Management
Trigonometry	AP Biology	IB Psychology HL
Analytic Geometry	Astronomy	IB Film SL

Articulation: Students receive high school credit only. However, college credit is available through a written agreement between the high school and the College. Articulated college credit is awarded to students who successfully complete course/program while in high school and complete additional coursework at the Metropolitan Community Colleges that meets the requirements of the Articulation Agreement for the program in which the student was enrolled.

Advanced Placement Classes: Most four-year colleges in the United States and colleges in more than 60 other countries give students credit, advanced placement or both on the basis of AP Exam scores taken during high school. Individual colleges and universities, not the College Board or the AP Program, grant course credit and placement. You should obtain a college's AP policy in writing. You can usually find this information through the institution directly or by using the AP Credit Policy Info search at www.collegeboard.org/ap/creditpolicy.

Dual credit: Dual credit courses enable high school students to receive, simultaneously, both high school and college-level course credit. They provide high-performing high school students an affordable opportunity to experience high-quality college-level courses. Dual credit courses may be taught by full time college faculty who instruct high school students either on campus or in the high school via on-site instruction or interactive television. Dual credit courses may also be taught using the same modes of delivery by adjunct faculty who may teach part time both on the college campus and at the high school site. However, the large majority of dual credit courses are taught by high school faculty with supervision by on-campus college faculty.

Dual enrollment: Dual enrollment courses enable high school students to receive, simultaneously, both high school and college-level course credit. Students take the courses online at RPHS during the regular school day in an academic seminar setting. Dual enrollment courses are taught by full time college faculty members. These courses provide high-performing students an affordable opportunity to experience high-quality college-level coursework. In order for a student to earn an Associate of Art (AA) degree through the Early College Program, students must enroll in approximately 20 credit hours of dual enrollment. For more information on the AA degree program, please refer to pages ----. Specific requirements can be acquired from your school counselor.

Missouri Virtual Instruction Program (MoVIP): MoVIP, the state virtual school for Missouri, is a tuition program offering classes to public, private and home school students.

Students take MoVIP classes for many reasons. Missouri students can now access advanced classes or foreign language classes on MoVIP that are not currently offered by their local school district. Some students take MoVIP classes to graduate early or to solve class scheduling problems; other students take advantage of the "foundation classes" offered for credit recovery. A number of Missouri students are not able to attend their traditional schools for medical reasons, or they are involved in special activities or are presently outside of the state.

Online education offers students flexibility in a variety of ways. MoVIP classes are self-paced so students can move through the classes at a faster or slower pace if necessary. MoVIP offers various start dates.

MoVIP offers 172 different courses including seven different foreign languages and 19 Advanced Placement classes. Please visit the MoVIP website for enrollment information: www.movip.org

Correspondence courses: The Raymore-Peculiar R-II School District recognizes units of credit obtained through accredited schools, including credits earned through correspondence courses or courses delivered primarily through electronic media, such as satellite video, cable video or computer-driven or online courses. For the purposes of this policy, an "accredited school" is the Missouri Virtual Instruction Program (MoVIP); a private agency where students with disabilities are placed by a public school; or any school accredited by the Missouri Department of Elementary and Secondary Education (DESE) or the North Central Commission on Accreditation and School Improvement (NCA CASI). Except for courses earned through MoVIP, a student may apply a maximum of two (2) credits from correspondence courses to meet graduation requirements.

Weight Grades and Weighted Classes: For the classes of 2019-2021, students will be offered an opportunity for weighted credit in Advanced Placement (AP) courses, International Baccalaureate (IB) courses and dual credit courses based on the following criteria:

- a. In AP courses, for the purpose of calculated weighted GPA, 1 GPA point will be added to the student's course GPA with a passing grade and completion of the AP exam.
- b. In IB courses, for the purpose of calculated weighted GPA, 1 GPA point will be added to the student's course GPA with a passing grade and completion of the IB exam.
- c. In dual credit courses, for the purpose of calculated weighted GPA, 1 GPA point will be added to the student's course GPA with a passing grade.

Beginning with the Class of 2022

- a. AP Courses, Dual Credit Courses (except for Calculus), and Level 1 IB courses (IB courses that are only part of a one-year sequence) will continue to receive an additional weight of 1.00 GPA point per semester course taken.
NOTE: AP Courses will only receive weight pending the successful completion of the AP Exam for the course.
- b. Theory of Knowledge, which is provided only for IB Diploma candidates, will receive an additional weight of 1.00 GPA point per semester.
- c. Calculus and Level 2 IB courses (IB courses that are the second year of a two-year sequence) will receive an additional weight of 1.333 GPA Points per semester course taken, pending completion of the IB test for the course.
- d. No additional grade points will be awarded in any weighted course for a letter grade below a C-

INTERNATIONAL BACCALAUREATE

The International Baccalaureate (IB) program is a two-year curriculum and assessment program practiced and respected around the world. Founded in 1968, the IB works with 3,290 schools in 141 countries to develop and offer three challenging programs to over 969,000 students aged 3 to 19 years. In the US, 743 high schools are IB world schools. The IB encourages students to be active learners and well-rounded individuals.

International Baccalaureate courses allow those students who value the challenges of academically rigorous studies an opportunity to add depth, scope, and global emphasis to their high school education. Those IB diploma and certificate students who have participated in this program often find the rigor and unique nature of their studies to be not only a broadening educational high school experience, but also to be exceptional preparation for their college or university studies.

Most IB classes are two years long, while others are one year. Students can choose to take one or multiple classes depending on their strengths and interests, or they can choose to do the full IB Diploma Program that requires students to take seven IB courses, write a 4,000-word research essay, and complete a service project. Depending on where they go to college, students can potentially earn college credit for the IB classes they take.

Raymore-Peculiar IB Course Offerings:

IB French SL (two-year course)

IB Spanish SL (two-year course)

IB Literature HL (two-year course)

IB History HL (two-year course)

IB Psychology SL (one-year course)

IB Psychology HL (two-year course)

IB Anthropology SL (one-year course)

IB Business Management SL (one-year course)

IB Chemistry HL (two-year course)

IB Biology HL (two-year course)

IB Environmental Systems and Societies (one-year course)

IB Mathematics SL (two-year course)

IB Math Studies SL (two-year course)

IB Visual Arts HL (two-year course)

IB Theatre SL (two-year course)

IB Film SL (two-year course)

Career Paths

Career paths are clusters of occupations/careers grouped according to participants' interests and talents or skills. All paths include a variety of occupations that require different levels of education and training. Thus, career paths provide a plan for all students, whatever their interests, abilities, talents, or desired levels of education. Selecting a career path provides a student with an area of FOCUS, along with FLEXIBILITY and a VARIETY of ideas to pursue. The focus of career paths is on helping students choose a career path, not a specific occupation. Selecting a career path is not a lifelong commitment; it is a place to begin focusing one's energies. As students take different courses and learn more about themselves and careers, they will probably change career paths. Students who understand the career paths concept will be aware that there are a variety of other related possibilities if the first path no longer fits them. If different career paths become more interesting, the students can reevaluate plans, make appropriate decisions, and revise their high school plans as necessary.

Benefits

Deciding on a career path can assist you in exploring your interests and preparing for your future. The intent is not for you to decide on a specific occupation for the rest of your life, but to select a career path into which you can begin directing your energies. Identifying a career path can help you in selecting school courses, activities, and part-time employment. It can also help guide your participation in job shadowing, career exploration and internships. A career path choice is not a permanent commitment. As you have new experiences, you learn new things about yourself and may decide to change career paths. If you decide on a different career path to explore, you should discuss it with your counselor and adjust your future course selections in accordance with your new career exploration.

Career Exploration Assessments

Raymore-Peculiar High School students complete career exploration assessments starting in the 8th grade. This is a way the student can identify an initial career path choice. Counselors and advisors will then use this information to assist students in making course selections and developing a plan of study.

CHOOSING A CAREER PATH OR CLUSTER

1. Identify your interests, abilities, and talents.
2. Identify the career path or cluster that relates to your interests, abilities, and talents.
3. Explore occupations in those career paths or clusters.
4. Decide how much education you want to receive after high school.
5. Develop a personal plan of study by selecting courses and co-curricular activities that relate to your career educational and career goal.

Career Planning Common Language

Individual Planning Vocabulary

Guidance and Counseling

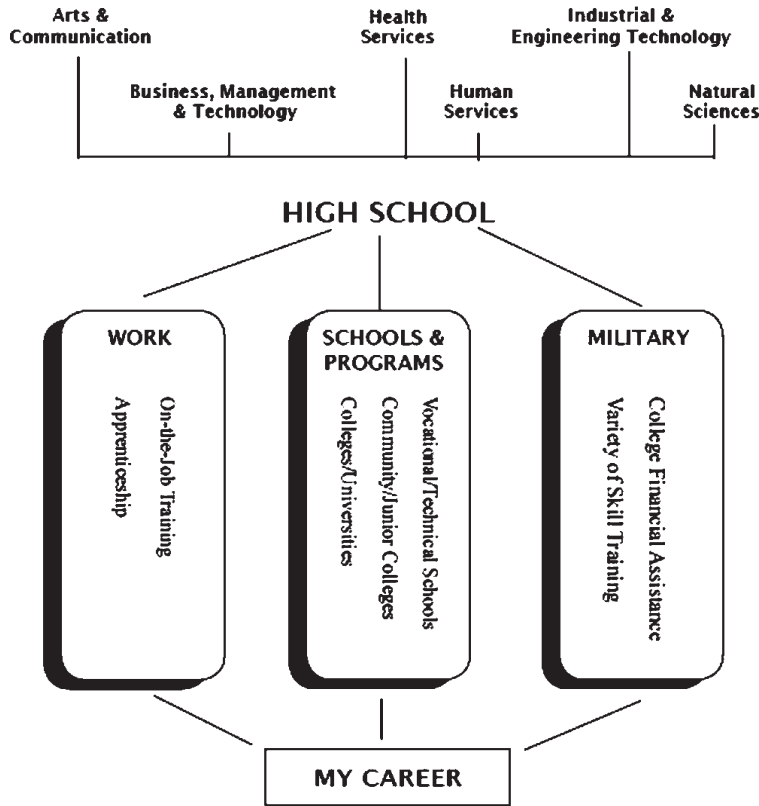
Missouri Department of Elementary and Secondary Education

August, 2011

Definition and Purpose:

1. **Guidance Grade Level Expectations (GLEs):** The systematic, sequential and developmentally appropriate set of knowledge, skill and understanding for the K-12 guidance curriculum.
2. **Life Career Development:** Self-development over the life span through the integration of roles, settings, and events of a person's life.
3. **Individual Planning:** The process of on-going educational and career-planning services that helps all students develop personal plans of study organized around programs of study and their personal, career, and educational goals.
4. **Personal Plan of Study (PPOS):** A student's scope and sequence of course work and related activities based upon their chosen Career Path or Career Cluster and their educational goals. Initiated in the eighth grade, it is designed to insure a successful post-secondary transition. The key component of the Individual Planning process.
5. **Program of Study (POS):** Secondary-to-postsecondary sequences of academic and career education course work, along with additional learning opportunities, that lead students to attain a postsecondary degree or industry-recognized certificate or credential.
 - a. **Process:** Missouri currently uses a 10 step process for the development of Programs of Study that is aligned with federal guidelines which includes creation of POS templates and secondary/post-secondary curriculum alignment. This process is currently under review at the state level.
 - b. **Template:** The model or form developed by schools that lists courses, occupations and additional learning opportunities to help students develop their personal plan of study. The completion of the POS template does not infer that the POS process has been completed.
6. **Career Paths (6) Clusters (16) Career Pathways (78):** A progressive framework to organize the world of work and career information. The framework provides the structure to assist students in understanding the world of work, and to organize course and co-curricular offerings in the school.
7. **Missouri Connections:** A free web-based career and educational planning resource to help Missouri citizens determine their career interests, explore occupations, establish education plans, develop job search strategies, and create résumés.

CAREER PREPARATION CHOICES AFTER HIGH SCHOOL



ADMISSIONS OFFICES FOR MISSOURI PUBLIC FOUR-YEAR INSTITUTIONS

University of Central Missouri
Ward Edwards 1400
Warrensburg, MO 64093
877-729-8266
www.ucmo.edu

Missouri Western State College
4525 Downs Drive
St. Joseph, MO 64507
800-662-7041
www.missouriwestern.edu

Truman State University
100 E. Normal
Kirksville, MO 63501
660-785-4114
www.truman.edu

University Missouri-St. Louis
351 Millennium Student Center
St. Louis, MO 63121
800-462-8675
www.umsl.edu

Harris-Stowe State University
3026 LaClede Avenue
St. Louis, MO 63103
314-340-3300
www.hssu.edu

Northwest Missouri State University
800 University Drive
Maryville, MO 64468
660-562-1148
www.nwmissouri.edu

University of Missouri - Columbia
130 Jesse Hall
Columbia, MO 65211
800-225-6075
www.missouri.edu

Lincoln University
820 Chestnut
Jefferson City, MO 65102
573-681-5599
www.lincolnu.edu

Southeast Missouri State University
One University Plaza
Cape Girardeau, MO 63701
573-651-2590
www.semo.edu

University of Missouri – Kansas City
5100 Rockhill Road
Kansas City, MO 64110
816-235-1111
www.umkc.edu

Missouri Southern State University
3950 East Newman Road
Joplin, MO 64801
417-625-9743
www.mssu.edu

Missouri State University
901 South National
Springfield, MO 65804
800-492-7900
www.missouristate.edu

University of Missouri – Science & Technology
1870 Miner Circle
Rolla, MO 65401
800-522-0938
www.mst.edu

Metropolitan Community Colleges

www.mcckc.edu

Blue River
20301 East 78th Hwy
Independence, MO 64057
816-604-6500

Longview
500 SW Longview Road
Lee's Summit, MO 64081
816-604-2000

Maple Woods
2601 NE Barry Road
Kansas City, MO 64156
816-604-3000

Penn Valley
3201 SW Trafficway
Kansas City, MO 64111
816-604-4000

Business & Technology
1775 Universal Ave
Kansas City, MO 64120
816-604-5200

Local Union and Labor Department Contacts

Department of Agriculture	816-926-6502	www.usda.gov
American Nurses Association	800-274-4262	www.nursingworld.org
Auto Workers Local 31	913-342-7330	www.uaw.org
BCTGM Union -Bakery, Confectionary, Tobacco Workers & Grain Millers	816-474-9722	www.bctgm.org
International Brotherhood Boilermakers	816-523-8300	www.boilermakers.org
Bricklayers Local #15	816-241-6695	baclocal15.org
Associated Builders & Contractors	913-831-2221	www.abc.org
Building & Construction Trade Dept	816-836-8485	www.bctd.org
Carpenters Union District Council	816-931-3414	www.carpdc.org
Communications Worker of America	816-842-6327	www.cwa-union.org
American Culinary Federation	913-469-8500	www.acfchefs.org
IBEW Electrical Workers Local 1613	816-241-1613	www.ibew1613.org
Fire Fighters Local 42	816-358-4222	www.iaff42.org
Ironworkers Union	816-842-8917	www.ironworkers.org
KC Teamsters	816-924-2000	www.teamsters.com
International Association of Machinist & Aerospace Workers Lodge #176	816-393-7070	http://iamaw176.org/index.htm
International Union of Painters & Allied Trade Local 3	816-358-2440	www.iupat.org
Pipefitters Local 533	816-523-1533	www.local533.com
Roofers Local 20	816-313-9420	www.rooferslocal20.com
Sheet Metal Workers Local 2	816-254-8021	www.sheetmetal2.org
United Transportation Union	816-822-7453	www.utu.org
Brotherhood of Locomotive Engineers & Trainmen	816-734-0238	www.ble-t.org
Missouri Registered Apprenticeship	816-502-9095	www.missouriapprenticeship.com
Missouri Department of Labor	573-751-4091	www.labor.mo.gov
US Department of Labor	866-487-2365	www.dol.gov

For employment outlook information the *Occupational Outlook Handbook* can be purchased from the Bureau of Labor Statistics www.bls.gov (see website for price information)

Military Recruitment Information

Army

United States Army
Kansas City Recruiting Battalion
10300 NW Prairie View Road
Kansas City, Missouri 64153-1350
www.goarmy.com

Marines

17047 Bel-Ray
Belton, MO 64012
816-348-7563
www.marines.mil

Coast Guard

6228 NW Barry Rd. & I-29
Kansas City, MO 64154-2530
816-746-9924

National Guard

Missouri National Guard
2302 Militia Dr
Jefferson City, MO 65101
Local Recruiter 816-922-5008
www.moguard.com

Air Force

United States Air Force
12121 Blue Ridge Ext
Grandview, MO 64030
816-763-1578
www.airforce.com

United States Navy

Navy Recruiting Station
12121-A Blue Ridge Blvd.
Grandview, MO 64030
816-966-0700

FIND YOUR FUTURE IN Career Paths & Career Clusters

WWW.MISSOURICONNECTIONS.ORG

Science, Technology, Engineering and Mathematics
Engineering and Technology
Science and Math

Architecture and Construction
Design and Pre-Construction
Construction
Maintenance and Operations

Manufacturing
Production
Manufacturing Production Process Development
Maintenance, Installation and Repair
Quality Assurance
Logistics and Inventory Control
Health, Safety and Environmental Assurance

Transportation, Distribution and Logistics
Transportation Operations
Logistics, Planning and Management Services
Warehousing and Distribution Center Operations
Facility and Mobile Equipment Maintenance
Transportation Systems and Infrastructure
Planning, Management and Regulation
Health, Safety and Environmental Management
Sales and Services

Human Services
Early Childhood Development and Services
Counseling and Mental Health Services
Family and Community Services
Personal Care Services
Consumer Services

Hospitality and Tourism
Restaurants and Food and Beverage Services
Recreation, Amusement and Attractions
Travel and Tourism
Lodging

Government and Public Administration
Public Management and Administration
Governance
National Security
Foreign Service
Planning
Revenue and Taxation
Regulation

Law, Public Safety, Corrections and Security
Correction Services
Emergency and Fire Management Services
Security and Protective Services
Law Enforcement Services
Legal Services

Education and Training
Administration and Administrative Support
Professional Support Services
Teaching and Training

Agriculture, Food and Natural Resources
Food Products and Processing Systems
Plant Systems
Animal Systems
Power, Structural and Technical Systems
Natural Resources and Environmental Systems
Agribusiness Systems

Health Science
Biotechnology Research and Development
Therapeutic Services
Diagnostics Services
Health Informatics
Support Services

Health Services
Health Path

Industrial & Engineering Technology
Building & Fixing Path

Human Services
Helping Path

Foundation Knowledge & Skills
Academic & Technical Skills
Teamwork Career Development
Information Technology Application
Problem Solving Critical Thinking
Employability Ethics Systems
Safety, Health & Environment
Legal Responsibilities
Communication

Arts & Communication
Creative Path

Natural Resources Agriculture
Nature Path

Business, Management & Technology
Business Path

Arts, A/V Technology and Communications
Audio and Video Technology and Film
Printing Technology
Visual Arts
Performing Arts
Journalism and Broadcasting
Telecommunications

Information Technology
Network Systems
Information Support and Services
Web and Digital Communications
Programming and Software Development

Finance
Accounting
Insurance
Banking Services
Business Finance
Securities and Investments

Marketing
Marketing Management
Marketing Communications
Marketing Research
Professional Sales
Merchandising

Business Management and Administration
General Management
Human Resources Management
Business Information Management
Administrative Support
Operations Management

<h1 style="margin: 0;">RPHS</h1> <p style="margin: 0;">Career Paths & Cluster</p>	<h2 style="margin: 0;">Arts & Communication</h2> <h3 style="margin: 0;">Arts, Audio-Visual Technology and Communication</h3>
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**Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.**

	Subject	Grade 9	Grade 10	Grade 11	Grade 12	
High School Courses	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English	
	Math (3 units)	Algebra I, Geometry, or Advanced Geometry	Geometry, Adv. Geometry, Algebra II, or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.	
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, or IB Biology, IB Chemistry, or Environ. Systems & Societies	College bound students should choose a 4th unit of science.	
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.	
	Physical Education & Health	½ unit Physical Education ½ unit Health ½ unit 9 th Weights	½ unit elective PE class			
	Fine Arts	One unit fine art is required				
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college				
	Practical Arts	One unit required that includes ½ unit of Personal Finance				
	Suggested Electives	Any art, music or theater class, Dual Credit Fundamentals of Speech, Competitive & Advanced Competitive Debate, Media I, II, III, KPTV, Graphic Design, Design & Digital Media, Journalism 1,2,3,4, Photojournalism, Fundamentals of Fashion and Interior Design, Fashion Design and Construction, Interior Design, Advanced Fashion, Advanced Interior Design, IB Social and Cultural Anthropology, Programs at Summit Tech Academy, IB Film				

Recommended Youth Activities: Choir, Create a website, Drama Club, Marching Band, Photograph/record a school activity, School newspaper staff, School play or musical, Yearbook staff, Robotics, SkillsUSA, Act in a community production, Community Service Projects, Create a community website or promotional video, Co-operative Education, Internships, Job shadow professionals, Join community band, choir, orchestra or theatre, Participate in a community art project, Take dance lessons, Volunteer in a museum

Post-Secondary Options	<p style="text-align: center;">Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p style="text-align: center;"> www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov </p> <p style="text-align: center;">If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p style="text-align: center;"> www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard) </p> <p style="text-align: center;"> www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard) </p>
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Career Possibilities in Arts, Audio-Visual Technology and Communication					
Arts, A-V Technology and Film	Journalism and Broadcasting	Printing Technology	Telecommunications	Performing Arts	Visual Arts
<ul style="list-style-type: none"> Animator Audio Technician Sound Engineering Technician 	<ul style="list-style-type: none"> Broadcast News Analyst Editor Reporter Writer 	<ul style="list-style-type: none"> Desktop Publishing Specialist Prepress Technician Press Operator 	<ul style="list-style-type: none"> Central Office Installer Network & Computer Administrator Telecommunications Equipment Installer 	<ul style="list-style-type: none"> Actor/Actress Agent or Business Manager Choreographer Composer Director/Producer Model Musician Professional Athlete Singer 	<ul style="list-style-type: none"> Art Director Artist Commercial Photographer Fashion Designer Floral Designer Graphic Designer Interior Designer Jeweler

**For more information regarding careers and post-secondary options visit
www.missouriconnections.org**

<p>RPHS Career Paths & Cluster</p>	<h1 style="margin: 0;">Business, Management, & Technology</h1> <h2 style="margin: 0;">Business, Management and Administration</h2>
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**Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.**

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102 AP English Literature, or IB English
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II, or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, or IB Biology, IB Chemistry, or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class		
	Fine Arts	One unit fine art is required			
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college			
	Practical Arts	One unit required that includes ½ unit of Personal Finance			
	Suggested Electives	Any modern language course, Dual Credit Fundamentals of Speech, Competitive Debate, Advanced Competitive Debate, Psychology, Sociology, Advanced Math Topics, Business Essentials, IB Business Management, Marketing I, Marketing II, Entrepreneurship, Sports & Entertainment Marketing, Dual Credit Computer Concepts and Applications, Intro to Computer Science, Visual Basic Programming, Java I, Java II, C++ Programming I, IT Basics, IT Essentials, Networking Essentials, Game Programming, Mobile Application Development, courses at Summit Tech Academy.			
<p>Recommended Youth Activities: Association of Marketing Students (DECA), Future Business Leaders of America (FBLA), Manage fundraising activities, Student Council, Co-operative education, Job shadow professionals, Join a committee to plan an event, Join Boy and Girl Scouts, Organize/Participate in fundraising event, Participate in youth leadership programs, Secure part-time employment, Volunteer in the community</p>					
Post-Secondary Options	<p style="text-align: center;">Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p style="text-align: center;"> www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov </p> <p style="text-align: center;">If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p style="text-align: center;"> www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard) www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard) </p>				
Career Possibilities in Business, Management & Administration					
Human Resources Management	Administrative Support	Operations Management	Business Information Management	General Management	
<ul style="list-style-type: none"> • Compensation, Benefits and Job Analysis Specialist • Corporate Trainer • Human Resources Manager • OSHA/ADA Compliance Officer • Personnel Recruiter 	<ul style="list-style-type: none"> • Administrative Assistant • Communications Equipment Operator • Data Entry Specialist • Office Manager • Receptionist • Stenographer 	<ul style="list-style-type: none"> • Buyer/Planner • Facilities Manager • Inventory Manager • Procurement Officer • Quality Control Technician • Supply Chain Manager 	<ul style="list-style-type: none"> • Budget Analyst • Business Consultant • Business Operations Specialist • Price Analyst • Product Manager 	<ul style="list-style-type: none"> • Administrative Services Manager • Chief Executive Officer • General Manager • Management Analyst 	

**For more information regarding careers and post-secondary options visit
www.missouriconnections.org**

<b style="font-size: 2em;">RPHS Career Paths & Cluster	<h1 style="margin: 0;">Business, Management, & Technology</h1> <h2 style="margin: 0;">Finance</h2>
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**Students must meet Raymore-Peculiar graduation requirements.
 These courses are suggested for students interested in this career area.**

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II, or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry, or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History or the Americas	College bound students should choose a 4th unit of social studies.
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class		
	Fine Arts	One unit fine art is required			
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college			
	Practical Arts	One unit required that includes ½ unit of Personal Finance			
Suggested Electives	Any modern language course, Dual Credit Fundamentals of Speech, Competitive Debate, Advanced Competitive Debate, Advanced Math Topics, Business Essentials, Personal Finance, Dual Credit Finance, Banking & Finance, Accounting I, Dual Credit Accounting II, Accounting III, IB Business Management, Marketing I, Marketing II, Entrepreneurship, Sports & Entertainment Marketing, courses at Summit Tech Academy.				

Recommended Youth Activities: Association of Marketing Students (DECA), Future Business Leaders of America (FBLA), Manage fundraising activities, Student Council, Concession management, Campaign for an office, Competitive business events, Fundraising participation, Local investment club

Post-Secondary Options	<p>Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p> www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov </p> <p>If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p> www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard) </p> <p> www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard) </p>
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Career Possibilities in Finance				
Accounting	Securities & Investments	Business Finance	Banking Services	Insurance
<ul style="list-style-type: none"> • Accountant or Auditor • Bookkeeping, Accounting and Auditing Clerk • Financial Manager 	<ul style="list-style-type: none"> • Investment Advisor • Personal Finance Advisor • Securities, Commodities and Financial Services Sales Agents • Tax Preparation 	<ul style="list-style-type: none"> • Controller • Economist • Financial Analyst • Financial Examiner 	<ul style="list-style-type: none"> • Bill and Account Collector • Credit Analyst • Debt Counselor • Loan Officer • Operations Manager • Teller 	<ul style="list-style-type: none"> • Actuary • Claims Adjuster, Examiner, Investigator • Insurance Appraiser • Insurance Underwriter

For more information regarding careers and post-secondary options visit
[**www.missouriconnections.org**](http://www.missouriconnections.org)

RPHS

Career Paths
& Cluster

Business, Management, & Technology

Information and Technology

Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12	
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English	
	Math (3 units)	Algebra I, Geometry or Adv. Geometry	Geometry, Adv. Geometry Algebra II or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra or Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4 th unit of math.	
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry or IB Environ. Systems & Societies	College bound students should choose a 4 th unit of science.	
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4 th unit of social studies.	
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class			
	Fine Arts	One unit fine art is required				
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college				
	Practical Arts	One unit required that includes ½ unit of Personal Finance				
Suggested Electives	Dual Credit Fundamentals of Speech, Competitive Debate, Advanced Competitive Debate, Advanced Math Topics, Business Essentials, Entrepreneurship, Dual Credit Computer Concepts and Applications, Intro to Computer Science, Visual Basic Programming, Java I, Java II, C++ Programming I, IT Basics, IT Essentials, Networking Essentials, Game Programming, Mobile Application Development, courses at Summit Tech Academy.					

Recommended Youth Activities: Develop web pages, Future Business Leaders of America (FBLA), Prepare school multimedia/video projects, School newspaper staff, SkillsUSA, Yearbook staff, Create a community web site or promotional video, Volunteer in the community, Help individuals use a computer, Set up computers and install software, Job shadow professionals, Co-operative Education

Post-Secondary Options	Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.		
	www.missouriconnections.org	www.collegeboard.com	www.dhe.mo.gov
	If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:		
	www.army.mil (Army)	www.navy.mil (Navy)	www.ng.mil (National Guard)
	www.marines.mil (Marines)	www.af.mil (Air Force)	www.uscg.mil (Coast Guard)

Career Possibilities in Information Technology

Programming and Software Development	Information Support and Service	Network Systems	Web and Digital Communications
<ul style="list-style-type: none"> Computer Programmer Computer Software Engineer Data Modeler Game Programmer Tester 	<ul style="list-style-type: none"> Computer and Information Systems Manager Computer Support Specialist Customer Liaison Database Administrator Help Desk Specialist Information Systems Architect Technical Writer 	<ul style="list-style-type: none"> Computer Systems Analyst Data Communications Analyst Information Systems Operator Information Technology Engineer Network Architect Network Systems Analyst PC Support Specialist Telecommunications Network Technician 	<ul style="list-style-type: none"> 3-D Animator Audio/Visual Engineer Streaming Media Specialist Web Designer Webmaster

For more information regarding careers and post-secondary options visit
www.missouriconnections.org

<b style="font-size: 2em;">RPHS Career Paths & Cluster	<h1 style="margin: 0;">Business, Management, & Technology</h1> <h2 style="margin: 0;">Marketing, Sales, and Service</h2>
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**Students must meet Raymore-Peculiar graduation requirements.
 These courses are suggested for students interested in this career area.**

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math, or IB Math Studies	College bound students should choose a 4th unit of math.
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry, or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class		
	Fine Arts	One unit fine art is required			
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college			
	Practical Arts	One unit required that includes ½ unit of Personal Finance			
Suggested Electives	Any modern language course, Dual Credit Fundamentals of Speech, Competitive Debate, Advanced Competitive Debate, Advanced Math Topics, Business Essentials, Personal Finance, Dual Credit Finance, Banking & Finance, Accounting I, Dual Credit Accounting II, Accounting III, IB Business Management, Marketing I, Marketing II, Entrepreneurship, Sports & Entertainment Marketing, Fundamentals of Fashion and Interior Design, Fashion Design and Construction, Interior Design, Advanced Fashion, Advanced Interior Design, IB Social and Cultural Anthropology, Programs at Summit Tech Academy				

Recommended Youth Activities: Class fundraisers, Concessions Management, Association of Marketing Students (DECA), Future Business Leaders of America (FBLA), Join a committee to plan an event, School newspaper/yearbook, Student Government, Develop community web site, Job shadow professionals, Participate in youth leadership programs, Start a business, Visit the Chamber of Commerce, Volunteer in the community

Post-Secondary Options	Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.
	www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov
	If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites: www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard) www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard)

**Career Possibilities in
Marketing, Sales & Service**

Marketing Research	Marketing Communications	Marketing Management	Professional Sales	Merchandising
<ul style="list-style-type: none"> • Customer Service Representative • Interviewer • Market Research Analyst • Product Planner 	<ul style="list-style-type: none"> • Media Buyer • Public Information Director • Public Relations Manager • Public Relations Specialist • Research Specialist 	<ul style="list-style-type: none"> • Advertising and Promotions Manager • Distributor • Entrepreneur • Franchisee • Marketing Manager • Small Business Owner 	<ul style="list-style-type: none"> • Field Representative • Real Estate Sales Agent • Retail Salesperson • Sales Engineer • Sales Manager • Sales Representative • Territory Representative 	<ul style="list-style-type: none"> • Merchandise Buyer • Purchasing Agent • Purchasing Manager • Retail Marketing Coordinator

**For more information regarding careers and post-secondary options visit
www.missouriconnections.org**

RPHS Career Paths & Cluster	Health Services Health Science
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Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12	
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English	
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II, or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.	
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry, or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.	
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.	
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class			
	Fine Arts	One unit fine art is required				
	Modern Language	Two units same language are recommended/required for students attending a 4-year college				
	Practical Arts	One unit required that includes ½ unit of Personal Finance				
	Suggested Electives	Any modern language course, Dual Credit Fundamentals of Speech, Principles of Biomedical Science, AP Biology, Anatomy & Physiology, Chemistry, AP Chemistry, First Aid, Athletic & Adv. Athletic Training, Psychology, Culinary Essentials, Intro to Careers in Human Services, Child Development, Advanced Child Development, Working with Young Children Internship, courses at Cass Career Center, courses at Summit Tech Academy.				
Recommended Youth Activities: Athletics, SkillsUSA, Family, Career and Community Leaders of America (FCCLA), Science Olympiad, Robotics, Take First Aid Courses, Volunteer at Hospital/Nursing Home, Health Science Camps, Volunteer with Red Cross, Certified CPR Classes, EMT Certification, Career Fairs at Hospitals and Schools, Health Fairs, CNA Certification, Job Shadowing, Co-operative Education, ACES PRIMO						
Post-Secondary Options	Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.					
	www.missouriconnections.org		www.collegeboard.com		www.dhe.mo.gov	
	If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:					
	www.army.mil (Army)	www.navy.mil (Navy)	www.ng.mil (National Guard)			
	www.marines.mil (Marines)	www.af.mil (Air Force)	www.uscg.mil (Coast Guard)			
Career Possibilities in Health Science						
Biotech. Research & Development	Diagnostic Services	Health Informatics	Support Services	Therapeutic Services		
<ul style="list-style-type: none"> • Biological Technician • Clinical Trials Research Coordinator • Epidemiologist • Geneticist • Lab Technician • Medical Scientist • Microbiologist • Research Assistant • Toxicologist 	<ul style="list-style-type: none"> • Cardiology Technologist • Diagnostic Medical Sonographer • Medical Lab Technologist • Nuclear Medicine Technologist • Radiologic Technologist 	<ul style="list-style-type: none"> • Health Care Administrator • Health Educator • Medical and Health Services Manager • Medical Records and Health Information Technician • Medical Social Worker • Medical Transcriptionist • Public Health Social Worker 	<ul style="list-style-type: none"> • Biomedical Engineer • Environmental Services • Facilities Manager • Food Service • Hospital Maintenance Engineer • Industrial Hygienist • Medical Assistant • Medical Equipment Repairer • Pharmacy Aide 	<ul style="list-style-type: none"> • Anesthesiologist • Athletic Trainer • Chiropractor • Dental Hygienist • Dentist • Dietitian or Nutritionist • Home Health Aide • Occupational Therapist • Optometrist • Paramedic • Pharmacist • Physical Therapist 	<ul style="list-style-type: none"> • Physician Asst. • Radiation Therapist • Registered Nurse • Rehabilitation Counselor • Respiratory Therapist • Speech-Language Pathologist • Surgical Technologist 	

For more information regarding careers and post-secondary options visit
www.missouriconnections.org

<h1 style="margin: 0;">RPHS</h1> <p style="margin: 0;">Career Paths & Cluster</p>	<h2 style="margin: 0;">Human Services</h2> <h3 style="margin: 0;">Education and Training</h3>
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**Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.**

	Subject	Grade 9	Grade 10	Grade 11	Grade 12
High School Courses	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II, or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry, or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class		
	Fine Arts	One unit fine art is required			
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college			
	Practical Arts	One unit required that includes ½ unit of Personal Finance			
	Suggested Electives	Any modern language course, Dual Credit Fundamentals of Speech, Competitive Debate, Adv. Competitive Debate, Intro to Competitive Theater, Psychology, Sociology, Cadet Teaching, Tutoring & Mentoring, Intro to Careers in Human Services, Child Development, Advanced Child Development, Working with Young Children Internship, IB Social and Cultural Anthropology, courses at Summit Tech Academy.			

Recommended Youth Activities: Family, Career and Community Leaders of America (FCCLA), Athletics, Career fairs, Peer mediation, Serve as mentor or tutor, Student Council, other organizations that provide an opportunity to gain leadership and management skills, 4-H, Coach little league sports, Library volunteer aide, Member of scouting organizations, Provide child care, Volunteer in agencies that have an educational emphasis, Teach religious classes, Job shadowing, Co-operative education, Ambassador program

Post-Secondary Options	<p>Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p>www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov</p> <p>If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p>www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard)</p> <p>www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard)</p>
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Career Possibilities in Education and Training		
Administration & Administrative Support	Professional Support Services	Teaching and Training
<ul style="list-style-type: none"> • College President • College Dean • Curriculum Developer • Education Administrator • Instructional Media Designer • Librarian • Principal • Superintendent 	<ul style="list-style-type: none"> • Audiologist • Counselor • Parent Educator • Psychologist • Social Worker • Speech-Language Pathologist 	<ul style="list-style-type: none"> • Career Education Teacher • Coach • College Professor • Elementary Teacher • High School Teacher • Human Resource Trainer • Kindergarten Teacher • Middle School Teacher • Preschool Teacher • Preschool Aide

For more information regarding careers and post-secondary options visit
www.missouriconnections.org

<h1 style="margin: 0;">RPHS</h1> <p style="margin: 0;">Career Paths & Cluster</p>	<h2 style="margin: 0;">Human Services</h2> <h3 style="margin: 0;">Government and Public Administration</h3>
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**Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.**

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II, or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.
	Physical Education & Health	½ unit Physical Education ½ unit Health ½ unit 9 th Weights	½ unit elective PE class		
	Fine Arts	One unit fine art is required			
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college			
	Practical Arts	One unit required that includes ½ unit of Personal Finance			
	Suggested Electives	Any modern language course, Dual Credit Fundamentals of Speech, Competitive Debate, Adv. Competitive Debate, Intro to Competitive Theater, Advanced Math Topics, Business Essentials, Psychology, Sociology, Dual Credit Personal Finance, Accounting I, Dual Credit Accounting II, Accounting III, Modern Critical Issues, Law Enforcement, IB Social and Cultural Anthropology, courses at Summit Tech Academy.			

Recommended Youth Activities: Student Council, Other Student Organizations with Leadership Focus, Attend Local Government Meetings, Boys & Girls State, County Government Day, Do Community Service in Occupations in this Cluster, Election Volunteer, Leadership Development Programs, Talk with and Job Shadow People Employed in this Cluster, Scouting, Job Shadowing, Co-operative Education, Ambassador Program

Post-Secondary Options	<p>Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p>www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov</p> <p>If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p>www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard)</p> <p>www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard)</p>
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Career Possibilities in Government and Public Administration			
Governance	Revenue & Taxation	Planning	Foreign Service Affairs
- Asst., Deputy or Chief of Staff - Legislator - Legislative Aide - Lobbyist - Public Advisor	- Assessor - Internal Revenue Investigator - Revenue Agent - Tax Attorney - Tax Examiner	- Census Clerk - Chief of Vital Statistics - County Clerk - Economic Development Coordinator - Global Imaging Systems Specialist - Political Scientist	- Ambassador - Administrative Foreign Service Officer - Consular Officer - Diplomatic Courier - Economic Foreign Service Officer - Political Foreign Service Officer
Regulation	Public Mgmt. & Admin.		National Security
- Aviation Safety Officer - Bank Examiner - Cargo Inspector - Code Inspector - Court, Municipal and License Clerk - Election Supervisor - Immigration Officer - Postal Service Mail Carrier	- Archeologist - Archivist - City Manager - Court Administrator - Curator - Executive Director of an Association, Foundation, or Chamber of Commerce - Program Administration Officer		- Air Defense Artillery - Combat Engineer or Aircraft Pilot - Cryptographer - Electronic Warfare Operations - Infantry Field Artillery - Intelligence/Counter-intelligence Agent - Missile and Space Systems - Special Forces

**For more information regarding careers and post-secondary options visit
www.missouriconnections.org**

RPHSCareer Paths
& Cluster**Human Services**
Hospitality and Tourism

Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class		
	Fine Arts	One unit fine art is required			
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college			
	Practical Arts	One unit required that includes ½ unit of Personal Finance			
Suggested Electives	Any modern language course, Dual Credit Fundamentals of Speech, Competitive Debate, Adv. Competitive Debate, Advanced Math Topics, Business Essentials, Psychology, Sociology, Dual Credit Personal Finance, Accounting I, Dual Credit Accounting II, Accounting III, Design & Construction, Home Maintenance & Repair I & II, Culinary Essentials, International Foods, Prostart I & II, The Den, Fundamentals of Fashion and Interior Design, Fashion Design and Construction, Interior Design, Advanced Fashion, Advanced Interior Design, IB Social and Cultural Anthropology, Entrepreneurship, Marketing I & II, courses at Summit Tech Academy.				
Recommended Youth Activities: Association of Marketing Students (DECA), Family, Career and Community Leaders of America (FCCLA), Future Business Leaders of America (FBLA), Join a committee to plan an event, Join a world language or cultural club, 4-H, Interview and/or job shadow professionals, Participate in internships, Participate in local cultural activities, Secure part-time employment, Volunteer in the community, Ambassador Program					
Post-Secondary Options	<p>Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p style="text-align: center;">www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov</p> <p style="text-align: center;">If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p style="text-align: center;">www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard)</p> <p style="text-align: center;">www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard)</p>				
Career Possibilities in Hospitality and Tourism					
Restaurants and Food & Beverage Services		Recreation, Amusement & Attractions		Travel and Tourism	
<ul style="list-style-type: none"> • Baker • Chef • Counter Service • First Line Supervisor • Food and Beverage Manager • General Manager • Manager of Food Preparation and Serving Workers 		<ul style="list-style-type: none"> • Conservator • Equipment and Facility Maintenance • Event Planner • Gaming Manager • Museum Technician • Museum, Zoo or Aquarium Exhibit Developer • Parks and Garden Ranger • Recreation Worker 		<ul style="list-style-type: none"> • Director of Sales and Marketing • Event Planner • Interpreter • Tour Guide • Transportation Specialist • Travel Agent 	
				Lodging	
				<ul style="list-style-type: none"> • Laundry Attendant • Lodging Manager • PBX Operator • Reservations Supervisor • Valet Attendant 	

For more information regarding careers and post-secondary options visit
www.missouriconnections.org

RPHS Career Paths & Cluster	Human Services Human Services
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**Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.**

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math, or IB Math Studies	College bound students should choose a 4th unit of math.
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government or AP US Government & Politics	College bound students should choose a 4th unit of social studies.
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class		
	Fine Arts	One unit fine art is required			
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college			
	Practical Arts	One unit required that includes ½ unit of Personal Finance			
	Suggested Electives	Any modern language course, Dual Credit Fundamentals of Speech, Competitive Debate, Adv. Competitive Debate, Advanced Math Topics, Business Essentials, Psychology, Sociology, Parenting, Intro to Careers in Human Services, Child Development, Advanced Child Development, Working with Young Children Internship, Cadet Teaching, Tutoring & Mentoring, Culinary Essentials, International Foods, First Aid, Entrepreneurship, Marketing I & II, courses at Summit Tech Academy.			

Recommended Youth Activities: Family, Career and Community Leaders of America (FCCLA), Alternative Impact, Peer Mediation, Serve as Mentor or Tutor, Work with organizations that have a strong community service component, Scouting organizations, 4-H, Teach religious classes, Volunteer in soup kitchens or food pantries or agencies who serve people, Work with individuals who are aged or disabled, Ambassador Program

Post-Secondary Options	Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.
	www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites: www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard) www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard)

Career Possibilities in Human Services

Early Childhood Development & Services	Counseling and Mental Health Services	Family and Community Services	Personal Care Services	Consumer Services
<ul style="list-style-type: none"> • Childcare Facility Director • Childcare Worker • Nanny • Parent Educator • Preschool Teacher • Teacher Aide 	<ul style="list-style-type: none"> • Marriage and Family Therapist • Mental Health Counselor • Substance Abuse Social Worker • Vocational Rehabilitation Counselor 	<ul style="list-style-type: none"> • Child, Family and School Social Worker • Clergy • Community Housing Service Worker • Geriatric Service worker • Social and Human Services Assistant • Sociologist • Vocational Rehabilitation Service Worker 	<ul style="list-style-type: none"> • Fitness Trainer • Funeral Director • Hairdresser, Hair Stylist, Cosmetologist • Massage Therapist • Skin Care Specialist 	<ul style="list-style-type: none"> • Consumer Advocate • Customer Service Representative • Insurance Representative • Investment Broker • Personal Financial Advisor

**For more information regarding careers and post-secondary options visit
www.missouriconnections.org**

<h1 style="margin: 0;">RPHS</h1> <p style="margin: 0;">Career Paths & Cluster</p>	<h2 style="margin: 0;">Human Services</h2> <h3 style="margin: 0;">Law, Public Safety, Corrections, and Security</h3>
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**Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.**

	Subject	Grade 9	Grade 10	Grade 11	Grade 12	
High School Courses	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English	
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.	
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry, or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.	
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.	
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class			
	Fine Arts	One unit fine art is required				
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college				
	Practical Arts	One unit required that includes ½ unit of Personal Finance				
	Suggested Electives	Any modern language course, Dual Credit Fundamentals of Speech, Competitive Debate, Adv. Competitive Debate, Intro to Competitive Theater, Statistics, Advanced Math Topics, Business Essentials, Psychology, Sociology, Intro to Careers in Human Services, Child Development, Advanced Child Development, First Aid, courses at Cass Career Center, courses at Summit Tech Academy.				

Recommended Youth Activities: Develop web pages , Future Business Leaders of America (FBLA), Prepare school multimedia/video projects, School newspaper staff, SkillsUSA, Yearbook staff, Robotics, 4-H, Become Certified in CPR & First Aid, Do community service in occupations in this cluster, Scouting organizations, Talk with and job shadow people employed in this cluster, Volunteer at crisis centers or emergency shelters, Co-operative education, Peer Mediators

Post-Secondary Options	<p>Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p style="text-align: center;"> www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov </p> <p style="text-align: center;">If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p style="text-align: center;"> www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard) www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard) </p>
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**Career Possibilities in
Law, Public Safety, Corrections and Security**

Emergency and Fire Management Services	Security and Protective Services	Law Enforcement Services	Correction Services	Legal Services
<ul style="list-style-type: none"> • Dispatcher • Emergency Medical Technician/ Paramedic • Emergency Management and Response Coordinator • Firefighter • Forest Firefighter • Hazardous Materials Responder 	<ul style="list-style-type: none"> • Computer Security Specialist • Forensic Science Technician • Gaming Surveillance Officer/Investigator • Industrial Espionage Security • Loss Prevention Assistant • Security and Fire Alarm Systems Installer • Security Guard 	<ul style="list-style-type: none"> • Animal Control Officer • Bomb Technician • Child support • Criminal Investigator • Federal Marshall • Park Ranger • Police and Patrol Officer 	<ul style="list-style-type: none"> • Case Manager • Corrections Officer • Probation and Parole Officer • Transport Officer • Youth Services Worker 	<ul style="list-style-type: none"> • Arbitrator • Attorney • Court, Municipal and License Clerk • Judge • Law Clerk • Mediator • Paralegal and Legal Assistant

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www.missouriconnections.org**

<b style="font-size: 2em;">RPHS Career Paths & Cluster	<h1 style="margin: 0;">Industrial & Engineering Technology</h1> <h2 style="margin: 0;">Architecture and Construction</h2>
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**Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.**

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English
	Math (3 units)	Algebra I, Geometry or Adv. Geometry	Geometry, Adv. Geometry Algebra II, or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry, or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class		
	Fine Arts	One unit fine art is required			
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college			
	Practical Arts	One unit required that includes ½ unit of Personal Finance			
	Suggested Electives	Dual Credit Fundamentals of Speech, Physics, Trigonometry, Analytic Geometry, Calculus, CAD I, II, III, Materials and Processes I and II, Introduction to Engineering Design, Principles of Engineering, Technical Theatre Production, Home Maintenance and Repair I and II, Fundamentals of Fashion and Interior Design, Fashion Design and Construction, Interior Design, Advanced Fashion, Advanced Interior Design, Computer Integrated Manufacturing, courses at Cass Career Center, courses at Summit Tech Academy.			
Recommended Youth Activities: SkillsUSA, Robotics, Connect with Architects in your area, Do home repair projects, Learn about the history of the buildings in your community, Work with contractor, Co-operative Education, Explorer's Post, TSA					
Post-Secondary Options	<p style="text-align: center;">Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p style="text-align: center;"> www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov </p> <p style="text-align: center;">If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p style="text-align: center;"> www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard) </p> <p style="text-align: center;"> www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard) </p>				
Career Possibilities in Architecture and Construction					
Design and Pre-Construction		Construction		Maintenance and Operations	
<ul style="list-style-type: none"> • Architect • Architectural Drafter • Cartographer • Cost Estimator • Landscape Architect • Mechanical Engineer • Surveyor 		<ul style="list-style-type: none"> • Brickmason • Carpenter • Construction Laborer • Construction Manager • Electrician • Glazier • Hazardous Materials Removal Worker • Painter • Paper Hanger • Plumber, Pipefitter, Steamfitter • Roofer • Welder, Cutter, Solderer and Brazier 		<ul style="list-style-type: none"> • Heating, Air Conditioning and Refrigeration Mechanic / Installer • Highway Worker • Millwright • Operating Engineer • Telecommunications Line Installer and Repairer 	

For more information regarding careers and post-secondary options visit
www.missouriconnections.org

<h1 style="margin: 0;">RPHS</h1> <p style="margin: 0;">Career Paths & Cluster</p>	<h2 style="margin: 0;">Industrial & Engineering Technology</h2> <h3 style="margin: 0;">Manufacturing</h3>
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**Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.**

	Subject	Grade 9	Grade 10	Grade 11	Grade 12	
High School Courses	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English	
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.	
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry, IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.	
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.	
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class			
	Fine Arts	One unit fine art is required				
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college				
	Practical Arts	One unit required that includes ½ unit of Personal Finance				
	Suggested Electives	Dual Credit Fundamentals of Speech, CAD I, II, III, Materials and Processes I and II, Introduction to Engineering Design, Principles of Engineering, Technical Theatre Production, Home Maintenance and Repair I and II, Tech & Engineering I, II, III, Design & Construction, Intro to Computer Programming, Visual Basic Programming, Java Programming I and II, Mobile Application Development, Dual Credit Computer Concepts and Applications, Computer Integrated Manufacturing, courses at Cass Career Center, courses at Summit Tech Academy.				

Recommended Youth Activities: SkillsUSA, Robotics, Connect with manufacturing professionals, Learn about the history of the buildings in your community, Learn to repair machinery, Learn to use the latest tools for home repair, Tour a factory, Job Shadowing, Co-operative Education, TSA

Post-Secondary Options	<p>Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p>www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov</p> <p>If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p>www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard)</p> <p>www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard)</p>
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Career Possibilities in Manufacturing		
Quality Assurance	Health, Safety & Environmental Assurance	Logistics and Inventory Control
<ul style="list-style-type: none"> - Calibration Technician - Inspector - Lab Technician - Process Control Technician - Quality Control Technician 	<ul style="list-style-type: none"> - Environmental Specialist - Health and Safety Engineer - Occupational Health and Safety Specialist - Operations Research Analyst 	<ul style="list-style-type: none"> - Dispatcher - Freight, Stock and Material Mover - Logistician - Material Handler - Quality Control Technician - Traffic, Shipping and Receiving Clerk
Production	Manufacturing Production Process Development	Maintenance, Installation & Repair
<ul style="list-style-type: none"> - Assembler - Industrial Production Manager - Machine Operator - Machinist - Manager or Supervisor - Model Maker - Power Distributor and Dispatcher - Tool and Die Maker - Welder 	<ul style="list-style-type: none"> - Design Engineer - Electronics Engineer - Engineering Technician - Labor Relations Manager - Precision Inspector - Purchasing Agent - Supervisor 	<ul style="list-style-type: none"> - Boilermaker - Computer Installer or Repairer - Electronic Motor Repairer - Instrument Calibration and Repairer - Laser System Technician - Major Appliance Repairer - Manager of Mechanics, Installers and Repairers - Plumber

For more information regarding careers and post-secondary options visit
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RPHS Career Paths & Cluster	<h1 style="margin: 0;">Industrial & Engineering Technology</h1> <h2 style="margin: 0;">Science, Technology, Engineering and Mathematics</h2>
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**Students must meet Raymore-Peculiar graduation requirements.
 These courses are suggested for students interested in this career area.**

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math, or IB Math Studies	College bound students should choose a 4th unit of math.
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class		
	Fine Arts	One unit fine art is required			
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college			
	Practical Arts	One unit required that includes ½ unit of Personal Finance			
	Suggested Electives	Dual Credit Fundamentals of Speech, College Algebra, DC College Algebra, Trigonometry, Analytic Geometry, Calculus, Physics, Chemistry, CAD I, II, III, Materials and Processes I and II, Introduction to Engineering Design, Principles of Engineering, Computer Integrated Manufacturing, Technical Theatre Production, Home Maintenance and Repair I and II, Tech & Engineering I, II, III, Design & Construction, Intro to Computer Programming, Visual Basic Programming, Java Programming I and II, Mobile Application Development, Dual Credit Computer Concepts and Applications, courses at Cass Career Center, courses at Summit Tech Academy.			
Recommended Youth Activities: SkillsUSA, Robotics, Discover Engineering Day, Science Olympiads, Explorer's Post, Science Fairs, Participate in programs and activities provided by colleges and universities, Job Shadowing, Co-operative Education, TSA					
Post-Secondary Options	Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.				
	www.missouriconnections.org		www.collegeboard.com		www.dhe.mo.gov
	If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:				
www.army.mil (Army)		www.navy.mil (Navy)		www.ng.mil (National Guard)	
www.marines.mil (Marines)		www.af.mil (Air Force)		www.uscg.mil (Coast Guard)	
Career Possibilities in Science, Technology, Engineering and Mathematics					
Engineering and Technology			Science and Math		
<ul style="list-style-type: none"> • Chemical Engineer • Civil Engineer • Electrical Engineer • Electro-Mechanical Technician • Engineering Manager • Environmental Engineer • Hazardous Waste Technician • Industrial Engineer 			<ul style="list-style-type: none"> • Materials Engineer • Mechanical Engineer • Mining Engineer • Nuclear Engineer • Nuclear Technician • Power Systems Engineer • Quality Technician • Technical Writer 		
<ul style="list-style-type: none"> • Atmospheric Scientist • Biochemist • CAD Operator • Chemist • Conservation Scientist • Demographer • Economist • Environmental Scientist 			<ul style="list-style-type: none"> • Geological and Petroleum Technician • Geologist • Lab Technician • Math Teacher • Research Technician • Science Teacher • Zoologist 		

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<h1 style="margin: 0;">RPHS</h1> <p style="margin: 0;">Career Paths & Cluster</p>	<h2 style="margin: 0;">Industrial & Engineering Technology</h2> <h3 style="margin: 0;">Transportation, Distribution, and Logistics</h3>
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**Students must meet Raymore-Peculiar graduation requirements.
These courses are suggested for students interested in this career area.**

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English
	Math (3 units)	Algebra I, Geometry or Advanced Geometry	Geometry, Adv. Geometry Algebra II or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry, or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class		
	Fine Arts	One unit fine art is required			
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college			
	Practical Arts	One unit required that includes ½ unit of Personal Finance			
	Suggested Electives	Dual Credit Fundamentals of Speech, College Algebra, DC College Algebra, Trigonometry, Analytic Geometry, Calculus, Physics, Math Topics, Statistics, Chemistry, CAD I, II, III, Materials and Processes I and II, First Aid, Home Maintenance and Repair I and II, Tech & Engineering I, II, III, Design & Construction, and II, courses at Cass Career Center, courses at Summit Tech Academy.			
Recommended Youth Activities: SkillsUSA, Association of Marketing Students (DECA), Robotics, Learn to drive a tractor or truck to do farm work, Learn automotive repair and maintenance, Read automotive and mechanical magazines, Take Drivers Education, Learn to operate a forklift, Job Shadowing, Co-operative Education, TSA					
Post-Secondary Options	<p style="text-align: center;">Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p style="text-align: center;"> www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov </p> <p style="text-align: center;">If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p style="text-align: center;"> www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard) </p> <p style="text-align: center;"> www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard) </p>				
Career Possibilities in Transportation, Distribution, and Logistics					
Logistics Planning & Mgmt Systems		Transportation Operations		Transportation Systems & Infrastructure	
<ul style="list-style-type: none"> - International Logistics - Logistician - Logistics Analyst - Logistics Engineer 		<ul style="list-style-type: none"> - Airline Pilot - Delivery Truck Driver - Transportation, Storage and Distribution - Manager - Tractor-Trailer Truck Driver 		<ul style="list-style-type: none"> - Air Traffic Controller - Civil Engineer - Motor Vehicle Inspector - Regulator - Surveying and Mapping Technician - Urban Planner 	
Health, Safety and Envir. Mgmt.		Warehousing and Distribution Center Operations		Facility and Mobile Equipment Maintenance	
<ul style="list-style-type: none"> - Hazardous Materials Removal Worker - Industrial Health and Safety Engineer - Environmental Compliance Inspector - Environmental Science and Protection Technician - Safety Analyst 		<ul style="list-style-type: none"> - Freight, Stock and Material Mover - Industrial and Packing Engineer - Laborer - Shipping, Receiving and Traffic Clerk - Stock Clerk - Warehouse Manager 		<ul style="list-style-type: none"> - Aircraft Mechanic - Automotive Service Technician/Mechanic - Automotive Body Repairer - Bus and Truck Mechanic and Diesel Specialist - Electrical and Electronics Repairer - Mobile Heavy Equipment Mechanic - Painter 	

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<b style="font-size: 2em;">RPHS Career Paths & Cluster	<h1 style="margin: 0;">Natural Resources</h1> <h2 style="margin: 0;">Agriculture, Food & Natural Resources</h2>
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**Students must meet Raymore-Peculiar graduation requirements.
 These courses are suggested for students interested in this career area.**

High School Courses	Subject	Grade 9	Grade 10	Grade 11	Grade 12	
	English (4 units)	English I or Advanced English I	English II or Advanced English II	English III, AP English Language & Composition, or IB English	English IV, English 101/102, AP English Literature, or IB English	
	Math (3 units)	Algebra I, Geometry or Adv. Geometry	Geometry, Adv. Geometry, Algebra II, or Adv. Algebra II	Algebra II, Adv. Algebra II, Trig., Analytic Geometry, College Algebra, DC College Algebra, Adv. Math Topics, IB Math or IB Math Studies	College bound students should choose a 4th unit of math.	
	Science (3 units)	Environmental Science, Biology, or Adv. Biology	Biology, Adv. Biology, Physical Science, or Chemistry	Physical Science, Chemistry, Physics, AP Biology, Human Anatomy & Physiology, IB Biology, IB Chemistry or IB Environ. Systems & Societies	College bound students should choose a 4th unit of science.	
	Social Studies (3 units)	American History or Adv. American History	World History or AP World History	American Government, AP US Government & Politics, or IB History of the Americas	College bound students should choose a 4th unit of social studies.	
	Physical Education & Health	½ unit Physical Ed. ½ unit Health ½ unit 9 th Weights	½ unit elective PE class			
	Fine Arts	One unit fine art is required				
	Modern Language	Two units of the same language are recommended/required for students attending a 4-year college				
	Practical Arts	One unit required that includes ½ unit of Personal Finance				
	Suggested Electives	Dual Credit Fundamentals of Speech, Chemistry, Foods and Nutrition, Materials and Processes I and II, First Aid, CAD I, II, and III, Tech & Engineering I, II, III, Design & Construction, and II, Botany, Field Biology, Genetics, Historical Geology, Atmospheric Science, Astronomy, courses at Cass Career Center, courses at Summit Tech Academy.				
Recommended Youth Activities: FFA , Grow your own garden and sell produce at farmers market, Recycle, Tour an agribusiness, Work on a farm during the summer, Create your own agribusiness, Shadow a veterinarian, Volunteer at a local animal shelter, Job Shadowing, Co-operative Education						
Post-Secondary Options	<p style="text-align: center;">Please visit these sites for up to date lists of Technical Schools, Community Colleges, and 4-year Colleges & Universities with degree programs in this field.</p> <p style="text-align: center;"> www.missouriconnections.org www.collegeboard.com www.dhe.mo.gov </p> <p style="text-align: center;">If interested in pursuing a career involving this cluster in the U.S. military please refer to the following websites:</p> <p style="text-align: center;"> www.army.mil (Army) www.navy.mil (Navy) www.ng.mil (National Guard) </p> <p style="text-align: center;"> www.marines.mil (Marines) www.af.mil (Air Force) www.uscg.mil (Coast Guard) </p>					
Career Possibilities in Agriculture, Food and Natural Resources						
Animal Systems	Agribusiness Systems	Plant Systems	Food Products & Processing Systems	Power Structural & Technical Systems	Nat. Resources & Env. Service Systems	
<ul style="list-style-type: none"> • Animal (Breeder, Geneticist, Nutritionist, Scientist, Trainer) • Aquaculturist • Farmer or Rancher • Veterinarian • Zoologist 	<ul style="list-style-type: none"> • Agricultural Commodity Broker • Agricultural Economist • Agricultural Loan Officer • Agricultural Products Buyer • International Agri-Marketing Specialist 	<ul style="list-style-type: none"> • Aquaculturist • Botanist • Farmer/Rancher • Forester • Landscaping Manager • Plant Breeder and Geneticist • Soil and Water Specialist • Tree Surgeon 	<ul style="list-style-type: none"> • Agriculture & Food Science Technician • Agricultural Inspector • Bacteriologist • Biochemist • Food and Drug Inspector • Food and Fiber Engineer • Meat, Poultry, Fish Cutter and Trimmer • Microbiologist 	<ul style="list-style-type: none"> • Agricultural Technologist • Biochemistry Technologist • Equipment Parts Manager • Farm Equipment Mechanic • Global Positioning System Technician • Remote Sensing Specialist 	<ul style="list-style-type: none"> • Atmospheric/Space Scientist • Chemical Technician • Conservation Scientist • Fisheries Manager • Geographer • Hazardous Materials Handler • Meteorologist • Pollution Prevention and Control Manager 	

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COMMUNICATION ARTS

The mission of the Communication Arts Department is to encourage students to read widely and in depth, write frequently in many formats, study important writings from many disciplines, and relate these studies meaningfully to their own lives. We promote the rationale behind the four language strands: speaking, listening, writing and reading.

All students must pass English I or Advanced English I, English II or Advanced English II, English III or AP English: Language & Composition and earn a fourth English credit.

FRESHMAN: English I or Advanced English I
SOPHOMORE: English II or Advanced English II

JUNIOR: English III or AP English Language & Composition or IB English HL 1

SENIOR: English IV, AP Literature and Composition, English 110 & 214 or IB English HL 2

H3002 ENGLISH I

Year 1 Unit

Grade Level: 9

English I will focus on literature and writing skills. The study of literature will include short stories, novels, drama, nonfiction, and poetry.

H3012 ADVANCED ENGLISH I

Year 1 Unit

Grade Level: 9

This course is a scaffolding course into Advanced Placement Language and Composition/IB English. This course will cover some of the same units as English I, as well as additional units, but faster paced and more in-depth. More time will be spent interpreting literature. Special research projects may also be required.

H3022 ENGLISH II

Year 1 Unit

Grade Level: 10

Prerequisite: Successful completion of English I by semester

Sophomores will explore the writing process and compose various descriptive, narrative, argumentative and research writing projects. Students will expand their vocabulary skills as they read short stories, poetry, drama and novels. A selection of books will be provided for required outside reading.

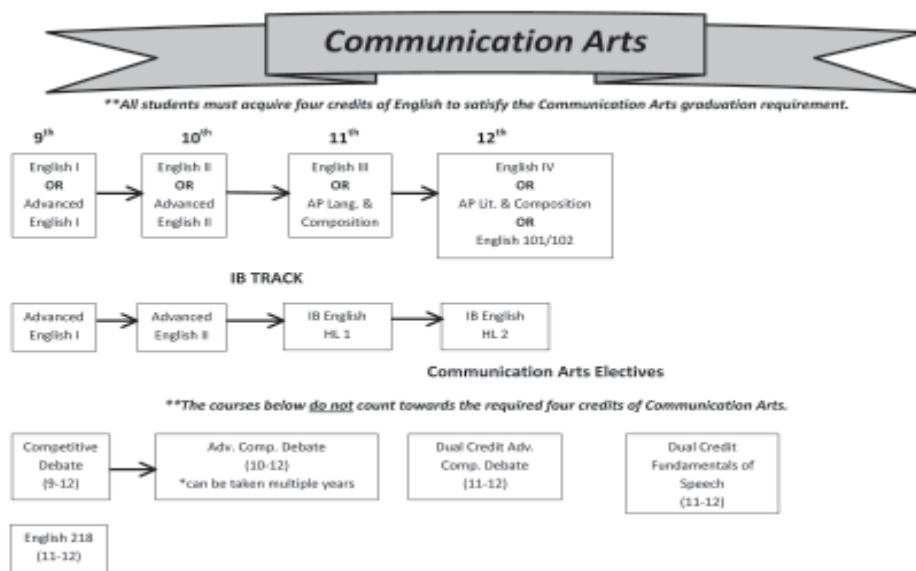
H3032 ADVANCED ENGLISH II

Year 1 Unit

Grade Level: 10

Prerequisite: Successful completion of Advanced English I, or English I- strong writing and reading skills necessary

This course is a scaffolding course into Advanced Placement Language and Composition/IB English. Students will cover some material similar to the English II curriculum. However, in addition to reading short stories, the advanced course will also focus on more in-depth study of writing and literature. In



addition, students will be required to read complex novels outside of class.

H3071 ENGLISH III

Year 1 Unit

Grade Level: 11

Prerequisite: Successful completion of English II by semester

Students will study American literature to sharpen literacy skills. Juniors will expand their knowledge of the writing process through technical and academic writing. A list of literary works will be provided so students may sharpen their writing and vocabulary skills during required outside reading. Students will be required to prepare project proposals for their Senior Drive Project.

HN3145 ADVANCED PLACEMENT ENGLISH: LANGUAGE & COMPOSITION

Year 1 Unit

Grade Level: 11 Weighted

The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. Writing will be graded at the college level and there will be extensive outside reading assignments required for this

class. Summer Assignment is required. To receive weighted credit, a student must take the AP test in the spring.

H30625 ENGLISH IV

Year 1 Unit

Grade Levels: 12

Students will analyze literature and informational text throughout the year. There will be mini writings within each unit that lead to an expanded unit essay. Each semester will include an extensive research component. All components of the Senior Drive Project are required.

HN3143 ADVANCED PLACEMENT ENGLISH: LITERATURE AND COMPOSITION

Year 1 Unit

Grade Levels: 12 Weighted

The AP English Literature and Composition course engages students in the careful reading and critical analysis of works of literary merit. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as other narrative techniques. Writing will be graded using the AP 9-point scale and there will be extensive outside reading assignments required for this class. Summer assignment is required. To receive weighted credit, a student must take the AP test in the spring.

HN3191 COMPOSITION AND

READING 101

Semester 1/2 Unit
Grade Levels: 12 Weighted, 3
Hours of College Credit

Prerequisite: To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

This is a reading and writing intensive course offered during the fall semester. Three hours of college credit may be earned through MCC; tuition must be paid to MCC in order to receive college credit. This course focuses on critical thinking, reading and analysis of written texts, and the analysis and synthesis of ideas. These ideas produce the foundation for students' essays. Three hours of college credit may be earned through MCC; tuition must be paid to MCC in order to receive college credit.

HN31120 COMPOSITION AND READING 102

Semester 1/2 Unit
Grade Levels: 12 Weighted, 3
Hours of College Credit

Prerequisite: To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

This course asks students to analyze and evaluate persuasive essays for the writer's use of logical thinking. Students will develop research skills for the purpose of creating documented essays that reflect critical thinking and logical argument. Three hours of college credit may be earned through MCC; tuition must be paid to MCC in order to receive college credit.

IB ENGLISH COURSES**HI 2001 IB ENGLISH HL 1**

Year 1 Unit
Grade Level: 11 Weighted

Prerequisite: Advanced English I and Advanced English II are strongly recommended

HI 20012 IB ENGLISH HL 2

Year 1 Unit
Grade Level: 12 Weighted

Prerequisite: Successful Completion of IB English HL 1

This course is designed to sharpen students' language, critical thinking, and literary analysis skills using literary works from a variety of countries. Students will independently analyze literature through both written and oral communication, draw connections among literary works, and develop an appreciation of both similarities and differences among these works and their authors. Students also will learn how to structure ideas and arguments in a logical, sustained, and persuasive manner. Students who take the HL2 course must

take the IB exam in the Spring of their senior year.

ENGLISH ELECTIVES**HN3113 INTRODUCTION TO LITERATURE 218**

Semester 1/2 Unit
Grade Levels: 1 1 - 1 2
Weighted, 3 Hours of College Credit

Prerequisite: To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

This course is designed to provide an in-depth study of the elements of fiction. Students will be exposed to quality literature and challenged to think deeply about universal messages. Students will analyze text elements by writing in-class responses and formal critical analysis essays as well as participating in Socratic Seminars. Three hours of college credit may be earned through UMKC; tuition must be paid to UMKC in order to receive college credit.

HN30531 DUAL CREDIT FUNDAMENTALS OF SPEECH

Semester 1/2 Unit
Grade Levels: 1 1 - 1 2
Weighted, 3 Hours of College Credit

Prerequisite: To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

This course is designed to help students improve their public speaking skills. Students will use a variety of techniques to outline, write and present a variety of different types of public speeches. Studies will include both formal and informal speaking situations. Recommended for all college-bound students. Three hours of college credit may be earned through MCKC.(SPDR 100); Tuition will be paid directly to directly to the college to receive college credit.

H32721 COMPETITIVE DEBATE

Semester 1/2 Unit
Grade Levels: 9-12

Competitive debate is a basic course that introduces students to competitive interscholastic debate. Critical thinking, argumentation, research, teamwork, writing, and public speaking skills are developed through the course work and competitive process. *All students are required to compete in one extracurricular debate and one speaking competition per semester. Competitions are on weekends and usually include both Fridays and Saturdays. There are several weekend tournaments available throughout the semester to fulfill this requirement. **Participation is also required to work either the Friday and/or Saturday of the invitational debate tournament that Ray-Pec hosts.

HN3270 ADVANCED COMPETITIVE DEBATE

Semester 1/2 Unit
Grade Levels: 9-12 Weighted
Prerequisite: Successful Completion of Competitive Debate

"Advanced Debate will focus on refining research, argumentation, and presentation skills as well as advanced debate theory and strategy. Emphasis is placed in in-depth analysis of the current Policy, Lincoln-Douglas, and/or Public Forum topics. Students will also work to improve their skills in competitive speaking events. Students receive weighted credit only for the initial semester of completion. Regular (non weighted) credit will be earned additional semesters. A student taking beginning Debate during 1st semester may enroll in Adv. Debate second semester if approved. *All students are required to compete in a minimum of 2 interscholastic debate tournaments in both debate and a public speaking event during each semester. Competitions are on weekends and usually include both Fridays and Saturdays. There are several weekend tournaments available throughout the semester to fulfill this requirement. ***Participation is required to work both the Friday and Saturday of the invitational debate tournament that Ray-Pec hosts.

HN32725 DUAL CREDIT ADVANCED COMPETITIVE DEBATE

Year 1 Unit
Grade Levels: 11-12 Weighted

Prerequisite: To earn college credit, students must meet MO State's prerequisites of: a 3.0 GPA and a 21 or higher on the ACT. Students who do not meet those requirements may be considered with a letter of recommendation.

Advanced Debate will focus on refining research, argumentation, and presentation skills as well as advanced debate theory and strategy. Emphasis is placed in in-depth analysis of the current Policy, Lincoln-Douglas, and/or Public Forum topics. Students will also work to improve their skills in competitive speaking events. Students receive weighted credit only for the initial semester of completion. Regular (non weighted) credit will be earned additional semesters. A student taking beginning Debate during 1st semester may enroll in Adv. Debate second semester if approved. *All students are required to compete in a minimum of 2 interscholastic debate tournaments in both debate and a public speaking event during each semester. Competitions are on weekends and usually include both Fridays and Saturdays. There are several weekend tournaments available throughout the semester to fulfill this requirement.

**Participation is required to work both the Friday and Saturday of the invitational debate tournament that Ray-Pec hosts.

Three hours of college credit may be earned through Missouri State University. Tuition will be paid directly to directly to the university to receive college credit.

MODERN LANGUAGE OFFERINGS

Our mission is to provide an understanding of foreign languages and culture in an effort to enhance our economic competitiveness abroad, improve global communication and understanding, and maintain national, political and security interests.

Foreign language courses are **NOT** required to graduate from Raymore-Peculiar High School but are strongly recommended or required for all four year colleges and universities.

H3512 FRENCH I

Year 1 Unit
Grade Levels: 9-12

Prerequisite: Successful completion of both semesters of English.

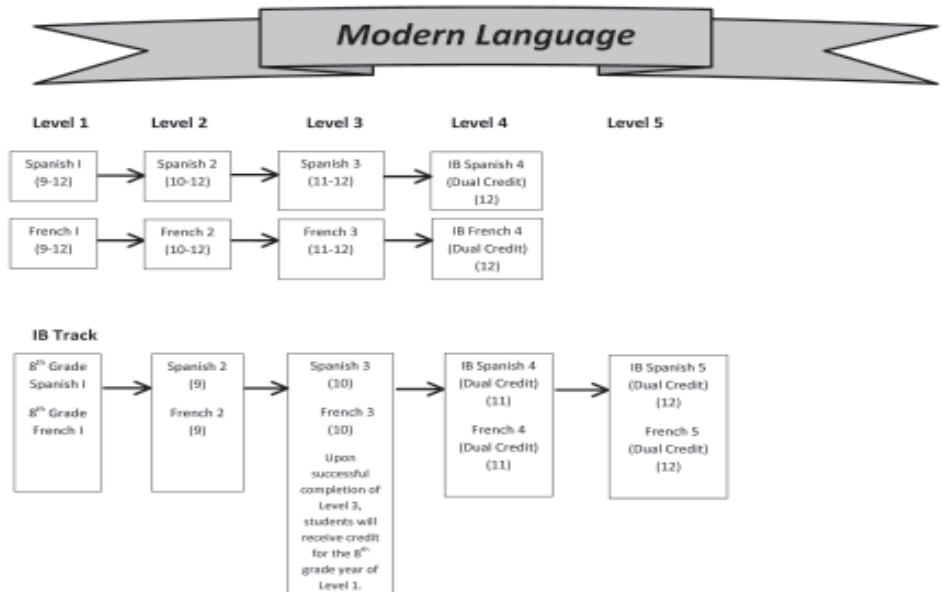
This course assumes no prior knowledge of French. The purpose of French 1 is to develop advanced thinking skills that can be applied to future study of French, and eventually college-level work. French 1 will familiarize students with French speaking cultures and aid them in the application of the language. The study of French will enrich the student's school experiences and teach them to appreciate and value other cultures outside of their own. French 1 is important in the development of critical thinking skills. By the end of the year students will be able to communicate at a novice level through speaking, reading, listening and writing. **RECOMMENDED GRADE: It is recommended that students have at least a C- in both semesters of their ELA class the year prior to studying French 1.**

H3522 FRENCH II

Year 1 Unit
Grade Levels: 9-12

Prerequisite: Successful completion of both semesters of French I

This course assumes successful completion of French 1. The purpose of French 2 is to develop advanced thinking skills that can be applied to future study of French, and eventually college-level work. French 2 will familiarize students with French speaking cultures and aid them in the application of the language. The study of French will enrich the student's school experiences and further their appreciation and value of other cultures outside of their own. French 2 is important in the development of critical thinking skills. By the end of the year students will be able to communicate at a more advanced novice level through speaking, reading, listening and writing. **RECOMMENDED GRADE: It is recommended that students have at least a C- in both semesters of French 1. It is also recommended that**



students do not skip years between studying French 1 and 2.

H35323 FRENCH III

Year 1 Unit
Grade Levels: 10-12

Prerequisite: Successful completion of both semesters of French II

French III is a full-year course where students will continue their study of the French language. The course will continue to familiarize students with French speaking cultures and aid them in the application of the language. Students will be expected to learn advanced vocabulary and grammatical topics while reading authentic texts. The study of French will enrich the student's school experiences and teach them to appreciate and value other cultures outside of their own. By the end of the year, students will be able to communicate at a low-intermediate level through speaking, reading, listening and writing. **RECOMMENDED GRADE: It is recommended that students have at least a C- in both semesters of French 2. It is also recommended that students do not skip years between studying French 2 and 3.**

HN3542 FRENCH IV

(MCC French 101)

Year 1 Unit
Grade Level: 11-12 Weighted, 5 hours of College Credit

Prerequisite: Successful completion of both semesters of French III. To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

IB French 4 / MCC French 101 will provide students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the four primary language skills. Instruction will include oral and listening interaction, reading a range of authentic texts, and a variety of writing tasks. This course may be taken for high school credit, college credit (through MCC) and/or for IB purposes. **RECOMMENDED GRADE: It is recommended that students have at least a C- in both semesters of French 3. It is also recommended that students do not skip years between studying French 3 and 4.**

H3612 SPANISH I

Year 1 Unit

Grade Levels: 9-12

Prerequisite: Successful completion of both semesters of English.

This course assumes no prior knowledge of Spanish. The purpose of Spanish 1 is to develop advanced thinking skills that can be applied to future study of Spanish, and eventually college-level work. Spanish 1 will familiarize students with Spanish speaking cultures and aid them in the application of the language. The study of Spanish will enrich the student's school experiences and teach them to appreciate and value other cultures outside of their own. Spanish 1 is important in the development of critical thinking skills. By the end of the year students will be able to communicate at a basic level through speaking, reading, listening and writing. **RECOMMENDED GRADE: It is recommended that students have at least a C- in both semesters of their ELA class the year prior to studying Spanish 1.**

H3622 SPANISH II

Year 1 Unit

Grade Levels: 9-12

Prerequisite: Successful completion of both semesters of Spanish I

This course assumes successful completion of Spanish 1. The purpose of Spanish 2 is to develop advanced thinking skills that can be applied to future study of Spanish, and eventually college-level work. Spanish 2 will familiarize students with Spanish speaking cultures and aid them in the application of the language. The study of Spanish will enrich the student's school experiences and further their appreciation and value of other cultures outside of their own. Spanish 2 is important in the development of critical thinking skills. By the end of the year students' will be able to communicate at a more advanced novice level through speaking, reading, listening and writing. **RECOMMENDED GRADE: It is recommended that students have at least a C- in both semesters of Spanish 1. It is also recommended that students do not skip years between studying Spanish 1 and 2.**

H3639 SPANISH III

Year 1 Unit

Grade Level 10-12

Prerequisite: Successful completion of both semesters of Spanish II

Spanish III is a full-year course where students will continue their study of the Spanish language. The course will continue to familiarize students with Spanish speaking cultures and aid them in the application of the language. Students will be expected to learn advanced vocabulary and grammatical topics while reading authentic texts. The study of Spanish will enrich the student's school experiences and teach them to appreciate and value other cultures outside of their own. By the end of the year, students will be able to communicate at a low-intermediate level through speaking, reading, listening and writing. **RECOMMENDED GRADE: It is recommended that students have at least a C- in both semesters of Spanish 2. It is also recommended that students do not skip years between studying Spanish 2 and 3.**

HI2101 IB SPANISH IV*(MCC Spanish 101)*

Year 1 Unit

Grade Levels: 11-12 Weighted, 5 hours of College Credit

Prerequisite: Successful completion of both semesters of Spanish III. To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

IB Spanish 4 / MCC Spanish 101 will provide students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the four primary language skills. Instruction will include oral and listening interaction, reading a range of authentic texts, and a variety of writing tasks. This course may be taken for high school credit, college credit (through MCC) and/or for IB purposes. **RECOMMENDED GRADE: It is recommended that students have at least a C- in both semesters of Spanish 3. It is also recommended that students do not skip years between studying Spanish 3 and 4.**

HI 21012 IB SPANISH V*(MCC Spanish 102)*

Year 1 Unit

Grade Level: 12 Weighted, 5 hours of College Credit

Prerequisite: C- or better in IB Spanish 4. To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

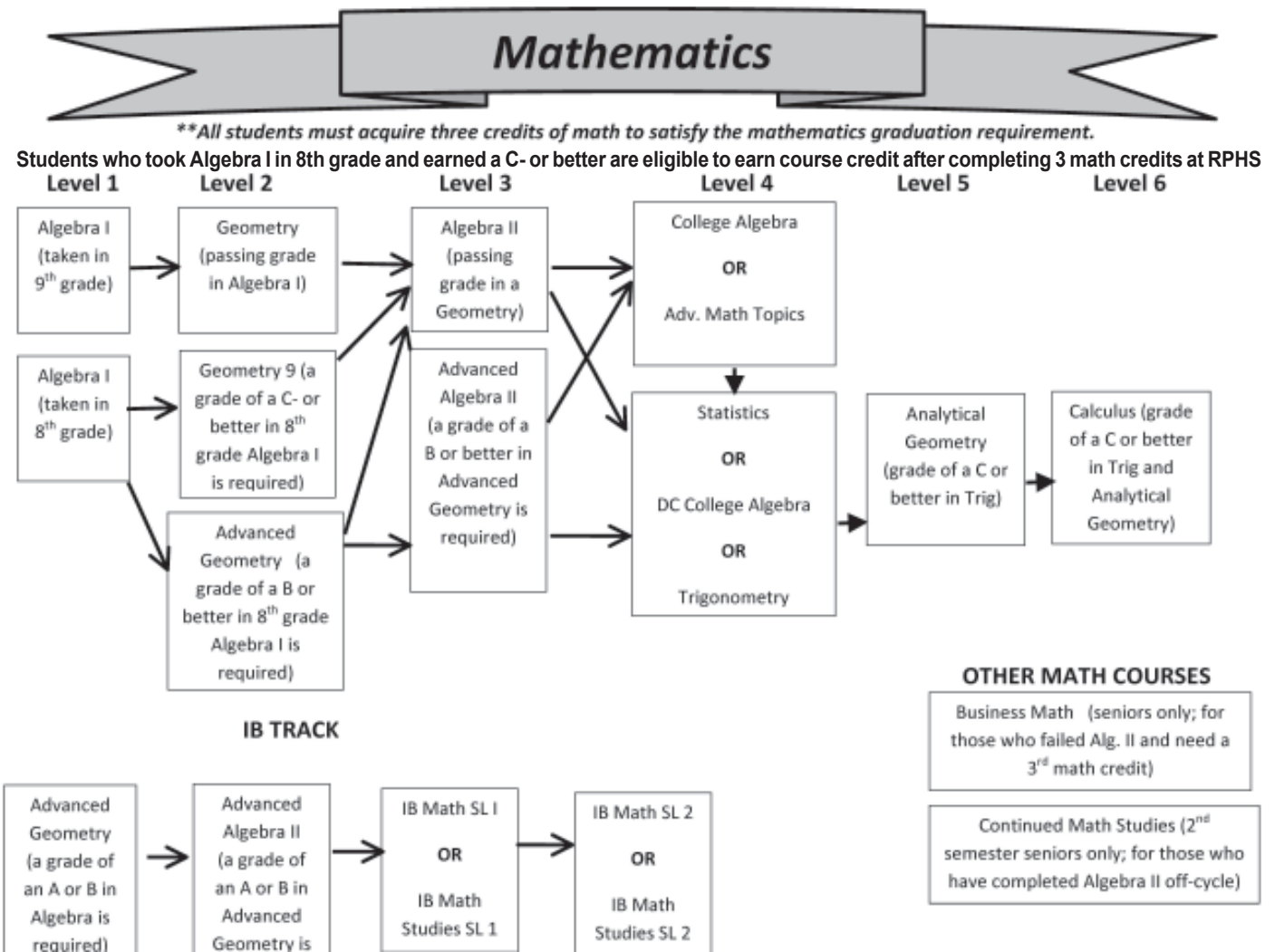
IB Spanish 5 / MCC 102 will provide students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the four primary language skills. Instruction will include oral and listening interaction, reading a range of authentic texts, and a variety of writing tasks. This course may be taken for high school credit, college credit (through MCC) and/or for IB purposes.

RECOMMENDED GRADE: It is recommended that students have at least a C- in both semesters of IB Spanish 4.

MATHEMATICS EDUCATION OFFERINGS

The mission of the Mathematics Department is to prepare students to be mathematically literate in a technologically changing society.

MATHEMATICS CURRICULUM CHART



If a student fails Algebra, Geometry or Algebra II During the first semester they will be required to take the first semester of that course during the second semester of that year.

- H50220 Algebra I (first half during second semester) - H50221 Algebra I(second half during first semester)
- H50511 Geometry(first half during second semester) - H50512 Geometry(second half during first semester)
- H50610 Algebra II(first half during second semester) - H50611 Algebra II(Second half during first semester)

If a student fails Algebra, Geometry or Algebra II During the first semester they will be required to take the first semester of that course during the second semester of that year.

H50220 ALGEBRA I

(first half during second semester) -

H50221 ALGEBRA 1

(second half during first semester)

H50511 GEOMETRY

(first half during second semester) -

H50512 GEOMETRY

(second half during first semester)

H50610 ALGEBRA II

(first half during second semester) -

H50611 ALGEBRA II

(Second half during first semester)

H5021 ALGEBRA I

Year 1 Unit

Grade Level: 9

Traditional Algebra I topics covered: solving equations and inequalities, data, statistics, percents, linear equations and functions, operations with exponents, systems of equations, quadratic equations and functions.

H5051 GEOMETRY

Year 1 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of Algebra I

This course will be a study of basic geometric figures and their relationships. Topics to be covered will include: geometric reasoning, parallel and perpendicular lines, polygons, triangle congruence, perimeter, area, surface area and volume, circles, and trigonometry.

H5059 GEOMETRY 9

Year 1 Unit

Grade Levels: 9

Prerequisite: A grade of a C- (70%) or better in Algebra I (8th grade)

This is a recommended course for students planning to take the higher level mathematics courses. This course will cover the same topics as Advanced Geometry, but at a slower pace and less in-depth.

This course will be a study of basic geometric figures and their relationships. Topics to be covered will include: geometric reasoning, parallel and perpendicular lines, polygons, triangle congruence, perimeter, area, surface area and volume, circles, and trigonometry.

H5052 ADVANCED GEOMETRY

Year 1 Unit

Grade Levels: 9

Prerequisite: A grade of A or B in Algebra I

(8th grade)

This is a recommended course for students planning to take the higher level mathematics courses. This course will cover the same topics as Geometry, but at a faster pace and more in-depth.

This course will be a study of basic geometric figures and their relationships. Topics to be covered will include: geometric reasoning, parallel and perpendicular lines, polygons, triangle congruence, perimeter, area, surface area and volume, circles, and trigonometry.

H5202 MATHEMATICS WITH BUSINESS APPLICATIONS

Year 1 Unit

Grade Levels: 12

Prerequisite: Successful completion of Geometry and for a senior needing a 3rd math credit. You will need teacher/counselor or administrative approval to enroll in this course.

This course will use expand previously learned math concepts and skills through applications found in daily personal finance and business situations. This course does not meet the mathematics requirement for college-bound students.

H5062 ALGEBRA II

Year 1 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of Geometry

Recommended for student in non-mathematics and non-science fields. Topics include solving systems of equations, transforming linear and quadratic equations, solving quadratics, polynomial functions, exponential and logarithmic functions, rational and radical functions, data analysis and statistics.

H50621 ADVANCED MATH TOPICS

Year 1 Unit

Grade Levels 11-12

Prerequisite: Successful completion of Algebra II

Math Topics is intended to prepare students to enter the world of work in the twenty-first century. In this course, students will solve real-world problems with many applications to business. Unique problem situations will be explored to enhance students' critical thinking and mathematical reasoning skills. Students will be required to solve such problems through modeling and other forms of representation. The discrete mathematics semester will include topics such as election theory, fair division and graph theory. The statistics semester will include topics such as probability and counting techniques, measures of central tendency

and dispersion, and properties of normal distributions. Due to the similar nature of material, students who are enrolled in Advanced Math Topics during second semester cannot have previously earned credit in Statistics or be concurrently enrolled in Statistics.

H5071 ADVANCED ALGEBRA II

Year 1 Unit

Grade Levels: 10-12

Prerequisite: A grade of A or B in Advanced Geometry

Recommended for students who plan to pursue a career in mathematics, science, technology or business. Topics may include equations, inequalities, graph theory, matrices, polynomial and radical expressions, quadratic functions, conic sections, rational expressions, exponential and logarithmic functions, discrete mathematics and probability and trigonometric functions.

H51610 COLLEGE ALGEBRA

Year 1 Unit

Grade Levels: 11-12

Prerequisites: Successful completion of Algebra II

This course will provide students with traditional Algebraic skills at a level necessary for success in college. (Not weighted/not for college credit.) Students enrolled in this course cannot have completed Dual Credit Statistics, Dual Credit College Algebra, Dual Credit Trigonometry or Dual Credit Analytic Geometry.

HN51612 DUAL CREDIT COLLEGE ALGEBRA 210

Semester 1/2 Unit

Grade Levels: 11-12 Weighted,

3 Hours of College Credit

Prerequisite: A grade of B or better in Algebra II or Advanced Algebra II. To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 22 or higher or a proficient score on the ACCUPLACER.

This course will consist of a basic review of the laws of exponents, operations with radical expressions and rational exponents, polynomial identities, factoring and operations with rational expressions. Students will solve linear, absolute value, quadratic, polynomial and rational equations and inequalities; equations involving radical, exponential and logarithmic equations, and systems of equations along with applications. The course covers the graphs of lines and conic sections, the concepts of functions, domain, range, operations with functions, rigid and non-

rigid transformations with functions as well as the properties of linear, quadratic, polynomial, exponential and logarithmic functions, applications and modeling.

HN5083 TRIGONOMETRY 130

Fall Semester only 1/2 Unit
Grade Levels: 11-12 Weighted,
3 Hours of College Credit

Prerequisites: A grade of C or better in Algebra II or Advanced Algebra II. To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 25 or higher or a proficient score on the ACCUPLACER.

This course will focus on a study of trigonometric functions, trigonometric identities and graphing trigonometric functions.

HN5152 ANALYTIC GEOMETRY

Spring Semester Only 1/2 Unit
Grade Levels: 11-12 Weighted,
3 Hours of College Credit

Prerequisite: A grade of a C or better in Trigonometry. In order to receive 3 credit hours from UMKC, a student must have a 3.0 GPA or a 21 or higher on the ACT.

This course will focus on analytic geometry, including conic sections, polar coordinates, complex numbers and some work with vectors and solid geometry.

HN5094 STATISTICS 115

Semester 1/2 Unit
Grade Levels: 11-12 Weighted,
3 Hours of College Credit

Prerequisite: A grade of C or better in Algebra II or Advanced Algebra II. To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 22 or higher or a proficient score on the ACCUPLACER.

This course will acquaint the student with the fundamentals of statistics distributed over a wide variety of applications including economics, business, education, psychology, sociology, biology and medicine. In order to receive college credit a student's cumulative GPA must be at least a 3.0.

HN5113 CALCULUS 180

Year 1 Unit
Grade Level: 12 Weighted, 3
Hours of College Credit

Prerequisite: A grade of a C or better in both Trigonometry & Analytic Geometry. To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT

score of an 28 or higher or a proficient score on the ACCUPLACER.

This course is designed to provide student proficiency in the applications of functions, limits, continuity, derivatives and integrals and infinite series.

H5010 CONTINUED MATH STUDIES

Semester 1/2 Unit
Grade Level: 12

This course is designed and recommended only for senior students who have finished their Algebra 2 coursework after the first semester of their senior year. This course will provide students with continued development of their algebraic skills as well as entry-level exposure to other mathematical elements and topics for the sole purpose of keeping their mathematical skills current and refreshed for better success in college.

IB MATH COURSES

HI 2311 IB MATHEMATICS SL1

Year 1 Unit
Grade Level: 11 Weighted
Prerequisite: A grade of A/B in Advanced Algebra II is required.

Recommended for those considering a Math/Science major in college.

In this course students will study trigonometry (right triangle trigonometry, unit circle, trigonometric functions and identities); statistics and probability (measures of central tendency, correlation coefficient, line of regression, line of best fit, probability of events, normal and binomial distributions); sequences and series (arithmetic, geometric, sums of finite and infinite series); and functions (quadratic, exponential, logarithmic, transformations). Students will begin work on the Internal Assessment.

HI 23112 IB MATHEMATICS SL 2

Year 1 Unit
Grade Level: 12 Weighted
Prerequisite: Successful completion of IB Mathematics SL 1

In this course students will study Vectors (scalar product, angle between vectors, operations with vectors, position and unit vectors); Calculus (limits, first and second derivatives, maximum/minimum, integration and its applications). Students will complete their Internal Assessment by December of this year. The Internal Assessment is a 6-12 page exploration of a mathematical concept. Students will also take the External Assessment in the spring of this year. Students who take the SL2 course must take the IB exam in the spring of their senior year.

HI 2301 IB MATH STUDIES SL 1

Year 1 Unit
Grade Levels: 11 Weighted
Prerequisite: A grade of A/B in Advanced Algebra II is required.

Recommended as an alternative course for those student who will not be pursuing a career that requires a Math or Science major in college.

This course is intended to prepare students to enter the world of work in the twenty-first century and will have less of a focus on math theory and more of a focus on the application aspect of math to the business and workforce world. The course's purpose will be to enhance students' critical thinking and mathematical reasoning skills. In this course students will study statistics and probability (measures of central tendency and dispersion, correlation coefficient, line of regression, line of best fit, normal distributions); sequences and series (arithmetic and geometric); functions (linear, quadratic, exponential, polynomial, rational). Students will complete a mock Internal Assessment in the spring of the school year.

HI 23012 IB MATH STUDIES SL 2

Year 1 Unit
Grade Level: 12 Weighted
Prerequisite: Successful completion of IB Math Studies SL 1

In this course students will study Logic (compound statements and negations, truth tables, set theory); Probability (mutually and non-mutually exclusive events, independent and dependent events, conditional probabilities, expected value); Geometry and Trigonometry (sine and cosine rules, solid geometry, distance and angle measure in 3D space); Differential Calculus (derivative as rate of change, increasing and decreasing functions, local max and min values). Students will complete their Internal Assessment by December of this year. The Internal Assessment is a self-designed project in which students collect, analyze and evaluate relevant data. Students will also take the External Assessment in the spring of this year. Students who take the SL2 course must take the IB exam in the spring of their senior year.

SOCIAL STUDIES OFFERINGS

It is the goal of the Social Studies Department to demonstrate to students the importance of citizenship in the United States, to relate the historical, political, and social influences on the responsibilities of citizens in our society and on their position in a global economy.

REQUIRED COURSES

H4032 AMERICAN HISTORY

Year 1 Unit
Grade Level: 9

Students are required to pass this course or Advanced American History for graduation. This American History course is designed to introduce students to the changes in the U.S. through political, economic, social, and industrial expansion by studying the eras of Reconstruction through today's "war on terrorism." Additionally, this course will give students an understanding of the importance of functioning in a culturally diverse America. Students will demonstrate their mastery of these concepts through multiple instructional methodologies.

H4012 WORLD HISTORY

Year 1 Unit
Grade Level: 10

Students are required to pass this course or AP World History for graduation.

This course is a social, cultural, economic and political study of mankind from primitive beginnings to the present. Students will be introduced to such topics through comparative analysis from antiquity through the modern age. Special emphasis will be given to the many and varied contributions to the world cultural growth that have been made by all humanity; ethnic, racial, gender and religious.

H4002 AMERICAN GOVERNMENT

Year 1 Unit
Grade Level: 11

This course examines the origins, development, and basic structure of the United States' government. Students will take the U.S. and Missouri Constitution Exams as part of this course, and must pass the exam and course in order to graduate.

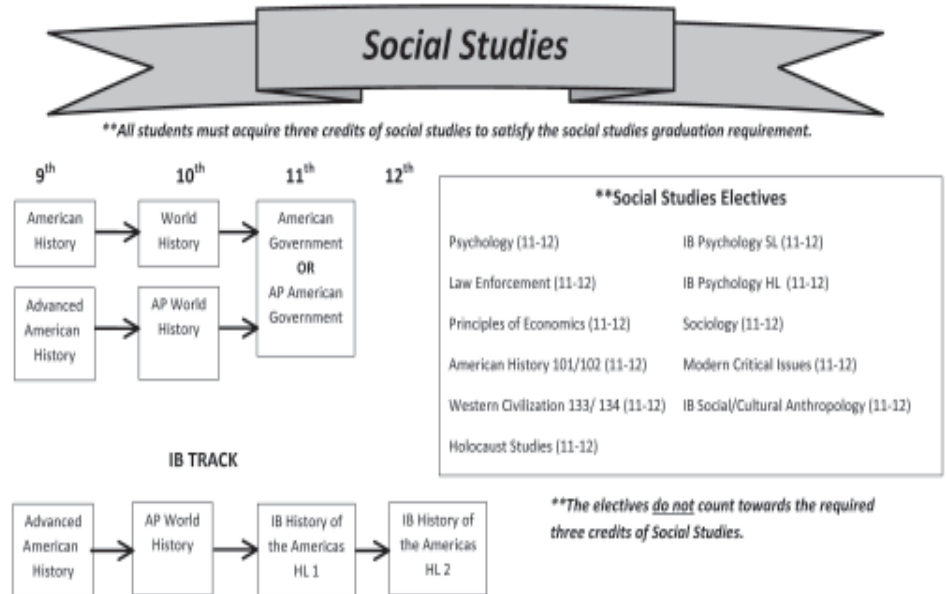
ELECTIVES

H40399 PRINCIPLES OF ECONOMICS

Semester 1/2 Unit
Grade Level: 11-12

Prerequisite: Successful completion of Algebra I

This course is designed to introduce students to the major concepts of economics, both at the individual and domestic levels. Students will learn about how individuals make decisions based on preferences and limitations. Those who enroll in this course will explore pricing and markets, as well as how the United States and foreign governments use policy to attempt to affect the economy.



H4040 HOLOCAUST STUDIES

Semester 1/2 Unit
Grade Levels: 11-12

This course will focus on the Holocaust that occurred in Europe during World War II. Students will learn the causes, events that transpired for Nazi soldiers, Jews and civilian Europeans, and the aftermath of the Holocaust. Students will also spend time learning about other genocidal situations that occurred globally since the 1940's. This class is taught using a multimedia/multidisciplinary approach. Students can expect to see a variety of dramatic films and documentaries, listen to memoirs of survivors, read literary works and graphic novels, and conduct their own research into an area of their choosing. We will also be examining the Holocaust from a variety of perspectives, including historical, literary, artistic, scientific, religious, cultural, philosophical, ethical and diplomatic points of view.

H4042 SOCIOLOGY

Semester 1/2 Unit
Grade Levels: 11-12

Sociology is the study of our society. It is concerned with groups, how they are formed, how they interact, how they change and the problems they encounter. Areas covered include social structure, social institutions, and the socialization process.

H4052 PSYCHOLOGY

Semester 1/2 Unit

Grade Levels: 11-12

This class encompasses the study of individual human behavior. Areas included are human development, learning, intelligence, emotions, stress and personality disturbances.

H4072 LAW ENFORCEMENT

Semester 1/2 Unit
Grade Levels: 11-12

This course will acquaint the student with the history of law, the need for laws and how they are enforced. It provides practiced information that develops in students, the knowledge for survival in our law-saturated society. Areas covered are criminal law and civil law, including torts, family law and consumer law.

HN4201 FOUNDATIONS OF WESTERN CIVILIZATION 133

Semester 1/2 Unit
Grade Levels: 11-12 Weighted,
3 Hours of College Credit

Prerequisite: To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

This course is a survey examination of the development of the ideas and institutions peculiar to the Western cultural and intellectual tradition up to 1600 AD. We will begin with the origins of civilization and religion, progress through the ancient world of the Near East and the Mediterranean, culminating in the evolution of Western

thought through the Middle Ages, Renaissance, and the Reformation.

HN4202 MODERN WESTERN CIVILIZATION 134

Semester 1/2 Unit
Grade Levels: 11-12 Weighted,
3 Hours of College Credit

Prerequisite: To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

This course is a survey examination of the development of the ideas and institutions peculiar to the Western cultural and intellectual tradition from 1600 AD to present day. We will begin with the Renaissance and continue through industrialism, nationalism as well as the problems posed by war, revolution and imperialism in the 20th century.

HN4203 AMERICAN HISTORY 120

Semester 1/2 Unit
Grade Level: 12 Weighted, 3
Hours of College Credit

Prerequisite: To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

This is a survey course of early American history, covering the pre-colonial period through Reconstruction up to 1877. Special emphasis will be given to the people, places, and events that have shaped the American experience and made it unique. Attention will also be given to the social, cultural, and political developments of the period as well. Students may take either AH 120, 121 or both. A term paper will be required for completion of this course.

HN4204 AMERICAN HISTORY 121

Semester 1/2 Unit
Grade Level: 12 Weighted,
3 Hours of College Credit

Prerequisite: To earn college credit, students must meet MCC's prerequisites of: a 2.5 (or greater) GPA and written parent permission, recommendation of the principal or counselor and an ACT score of an 18 or higher or a proficient score on the ACCUPLACER.

This is a survey course of American history, covering the end of Reconstruction up through the twentieth century. Special emphasis will be given to the people, places, and events that have shaped the American experience and made it unique. Attention will also be given to the social, cultural, and political developments of the period as well. Students may take either AH 120, 121 or both. A term paper will be required for completion of this course.

HN4161 ADVANCED PLACEMENT UNITED STATES GOVERNMENT & POLITICS

Year 1 Unit
Grade Levels: 11-12 Weighted

This class fulfills the Foundations of Government/Political Studies Requirement

AP Government offers students the opportunity to read and analyze materials in a college-level text and various primary and secondary sources as they study the relationship between politics and government. This course includes a comprehensive study of the art of politics and the workings of contemporary American political behavior as a primary social force. Students with a special interest in political science, law, or citizen political involvement will participate in a variety of activities which will allow them to apply theory into practice. Attention will also be given to comparative government, political frameworks, and political change. The grade for this course is weighted. Students will be required to attend a local government meeting (i.e. school board or city council). To receive weighted credit, a student must take the AP test in the spring.

H41632 ADVANCED AMERICAN HISTORY

Year 1 Unit
Grade Levels: 9th grade students can take in place of regular American History

Advanced American History provides an opportunity for advanced students to read and analyze a college text and various primary and secondary sources. Students will work with political cartoons, artwork, music, architecture, speeches, essays, articles, graphs, film, maps and books. The course covers the history of the U.S. from colonization to the present and emphasizes major themes. Methods of instruction and evaluation include lecture, discussion, debates, projects, a variety of written assignments, and oral presentations.

HN4165 ADVANCED PLACEMENT WORLD HISTORY

Year 1 Unit
Grade Level: 10-12 Weighted

AP World History is an advanced weighted class that can be taken instead of the required world history course. This is for advanced students who wish to challenge themselves by using college level materials. It is a social, cultural, economic and political study of mankind from primitive beginnings to the present following the College board curriculum to prepare students for the AP World History test. To receive weighted credit, a student must take the AP test in the spring.

H40821 MODERN CRITICAL ISSUES

Semester 1/2 Unit
Grade Level: 11-12

This exciting class is the study of economic, political, and cultural events that shape our daily lives. Students will read various contemporary magazines and newspapers, and will analyze the significance of each event on a community, state, national, and world level. This course requires a great deal of outside reading and writing.

IB HISTORY COURSES

HI 2201 IB HISTORY OF THE AMERICAS HL 1

Year: 1 Unit--Fulfills
Government requirement
Grade Level: 11 Weighted
AP World History is Strongly Recommended

HI 22012 IB HISTORY OF THE AMERICAS HL 2

Year: 1 Unit
Grade Level: 12 Weighted
Prerequisite: Successful completion of IB History of the Americas HL1

Over two years students will cover American History along with Canadian and Latin American Histories. The course will focus on peace-keeping as well as threats to peace such as war during the twentieth century, single party dictatorships, and the Cold War. Students will explore the changing American role during these events. Students will practice historical research and prepare for the HL exam at the end of the twelfth grade year. Completion of the eleventh grade year of History of the Americas will fulfill the required American Government and Constitution tests during. Students who take the HL2 course must take the IB exam in the spring of their senior year.

HI 2210 IB PSYCHOLOGY SL

Year 1 Unit
Grade Levels: 11-12 Weighted

This one-year course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students will apply three strategies (biological, cognitive, and sociocultural) of inquiry explaining, predicting, and evaluating changes in human behavior. In addition, students will explore alternative explanations of behavior and use diverse methods of psychological inquiry.

HI22101 IB PSYCHOLOGY HL

Year 1 Unit
Grade Levels: 11-12 Weighted

This two year course builds on the IB Psychology SL curriculum and explores additional areas of study. HL students will conduct an original psychological study demonstrating scientific methodology to studying human behavior.

HI222 IB SOCIAL AND CULTURAL ANTHROPOLOGY

Year 1 Unit
Grade Levels: 11-12 Weighted

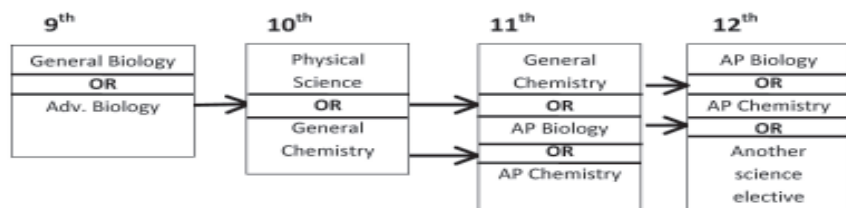
This course offers students an opportunity to become acquainted with anthropological perspectives and ways of thinking. Social and cultural anthropology contributes a distinctive approach to intercultural awareness and understanding differences and relationships between cultures, which embodies the essence of an IB education. Anthropology fosters the development of citizens who are globally aware and ethically sensitive.

SCIENCE EDUCATION OFFERINGS

The mission of the Science Department is to foster an environment which will enable students to become critical thinkers and to promote an understanding of how science will affect their daily lives.

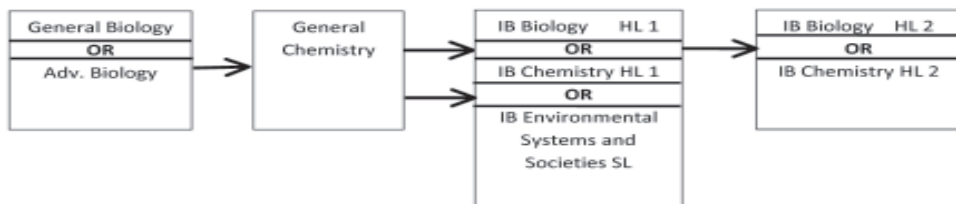


****All students must acquire three credits of science to satisfy the science graduation requirement. One credit must be biology.**



**Science Electives	
AP Chemistry (11-12)	Historical Geology (11-12)
Physics (11-12)	Atmospheric Science (11-12)
Botany (11-12)	Field Biology (11-12)
Genetics (11-12)	Astronomy (11-12)
Human Anatomy & Physiology (11-12)	
Principles of Biomedical Science (9-12)	
Human Body Systems (10-12)	

IB TRACK



****Refer to course guide for necessary prerequisites.**

REQUIRED COURSES

All students must complete three years of science to satisfy the required science curriculum for graduation including one Biological Science and one Physical Science. One of those three classes must be Biology or Biology taken in the Freshman or Sophomore years.

BIOLOGICAL SCIENCE

H6032 BIOLOGY

Year 1 Unit
Grade Level: 9-10
Recommended: A grade of a B- or better in 8th grade science.

This course is designed to provide students with a thorough coverage of biological concepts which form the foundation for additional work in the biological sciences. Areas to be covered include scientific methods, cell chemistry, cell structure, cell processes, DNA, genetics and

ecology. When appropriate, labs or activities will be used to reinforce major topics.

OR

H6035 ADVANCED BIOLOGY

Year 1 Unit
Grade Level: 9-10
Recommended: A grade of an A- or better in 8th grade science.

This is a laboratory-oriented course for the college-bound student with an interest in life sciences. The analytical and critical thinking skills students will develop will help to prepare them for Advanced Placement Biology. This course will fulfill the biology requirement for graduation.

PHYSICAL SCIENCE

H6010 PHYSICAL SCIENCE

Year 1 Unit
Grade Level: 10-12
This class will give students a beginning knowledge of their physical world. It will include topics related to the structure of matter, physical properties and chemical properties of matter, motion, forces, Newton's Laws, work and energy. Calculations for this class require basic algebra knowledge.

H6072 CHEMISTRY

Year 1 Unit
Grade Levels: 10-12
Prerequisite: Successful completion or concurrent enrollment in Biology and Algebra 1
Chemistry is the study of matter and the changes in the composition of matter that affects our daily lives. Topics covered include atomic theory, phases of matter, chemical formulas, equations and reactions, stoichiometry, and acids and bases. Lab work is included to help stu-

students understand the basic principles covered in this course, as well as to enhance each student's laboratory skills.

HN6092 PHYSICS

Year 1 Unit
Grade Levels: 11-12 Weighted
Prerequisite: Successful completion or current enrollment in Trigonometry and a 3.0 GPA

Matter and energy relationships as evidenced in mechanics, kinetics and heat are studied in this course. Laboratory experiences help to place an emphasis on problem solving while reinforcing the basic principles covered in class. Typical lab experiments are the velocity and acceleration of objects, conservation of energy and momentum. Formal lab reports are required for this course.

ELECTIVE COURSES

HN6084 ADVANCED PLACEMENT CHEMISTRY

Year 1 Unit
Grade Levels: 11-12 Weighted
Prerequisite: Successful completion of Algebra II and Chemistry
Recommended: Grade of a C or better in Algebra II and Chemistry

The AP Chemistry course is designed to mirror two semesters of a standard, college-level general chemistry course. During the class, students will attain a fundamental depth of understanding and a reasonable competence of chemical problems through guided and open inquiry. The course will also contribute to the development of the students' abilities to clearly express their ideas with simplicity and logic with an emphasis on mathematical calculations, formulation of principles, and laboratory work. Students should also expect to spend at least five hours a week in individual study outside the classroom to be successful. To receive weighted credit, a student must take the AP test in the spring.

H6044 HISTORICAL GEOLOGY

Semester 1/2 Unit
Grade Levels: 11-12
Prerequisite: Successful completion of Biology

This course will cover the earth processes and major features that have contributed to the planet that now exists. Topics of study include earth formation, rocks and minerals of the crust, mapping, glaciers and major water features and their impact on earth's history and future.

H6054 ATMOSPHERIC SCIENCE

Semester 1/2 Unit
Grade Levels: 11-12
Prerequisite: Successful completion of Biology

This course is designed to study weather, weather forecasting, tornadoes, basic astronomy, oceans and their impact on global climate.

H6062 BOTANY

Semester 1/2 Unit
Grade Levels: 11-12
Prerequisite: Grade of a C or better in Biology

This course is a practical hands-on science course for students wishing to learn about the growth and care of plants commonly grown in the yard, garden and indoors both at home and commercially.

H6142 FIELD BIOLOGY

Semester 1/2 Unit
Grade Levels: 11-12
Prerequisite: Grade of a C or better in Biology

This course will be a thorough study of the plant and animal classifications found in North America. It is designed for those students desiring more study in biological sciences. A project (insect collection) is required.

H6112 HUMAN ANATOMY & PHYSIOLOGY

Year 1 Unit
Grade Levels: 11-12
Prerequisite: Grade of a C or better in Biology

This course is intended to familiarize students with the function of their bodies beyond those covered in biology. Areas of emphasis will be tissues, directional terminology, organs and body systems. Cat dissections will be mandatory to reinforce students' understanding of the structure and function of the body. This class may be used to prepare those students who are interested in further specialized work in health-related fields.

H6152 GENETICS

Semester 1/2 Unit
Grade Levels: 11-12
Prerequisite: Grade of a C or better in Biology

This course will be an extension of the concepts and principles of genetics learned in biology. Topics of study will include DNA, mitosis, Mendelian Genetics, genetic engineering, and experimentation with fruit flies. A computer project is required for this course.

H6180 PRINCIPLES OF BIOMEDICAL SCIENCE

Year 1 Unit
Grade Levels: 9-12

In this introductory course of the Project Lead the Way Science program, students will explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students will examine autopsy reports, investigate medical history and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine and research processes while allowing them to design their own experiments to solve problems. This is the first course in the PLTW biomedical pathway.

H61801 HUMAN BODY SYSTEMS

Year 1 Unit
Grade Levels: 10-12
Prerequisite: Successful completion of Principles of Biomedical Science

In this course, students will examine the interactions of the body systems as they explore identity, communication, power, movement, protection and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the role of biomedical professionals to solve medical mysteries.

HN6171 ADVANCED PLACEMENT BIOLOGY

Year 1 Unit
Grade Levels: 11-12 Weighted
Recommended: Successful completion of Chemistry, grade of a C or better in Biology or Advanced Biology.

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. This is a rigorous course in terms of range and depth of topics, laboratory work, and time and effort required of students. The general areas of study are Molecules and Cells, Heredity and Evolution, and Organisms and Populations. To receive weighted credit, the student must take the AP test in the spring.

HN6102 ASTRONOMY

Semester 1/2 Unit
Grade Levels: 11-12 Weighted
Prerequisite: 3.0 Unweighted GPA, successful completion of Biology, current enrollment or completion of Trigonometry or teacher approval

This second semester evening course is designed to provide the students with an advanced knowledge of celestial items and their movement. The class will cover a more extensive study of the field of astronomy. The students will be reproducing methods of study done by professional astronomers along with a historical background of the field. Celestial recording will be an important component and includes written observations, illustrations and computer imaging. The lab component is conducted both with computer based simulations and real world observations.

HI 2401 IB BIOLOGY HL 1

Year 1 Unit
Grade Level: 11 Weighted
Prerequisite: Grade of a B- or better in Chemistry

HI 24012 IB BIOLOGY HL 2

Year: 1 Unit
Grade Level: 12 Weighted
Prerequisite: Successful completion of IB Biology HL1

The coursework in these classes builds upon vast knowledge gained in previous biology courses and chemistry. The course will elaborate on biological concerns of global importance and will develop experimental and investigative skills. Material will be presented through various media, including but not limited to the use of technology, scientific journals, lectures and laboratory investigations.

Students follow the syllabus provided by the International Baccalaureate Organization. The course requires commitment to a rigorous two-year biology program. The student is required to maintain a detailed laboratory portfolio of investigations, showing competence in using scientific inquiry and methodology for problem solving. The portfolio will be submitted for internal assessment by the IB examiner. A mandatory Group 4 project will be completed during the two-year period. Students who take the HL2 course must take the IB exam in the spring of their senior year.

HI 2421 IB ENVIRONMENTAL SYSTEMS AND SOCIETIES SL

Year 1 Unit
Grade Level: 11-12 Weighted

This course will provide students with a coherent perspective of the relationship between environmental systems and societies. Understanding this relationship allows students to adopt an informed personal response to the wide range of pressing environmental issues. Students' attention can be constantly drawn to their own relationship with their environment and the significance of choices and decisions that they make. It is intended that students develop a sound understanding of the interrelationships between environmental systems and societies beyond the purely journalistic appreciation of environmental issues. This course allows students to evaluate the scientific, ethical and socio-political aspects of issues relating to the environment.

HI 2412 IB CHEMISTRY HL 1

Year 1 Unit
Grade Level 11 Weighted
Strongly recommend a grade of a B- or better in both Biology and Chemistry.

This course is designed to prepare students for the Higher Level IB Chemistry Exam. This will be done through a comprehensive study of chemistry principles, examinations and investigations which involve the students in scientific problem solving and inquiry processes. The students will design experiments to answer specific chemical questions and will be evaluated using the IB Internal Assessment Practical Scheme of Work. In addition to individual assessments, students will appropriate choose and manipulate mathematical formulas, show understanding of the relationships between theory and practice laboratory applications, develop an appreciation for the need to collaborate with peers and the importance of global communication and cooperation.

HI 24122 IB CHEMISTRY HL 2

Year: 1 Unit
Grade Level: 12 Weighted
Prerequisite: Successful completion of IB Chemistry HL1

This course is designed to prepare the students for the Standard Level IB Chemistry Exam. This will be done through a comprehensive study of chemistry principles, examinations, and investigations which involve the students in scientific problem solving and inquiry processes. The students will design experiments to answer specific chemical questions and will be evaluated using the IB Internal Assessment Practical Scheme of Work. In addition to individual assessment, students will appropriately choose and manipulate mathematical formulas, show understanding of the relationships between theory and practical laboratory applications, develop an appreciation for the need to collaborate with peers and the importance of global communication and cooperation. Students who take the HL2 course must take the IB exam in the spring of their senior year.

PRACTICAL ARTS

The mission of the Business Education, Marketing and Technology Program is to offer a wide variety of courses that will aid in developing a graduate who can assume responsibility as a citizen, worker, and consumer in the business community.

The mission of the Family and Consumer Science Program is to help students achieve skills, attitudes and behaviors needed for successful balancing of family and career life.

The mission of the Industrial Technology Program prepares students to work with a variety of current and emerging technologies. The curriculum focuses on real-life application of skills and information. Students will use technology to design and create products.

H7262 TECHNICAL THEATRICAL PRODUCTION

Semester 1/2 Unit

Grade Levels: 9-12

This class is designed for students who wish to learn about the technical aspects of the theater: scenery design and construction, lighting, painting and properties.

This class is repeatable for credit with instructor permission.

H7263 ADVANCED TECHNICAL THEATRICAL PRODUCTION

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Technical Theatre Production*

This class is designed for students interested in theatre who wish to learn the more advanced technical aspects of theatre including lighting and scenic design advanced painting techniques, properties design and construction, costume design and construction, and make-up design and application. This class is repeatable for credit with instructor permission.

FAMILY AND CONSUMER SCIENCE

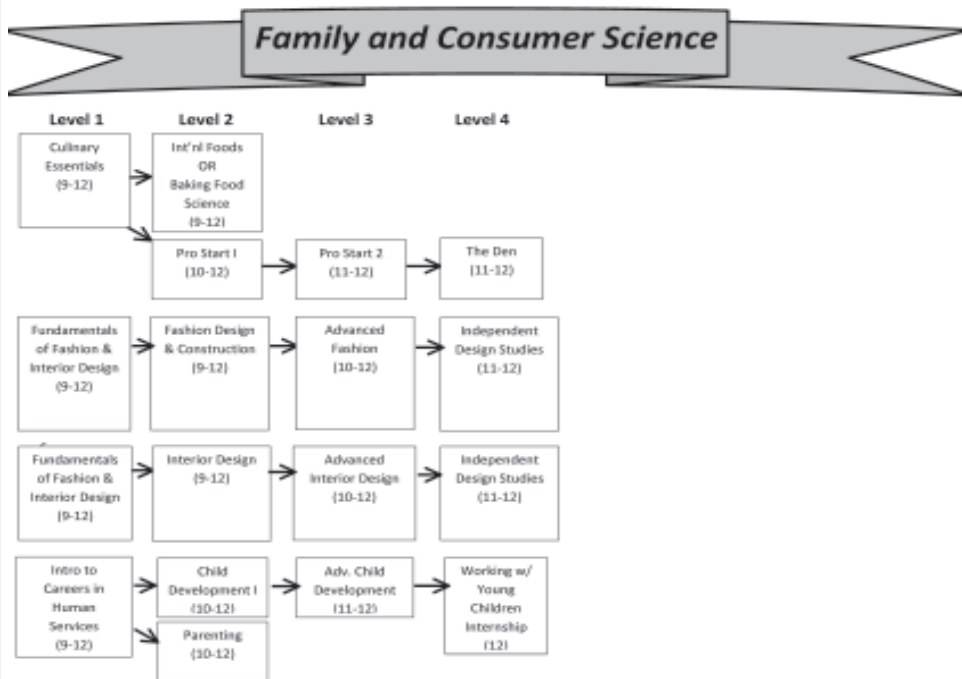
All courses in the Family and Consumer Science Department will teach students skills they will use for a lifetime. The courses offered will fulfill the Practical Art requirement for graduation from Raymore-Peculiar High School. Some courses have prerequisites and/or materials needed.

H73365 FUNDAMENTALS OF FASHION AND INTERIOR DESIGN

Semester 1/2 Unit

Grade Levels: 9-12

This course will allow students to explore the elements of fashion and interior design. Students will be exposed to two different design career pathways: Arts & Communication and Human Services. Methods of instruction include lecture, discussion, note-taking, technology-based activities, assessment and projects geared towards each unit. Basic sewing skills are taught in this course. Materials for projects will be provided by students.



H7326 FASHION DESIGN AND CONSTRUCTION

(formerly called *Introduction to Fashion Design and Clothing Construction*)

Year 1/2 Unit

Grade Levels: 9-12

Recommendation: Successful completion of *Fundamentals of Fashion and Interior Design* with a 70% or better.

This course is for students who desire to gain basic skills needed to produce, alter and repair a variety of fashion apparel and textile products. Students will demonstrate design concepts with fabric, draping and flat pattern making techniques. Materials for sewing projects will be provided by the student.

H73261 ADVANCED FASHION DESIGN AND CONSTRUCTION

(formerly called *Advanced Fashion Design and Clothing Construction*)

Year 1/2 Unit

Grade Levels: 10-12

Recommendation: Successful completion of *Fashion Design and Construction* with a 70% or better.

This course is designed for students wishing to build on prior knowledge and work towards

generating designs that take into consideration ecological, environmental, sociological, psychological, technical and economic trends and issues. Materials for sewing projects will be provided by the student.

H7302 INTERIOR DESIGN

(formerly called *Introduction to Home Design and Decoration*)

Year 1/2 Unit

Grade Levels: 9-12

Recommendation: Successful completion of *Fundamentals of Fashion and Interior Design* with a 70% or better.

Explore the basic skills needed to design and decorate a home. Students will gain knowledge needed to begin the design processes, building on the elements and principles of design learned in *Fundamentals of Fashion and Interior Design*. Students will create projects based on hypothetical client needs and situations, thereby providing a real-world, interior design experience. Materials for sewing and decoration projects will be provided by the students.

H7303 ADVANCED INTERIOR DESIGN*(formerly called Advanced Home Design and Decoration)*

Year 1 Unit

Grade Levels: 10-12

Recommendation: Successful completion of Interior Design with a 70% or better.

This course is for the student wishing to build upon concepts taught in Interior Design. Students will build on prior knowledge and work towards generating projects that take into consideration ergonomics, anthropometrics, human comfort theories, economic trends and issues. Materials for sewing and decoration projects will be provided by the students.

H73352 INDEPENDENT DESIGN STUDIES

Semester 1/2 Unit

Grade Levels: 11-12

Recommendation: Successful completion of Advanced Fashion Design and Construction or Advanced Interior Design with a 70% or better.

This course is an upper level elective practical arts course designed for those students who wish to expand on skills and techniques in one of the design career pathways. Students enrolled in this course will establish goals for growth, engage in community outreach to design businesses and prepare portfolios and collections to use in post-secondary interviews and/or events. Students must be highly motivated to create these original portfolios and collections in a deadline-driven career pathway. Materials for projects will be provided by the students.

H73645 CULINARY ESSENTIALS

Semester 1/2 Unit

Grade Levels: 9-12

Culinary Essentials is the first course students will take in the RayPec Culinary Arts pathway. In this course, students are introduced to essential culinary skills and concepts that can help them in everyday life, but may also spark an interest in a foodservice career. Food safety & sanitation, kitchen safety, careers in the foodservice industry, and food preparation methods are just a few of the concepts discussed. This course is a prerequisite to all upper-level culinary classes, included the National Restaurant Association ProStart Program.

H73632 BAKING AND FOOD SCIENCE*(formerly Foods and Nutrition)*

Semester 1/2 Unit

Grade Levels: 9-12

Prerequisite: Successful completion of Culinary Essentials with a 70% or better.

Baking and Food Science prepares you for successful careers as baking and pastry professionals through building a foundation of principles and skills, and then using specific application and recipes. Students will be able to prepare a wide array of baked goods, pastries and confections. Students will explore culinary baking topics, baking recipe planning and preparation, preparing recipes, and

the science behind baking. Baking and Food Science is an additional choice for students wanting to continue in the culinary department after the initial Culinary Essentials course has been taken. This course is provided as a foundation for ProStart I, but also allows students to move into International Foods if they are not interested in the professional pathway.

H7371 INTERNATIONAL FOODS

Semester 1/2 Unit

Grade Levels: 9-12

Recommendation: Successful completion of Culinary Essentials with a 70% or better.

International Foods allows a student to explore cuisines of the world and the regional areas of the United States. Students will learn about the customs and etiquette of each region and prepare a variety of recipes for each of these regions. Students will also gain a better understanding of how to plan and prepare meals for all areas of the lifespan and areas of specific nutritional needs.

H73721 PROSTART I

Year 1 Unit

Grade Levels 10-12

Recommendation: Successful completion of Culinary Essentials with a 70% or better.

Come explore the foodservice industry as you study as though you are a chef! ProStart I is the first year of a two-year comprehensive program designed by the National Restaurant Association. It is for students who want to pursue a career in the culinary arts. The classroom experience includes time studying the history of the foodservice industry, food safety, restaurant management, communication skills, and culinary concepts. The laboratory experience is intended to give students hands-on experience working in a professional, commercial kitchen. Students will be required to purchase a chef's coat and appropriate footwear.

Students who have completed the requirements of the ProStart program are awarded an industry-recognized certificate--the Prostart National Certificate of Achievement. To earn the certificate, students pass two national exams, demonstrate a mastery of foundational skills and work 400 mentored hours. Students who receive the certificate are eligible for NRAEF scholarship opportunities and course credits at more than 75 of the country's leading hospitality and culinary arts colleges and universities.

H73722 PROSTART II

Year 1 Unit

Grade Levels 11-12

Recommendation: Successful completion of Prostart I with a 70% or better.

ProStart II is the second year of the two-year comprehensive ProStart program. In the second year, students will continue their classroom studies on the restaurant and foodservice industry. Accounting, cost-control, and the decision-making process are just a few of the

topics covered in the second year. Students will continue to deepen their knowledge of culinary concepts and gain additional hands-on experience in the culinary lab. Participating in the ProStart program opens the door to a vibrant and growing industry. A chef's coat and appropriate footwear must be purchased for the lab and catered events.

National Restaurant Association Foundation ProStart National Certification requires students to:

- Complete ProStart I and II with a minimum grade of a C.
- Pass both level 1 and 2 national tests with a minimum grade of C or better
- Complete 400 mentored hours in industry
- Have 70% of the student competency checklist items checked off by industry mentor and ProStart instructor

H73724 THE DEN

Year 1 Unit

Grade Levels: 11-12

Prerequisite: Application and approval letter from instructor

Welcome to The DEN-RayPec High School's new catering service for events in the Raymore-Peculiar School District. Students who enroll in The Den will play a role in running our catering business; menu planning, costing, food preparation and management are just a few of the skills students will walk away with. Hours spent catering events can be used towards the 400 hours necessary for the ProStart National Certification. This class can be taken simultaneously with ProStart II, and may be taken during the junior AND senior year if the student chooses. Students must go through and application process and receive an approval letter from the instructor before they can enroll.

H7313 INTRODUCTION TO CAREERS IN HUMAN SERVICES

Semester 1/2 Unit

Grade Levels: 9-12

This course is an introduction to the variety of careers within the Human Services Pathway. Students who hold an interest in public service, protective service (police/firemen), social work, counseling, nursing, teaching and/or training will explore these trades with hands-on activities and real-world scenarios. Students will not only learn, practice and develop soft skills that employers demand in today's workplace, but also have an opportunity to explore post-secondary education options for a chosen career in one of these careers. Challenge yourself to make a difference as a leader while exploring this exciting pathway of Human Services.

H7311 PARENTING

Semester 1/2 Unit

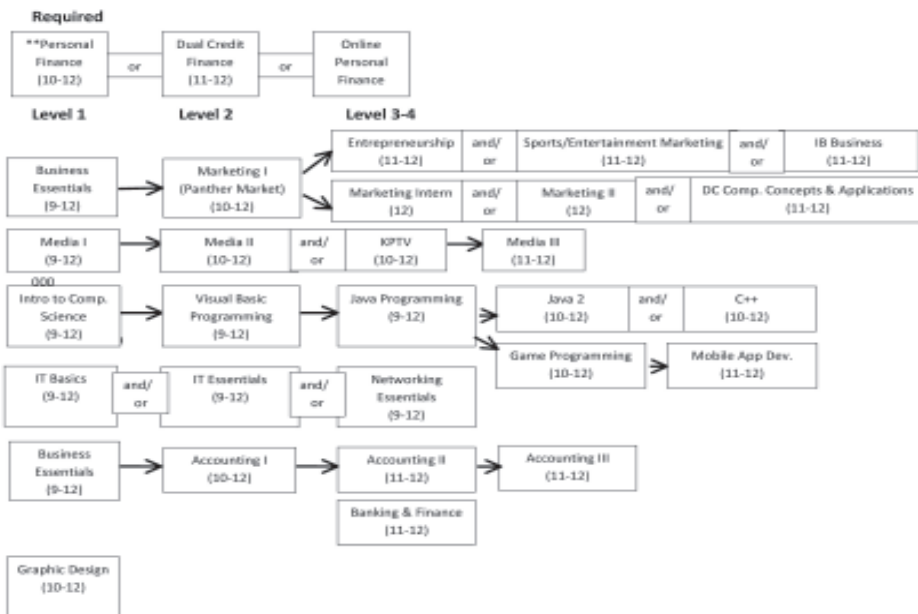
Grade Levels: 10-12

Recommendation: Successful completion of Introduction to Careers in Human Services with a 70% or better.

Business

**The Business Department has one required course that can be satisfied through one of three courses.

All other courses may count for practical arts credit.



This course focuses on building strong families for future generations. Parental responsibilities and readiness will be discussed. This course also focuses on the demands of individuals in a parenting role while focusing on the emotional, physical and cognitive development of children. The “Real Care” Baby simulation will be completed by all students in this course.

H7312 CHILD DEVELOPMENT

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Introduction to Careers in Human Services* with a 70% or better.

In this course, human development will be studied, beginning with conception through prenatal development and ending at the development of a child at age two. The areas of development covered will include physical, emotional, social and intellectual. This course is designed for all students in grades 10-12 and is especially relevant for students interested in careers that utilize knowledge gained to work with young children. The “Empathy Belly” is used as a hands-on learning experience and will be completed by all students in this course. Parent responsibilities and readiness will be discussed. This course is necessary to help prepare students for the IRC/PrePac exam at the end of their senior year.

H7982 ADVANCED CHILD DEVELOPMENT

Semester 1/2 Unit

Grade Levels: 11-12

Recommendation: Successful completion of *Child Development* with a 70% or better

This is an in-depth course studying children from age three to eight. Physical, emotional,

social and intellectual development will be covered. Skills such as guidance, safety, child care options, careers and special needs children will be discussed. Students will be working with a licensed early childhood learning professional at Shull Early Learning Center for the second half of this semester course. Students will apply knowledge gained to create lesson plans, bulletin boards, effective and professional communications with parents and complete a case study over one pre-school student.

H79822 WORKING WITH YOUNG CHILDREN INTERNSHIP

Year 2 Units

Grade Levels: 12

Recommendation: Successful completion of *Advanced Child Development* with a 70% or better

Prerequisite: Complete application with teacher recommendation.

Working with Young Children Internship allows seniors to combine classroom experience with work experience. Students will be placed in a child care facility that has partnered with the high school for two consecutive hours (6th and 7th hours). Students will be expected reports to their child care facility in a timely manner. Students enrolled in this course will be working on developing a capstone in an area of child development or early childhood education and/or the completion of elements that would contribute to the individual's completion of their Child Development Associate and working toward the successful completion of the PrePAC exam. Students who average 10 contact hours will earn 1/2 credit per semester and 1/2 credit per semester for their successful completion of

required coursework assigned throughout each semester. Students must be responsible for providing their own transportation, keeping track of their hours worked, and to get their logged hours signed on a bi-monthly basis. Students will meet once a week during Panther Time and be required to complete class work on Google Classroom.

BUSINESS TECHNOLOGY EDUCATION

H7392 BUSINESS ESSENTIALS

Semester 1/2 Unit

Grade Levels: 9-12

This is an exploratory business course designed to share many of the business and computing experiences available in the job market today. Students will complete a series of units covering accounting, finance, programming, web design, graphic design, video & multimedia production, marketing, computer operating systems and computer networking. Senior students may enroll in this course 2nd semester concurrently with COE or Marketing Internship. Students enrolled in COE or Marketing Internship will meet the COE or Marketing Internship coordinator on a weekly basis during Panther Time.

H7570 MARKETING I

Year 1 Unit

Grade Levels: 10-12

Prerequisite: 90% attendance and a 2.5 GPA to work in the Panther Market; successful completion of *Business Essentials* is recommended.

This course is designed to introduce students to broad applications of marketing in all career fields. Topics include pricing, selling, the marketing mix and inventory control. Students will design advertisements, sales promotions and focus on customer service while operating the Panther Market. DECA is a co-curricular club in which students participate. Seniors students may enroll in this course concurrently with Marketing Internship. Students enrolled in Marketing Internship will meet with the internship coordinator on a weekly basis during Panther Time.

H7382 ENTREPRENEURSHIP (THE PANTHER MARKET)

Year 1 Unit

Grade Levels: 11-12

Prerequisite: Marketing 1, 90% attendance and a 2.5 GPA to work in the Panther Market

Learn how to organize and manage your own business or someone else's. Discover how new products, ideas and services are researched, developed, successfully promoted and obtained. Basic financial records, human resources management and skills necessary to effectively lead and supervise other will be discussed. Students will rotate through several shifts in the Panther Market to gain business experience that vary day to day. Students will be responsible for management operations, merchandising, marketing research

and product development, and multiple sales transactions. Students will have the opportunity to obtain their food handlers license. Students will join the association for marketing students, known as DECA. Senior students may enroll in this course concurrently with Marketing Internship. Students enrolled in Marketing Internship will meet with the Internship coordinator on a weekly basis during Panther Time.

H7574 SPORTS & ENTERTAINMENT MARKETING

Semester 1/2 Unit
Grade Level: 11-12
Prerequisite: Marketing I

This course is designed to explore the sports and entertainment industries, their economic impact, products, management, pricing, promotion, sponsorship, legal issues and career opportunities. This class will take a look at college, amateur and professional sports, the entertainment industry and recreation marketing. Students will join the Association of Marketing Students known as DECA. The units of instruction are supported through active participation in DECA and DECA's competency based competitive events. Senior students may enroll in this course 2nd semester concurrently with Marketing Internship. Students enrolled in Marketing Internship will meet with the Marketing Internship coordinator on a weekly basis during Panther Time.

HI272 IB BUSINESS MANAGEMENT YEAR 1 UNIT

Grade Level: 11-12 Weighted

The business management course is designed to develop students' knowledge and understanding of business management, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors and key characteristics of business organization, human resource management, finance and accounts, marketing, and operations management. Students will join the Association of Marketing Students known as DECA. The units of instruction are supported through active participation in DECA and DECA's competency based competitive events.

H7572 MARKETING II

(Articulated Credit in BSAD 205-MCC)

Year 1 Unit
Grade Level: 12
Prerequisite: Marketing I is required.

Sports & Entertainment, Entrepreneurship or IB Business Management is recommended.

This course is designed to emphasize marketing research, promotion, selling, new product development, employment and human relations in business. Marketing students will join the Association of Marketing Students known as DECA. The units of instruction are supported through collaborative learning as-

signments and active participation in DECA. Students may receive articulated credit in BSAD 205 through Metropolitan Community College (MCC) upon successfully completing both semesters earning at least an 80% in the course each semester. MCC then holds the credit until 15 credit hours are earned with MCC. Students have up to two years to claim this credit. Senior students may enroll in this course concurrently with Marketing Internship. Students enrolled in Marketing Internship will meet with the Internship coordinator on a weekly basis during Panther Time.

H0972 MARKETING INTERNSHIP

Year 1/2-2 Units
Grade Level: 12
Prerequisite: 90% attendance

Marketing Internship allows seniors to combine classroom instruction with work experience. Students must be employed in a marketing related job. Students must be enrolled in Marketing I, Entrepreneurship or Marketing II to enroll in Marketing Internship. Students will complete internship assignments and keep track of their work schedules. Students will be allowed to leave after 4th period or later to report to their worksite. Students who average 10-19 hours per week earn ½ credit per semester and students who average 20+ hours per week earn 1 credit per semester with required documentation. Requirements: Students are responsible for obtaining their own job and providing their own transportation to work. Students will be required to meet during Panther Time with the Marketing Internship coordinator on a weekly basis. Students joining the course second semester will enroll in Business Essentials or Sports & Entertainment Marketing.

H7562 COOPERATIVE OCCUPATIONAL EDUCATION—COE

2nd Semester 1/2 -1 Units
Grade Level: 12
Prerequisite: 90% attendance

COE allows seniors to combine classroom instruction with work experience. Students must be enrolled in Business Essentials second semester to enroll in COE. Students will complete occupational assignments and keep track of their work schedules. Students will be allowed to leave after 4th period or later to report to their worksite. Students who average 10-19 hours per week earn ½ credit per semester and students who average 20+ hours per week earn 1 credit per semester with required documentation. Requirements: Students are responsible for obtaining their own job and providing their own transportation to work. Students will be required to meet during Panther Time with the COE coordinator on a weekly basis.

HN7524 DUAL CREDIT COMPUTER CONCEPTS AND APPLICATIONS

(CIS 1600: Computer Concepts and Applications)

Semester 1/2 Unit
Grade Levels: 11-12 Weighted, 3

hours of College Credit

Prerequisite: GPA of 3.0 or higher

This course provides basic technology skills needed for success in college-level coursework and career preparation. Topics include file management on local, network and cloud-based storage media. Additional topics include word processing, spreadsheet, database, and presentation software as well as navigation of web-based information, data security and personal information assurance. Three hours of dual college credit may be earned through the University of Central Missouri (CIS1600): tuition will be paid directly to the university in order to receive college credit.

H7452 ACCOUNTING I

Year 1 Unit
Grade Levels: 10-12

This course provides an understanding of the basic elements and concepts of double-entry accounting systems. Activities include the accounting equation, the accounting cycle, basic computerized accounting, (using Aplia.com and Microsoft Excel), entering transactions in payroll systems, banking activities, taxes, etc. This class is essential for students who choose the accounting and/or finance career pathways.

HN7462 DUAL CREDIT ACCOUNTING II

(ACCT 2100: Survey of Accounting)

Year 1 Unit
Grade Level: 11-12 Weighted, 3
Hours of College Credit

Prerequisite: A grade of a B- or better in Accounting I and a 3.0 GPA

This is an intensive year-long course. ACCT 2100 Survey of Accounting (3) Study of elementary financial and managerial accounting to include the preparation and use of accounting statements and use of accounting information for managerial decisions. Three hours of dual college credit may be earned through the University of Central Missouri during the spring semester (ACCT 2100); tuition will be paid to UCM in order to receive college credit.

H7454 ACCOUNTING III

The Daily Grind

Year 1/2 Unit
Grade Level: 11-12

Prerequisite: Instructor Approval & Concurrent or Successful Completion of DC Accounting II

Students will run and operate all aspects of the RP Daily Grind coffee shop by maintaining detailed and accurate financial records and keeping track of sales. Students will use the Square (Point of Sale) provides information to forecast future sales and determine product movement. The daily sales reports, monthly sales report, general journal, general ledgers, worksheet, income statement, statement of changes in equity, balance sheet and inventory are all the responsibilities of these students. Students will work towards Microsoft Excel Specialist Certification. Stu-

dents may enroll in Accounting III multiple times which will allow them to continue with their Microsoft Office Specialist certification. The next certification will be Word, Access and finally Power Point.

H7402 PERSONAL FINANCE

Graduation Requirement

Semester 1/2 Unit

Grade Levels: 10-12

(Recommended for 11th or 12th grade)

A calculator is required.

Personal Finance provides instruction on money management skills which includes credit, investments, banking, budgeting, finance of housing/automobiles, taxes and consumer purchases. Students will also learn how to protect themselves against risk and financial loss.

H74021 ONLINE PERSONAL FINANCE

Semester 1/2 Unit

Grade Level(s) 10-12

Prerequisite: Students must have access to the Internet at home

This class will mirror the regular personal finance class, but everything will be done on Edmodo.com. There will be one class meeting at the start of the year to make everyone understands how to access the online site. The rest of the class will be done online. This class is ideal for students who are self-disciplined and complete work on their own.

H7851 BANKING & FINANCE

Semester: 1/2 Unit

Grade Levels: 11-12

Students will learn basic economics, political systems, and different investment strategies. The course will cover the different types of stock, bonds, and mutual funds along with various types of retirement accounts and taxes that investors deal with on a daily basis. Students will also be given the opportunity to play the stock market game as a long-term investor and as a day trader. The course will cover business financial matters such as business cycles, opportunity costs, cost-benefit analysis, methods of financing businesses, loans, stocks and bonds, profit and loss and others.

HN7482 DUAL CREDIT FINANCE

(FIN 1820: Personal Finance GE)

Semester: 1/2 Unit

Grade Levels: 11-12 Weighted, 3 Hours of College Credit

Prerequisite: Banking & Finance is Recommended

This class is for the student who desires information on managing his/her own personal income. The course will provide instruction on money management skills which includes credit, investing, banking budgeting, finances or housing/ automobiles, taxes and consumer purchases. Students will also learn to protect themselves against risk and financial loss. Three hours of dual college credit may be earned through the University of Central Missouri (FIN 1820); tuition will be paid directly to the university to receive college

credit. This course meets Missouri's personal finance course requirement.

H79971 MEDIA I

Semester 1/2 Unit

Grade Level: 9-12

This course is an introduction to video editing. Students will learn Final Cut Software, iTunes, and learn to work with You Tube. Students will be given the hands on opportunity to work with cameras, tripods, sound equipment, and green screens in order to complete classwork assignments. All of the projects are typically done in class therefore making attendance imperative for success in this program.

H79973 MEDIA II

Year 1 Unit

Grade Level(s) 10-12

Prerequisite: Successful completion of Media I

This is the advanced course in video editing using the Final Cut X software package. Students will be expected to complete tutorials, commercials, music videos, and movie scenes, while also enhancing their photo editing skills. There are "outside of school" requirements to film sporting events and/or gather footage for the senior video. There is a lot of group work to go along with individual tasks throughout the year, and attendance is expected in order to complete projects.

H32041 KPTV PANTHER TELEVISION

Year 1 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of Media I

This is the news broadcast class that works with the journalism department to create news videos for the school and raypecnow.com website. Students will get to be reporters, camera operators, and editors in order to put together news stories that are happening around the district. Students will have to come up with story ideas, learn what constitutes news, and learn the difference between what's good for a video package compared to a print package. Work will be posted to their YouTube account and to RayPecNow.com.

H79974 MEDIA III

Year 1 Unit

Grade Levels: 11-12

Prerequisite: KPTV or Media II

This is a broadcast class that will complete a weekly show. Show options could include, but are not limited to a morning show, game show, sports broadcast, and/or news anchoring. There will be outside of school responsibilities so students need to make sure that they can participate in the evenings of some varsity events. Students will be expected to work as a team to complete the show. Opportunities in the class will include working with video cameras, a video mixer, an audio board, and/or being the talent in front of the camera. This class will be taught concurrently with KPTV. Leadership skills and collaboration with the KPTV students will be an expected roll.

H7912 GRAPHIC DESIGN

Semester 1/2 Unit

Grade Level: 10-12

Prerequisite: Media I is Recommended

Students enrolled in Graphic Design will use Adobe Photoshop and Microsoft Publisher in learning publishing concepts. An emphasis will be placed on working independently and using creativity to produce a student portfolio.

H7543 INTRO TO COMPUTER SCIENCE

(formerly Computer Programming I)

Semester 1/2 Unit

Grade Levels: 9-12

This course is designed for the beginning programmer without any programming experience. Both structured programming and object-oriented design methods will be introduced. The students will learn to create their own GUI (Graphical User Interface) applications using MIT's Scratch, App Inventor, and Python.

H75501 VISUAL BASIC PROGRAMMING

Semester 1/2 Unit

Grade Levels: 9-12

Prerequisite: Instructor approval or Successful completion of Intro to Computer Science

This course introduces fundamental programming concepts using the Visual Basic .NET programming language. Content includes fundamentals of structured programming, arithmetic calculations, decision making, looping, data input and output, numeric and string variables, functions and procedures and arrays. Programming projects includes basic computer games and practical applications. Students will also explore career options in the field of computer science.

H75502 JAVA PROGRAMMING I

Semester 1/2 Unit

Grade Levels: 9-12

Prerequisite: Successful completion of Visual Basic Programming

This course is designed for those students seeking additional programming experience while still in high school. Take what you learned programming in Visual Basic.Net and apply those skills using the Java language, which has become the programming standard for Computer Science majors and application development communities. This course is a half-year course designed to teach programming fundamentals in Java. Students will gain experience with object-oriented programming and project-based learning utilizing ideas of computer graphics and game programming and its application in building functional programs.

H75503 JAVA PROGRAMMING II

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: A grade of a B- or better in Java Programming I

Java Programming II is a higher level study

of many advanced Java topics including data structures, file I/O, exception handling, graphics user interface programming, and object-oriented design/programming. Students may take the Java Level 1 Certification at the conclusion of this course.

H75504 GAME PROGRAMMING

Semester 1/2 Unit
Grade Levels: 10-12

Prerequisite: Instructor approval or a grade of a B- or better in both Visual Basic Programming and Java Programming I

If you love games and want to learn how to make them, then this course will start you down that path. Making games is a creative and technical art form. In this course you will familiarize yourself with the tools and practices of game development. You will get started developing your own video games using the industry standard game development tools, including the Unity3D game engine and C#. At the end of the course you will have completed several hands-on projects and will be able to leverage an array of game development techniques to create your own basic games. This course is for individuals interested in becoming a game designer, game artist, or game programmer.

H75505 MOBILE APPLICATION DEVELOPMENT

Semester 1/2 unit
Grade Level: 11-12

Prerequisite: Instructor approval or successful completion of Game Programming

Students learn how to develop applications for mobile devices, including smartphones and tablets. Students are introduced to the survey of current mobile platforms, mobile application development environments, mobile device input methods, as well as developing applications for two popular mobile platforms. Students will design and build a variety of Apps throughout the course to reinforce learning and to develop real competency.

H780 C++ PROGRAMMING I

Semester 1/2 Unit
Grade Levels: 10-12

Prerequisite: A grade of a B- or better in Java Programming I or Java Programming II

CPA: Programming Essentials in C++ covers basic C++ programming skills and object-oriented programming while introducing universal computer programming concepts. Learn to write your own computer programs using one of the most popular programming languages, and prepare for the C++ Certified Associate Programmer Certification (CPA) from the C++ Institute. Students will learn the syntax, semantics, and basic data type of C++ and understand the principles of the object-oriented model and learn how to implement it in C++. The course will conclude with resolving typical implementation challenges with the help of standard C++ language libraries to apply the learned programming skills to write your own computer programs.

H781 IT BASICS

Semester 1/2 Unit
Grade Levels: 9-12

Prerequisite: Recommended to take with Networking Essentials

This course is an introduction to cybersecurity, computing, operating systems & networking. Students will learn how to identify different types of computer systems, components, printers, and other devices as well as understand Microsoft Windows and how to work with files and folders from a network management perspective. Students will be introduced to the Internet of Things (IoT) and how the world of technology is digitally transforming our daily lives using big data. Students will also learn the basics of the Linux operating system. The course will conclude with an overview of how to use one's technology skills to build their entrepreneurship opportunities.

H782 NETWORKING ESSENTIALS

Semester 1/2 Unit
Grade Levels: 9-12

Prerequisite: Recommended to take with IT Basics

This course introduces a variety of topics to build students' skills and understanding of networking. The course also introduces networking devices and the Cisco IOS® software. Students will learn how networks are set up, how devices are configured, how communication takes place on a network, and the basics of implementing network security best practices which will enhance the students' confidence in communicating their knowledge and work in networking-related professions. This course includes activities that expand on the course material presented. Upon completion of this course, the end-of-course survey, and the end-of-course assessment, the student will receive a Certificate of Completion.

H7821 IT ESSENTIALS

Semester 1 Unit
Grade Levels: 9-12

Prerequisite: IT Basics &/or Networking Essentials are Recommended

The RPHS RePair Team is a tech support internship designed to support the 1:1 technology initiative. Students will begin this course by becoming an Acer Certified Technician. Students get experience working in our student ran tech support center. This program has 3 main objectives: support students through troubleshooting and repair, support faculty and staff with technology needs, and pursue independent learning pathways. IT Essentials covers fundamental computer and career skills for entry-level IT jobs. The IT Essentials course includes hands-on labs that provide practical experience to prepare you for enterprise networking. Simulation tools help you hone your troubleshooting skills and practice what you learn. This course helps you to develop working knowledge of how computers and mobile devices operate, identify common security threats and vulnerabilities like malware, phishing, spoofing and social engineering, apply skills and procedures to install, configure, and troubleshoot computers, mobile devices, and software and finally, develop critical thinking and problem solving skills using both real equipment and Cisco Packet Tracer, a network configuration simulation tool.

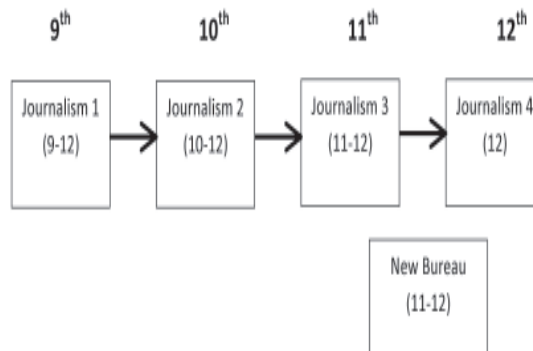
H32201 JOURNALISM 1

Year 1 Unit
Grade Levels: 9-12

The course provides each student with an introduction to the skills used in student media. Students will prepare to work on the school publications. The class will address reporting, writing, copy editing, basic photography, skills in design and layout. In order to enroll in subsequent journalism courses you must



****The courses below do not count towards the required four credits of Communication Arts.**



pass this course with a C or better and complete an application in room 202.

H32202 JOURNALISM 2

Year 1 Unit
Grade Levels: 10-12
Prerequisite: Journalism 1

Students in this course will work for the student media team, RayPecNOW. Students will build upon skills developed in Journalism 1 as well as address a deeper understanding for student media. In this course time will be specifically dedicated to refining story angles, writing features and profiles, telling stories through photography with emphasis on composition and lighting, and packaging photography and writing through design and layout. Students should be advised this course will require time outside of the class to complete assignments.

H32203 JOURNALISM 3

Year 1 Unit
Grade Levels: 11-12
Prerequisite: Journalism 2

Students in this course will work for the student media team, RayPecNOW. Students will build upon skills developed in Journalism 1 and 2 as well as address a deeper understanding for student media. In this course time will be specifically dedicated to refining skills in sports reporting, opinion writing, social media reporting, photo editing, multimedia storytelling, alternative storytelling using infographic sources and digital publication. Students should be advised this course will require time outside of the class to complete assignments.

H32204 JOURNALISM 4

Year 1 Unit
Grade Levels: 12
Prerequisite: Journalism 3

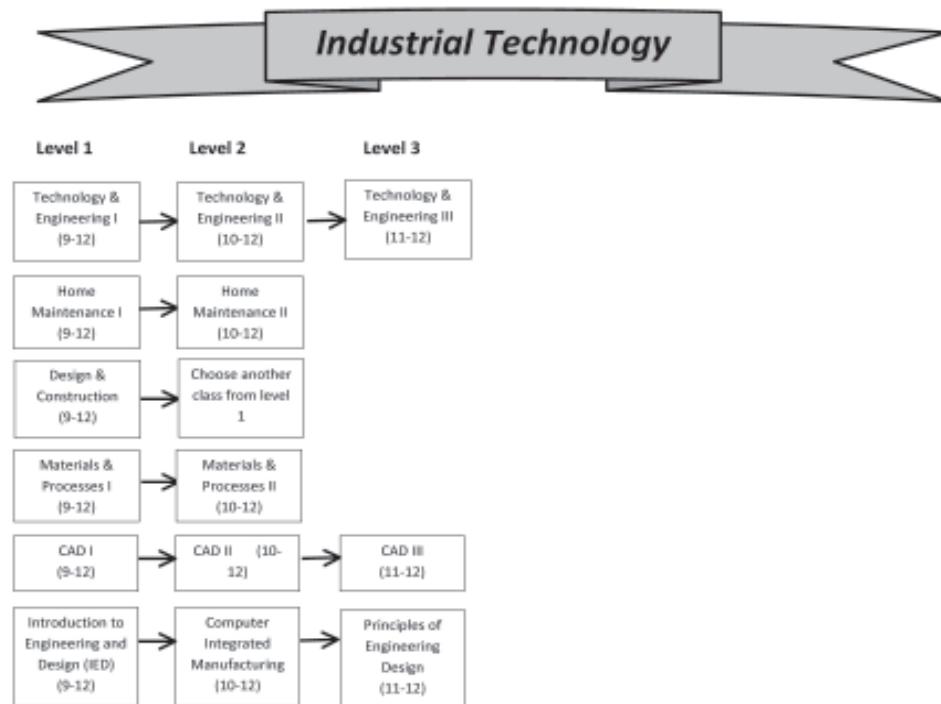
Students in this course will work for the student media team, RayPecNOW. Students will build upon skills developed in Journalism 1-3 as well as address a deeper understanding for student media. In this course time will be specifically dedicated to refining skills in coaching writers, editorial leadership, branding, photo management, editorial policy, theme development, and deadline management. Students should be advised this course will require time outside of the class to complete assignments.

H3221 NEW BUREAU

Semester 1/2 Unit
Grade Levels: 11-12

Prerequisite: Recommendation by communication arts teacher or experience in journalism courses as well as a completed application found in room 202.

News Bureau will provide students with an introduction to public relations work. Students will write press releases, develop publicity plans for school events and design various newsletters. The class will act as an intermediary between the community and the high school by providing information to both internal and external media. Repeatable for credit.



In the junior/senior year, students may explore Cross Career Center options.

INDUSTRIAL TECHNOLOGY EDUCATION

H7611 CAD I

Year 1 Unit
Grade Levels: 9-12

CAD I (Computer Aided Drawing) is designed to provide the student with fundamental knowledge and skills in CAD and engineering. Students will develop math and measuring skills as they relate to the industry. Orthographic Projection will be used to create multi-view, isometric and section views applying ANSI (American National Standards Institute) and ISO (International Standards Organization) standards for mechanical drawings using AutoCAD. Experiences, knowledge and skills acquired in this class will be a valuable asset to those seeking careers in engineering, technical engineering, manufacturing and industrial fields.

H7621 CAD II

Year 1 Unit
Grade Levels: 10-12

Prerequisite: C or better in CAD I

CAD II is offered for those who wish for additional training and experience in CAD (Computer Aided Drawing). CAD II will be a continuation of CAD I building on the use of descriptive geometry to create mechanical drawings using AutoCAD. The student will now be instructed in the use of auxiliary views, pattern development, threads and fasteners, gears and cams. The student will complete all drawings applying ANSI (American National Standards Institute) and ISO (International Standards Organization) standards as used in manufacturing industries.

H76211 CAD III

Year 1 Unit
Grade Levels: 11-12

Prerequisite: C or better in CAD II

CAD III is a class designed for the student who may be interested in pursuing a career in engineering and/or architecture. CAD III will focus on previously learned procedures and standards but students will now apply them using different software. Three dimensional (3D) parts and features will be created using the AutoDesk Inventor program. AutoDesk Revit will be utilized to create architectural drawings. The architectural portion of the course will deal with principles involved in site selection, room planning, exterior styling and designing structural elements of residential dwellings.

H76622 TECHNOLOGY & ENGINEERING I

Semester 1/2 Unit
Grade Levels: 9-12

The Technology I course gives students the opportunity to investigate technology through project based activities. This hands-on-class will concentrate on several of the main technology areas including: communication, manufacturing, construction, and other current technologies. Each topic will involve a student produced project.

H76722 TECHNOLOGY & ENGINEERING II

Semester 1/2 Unit
Grade Levels: 10-12

Prerequisite: Strongly recommend a C- or better in Technology & Engineering I

This is an advanced exploratory course where students will be introduced to technology

which promotes technical literacy. The focus of this course will be hands-on construction of projects and literacy relevant in today's technological world. Projects are designed to include several construction processes. Students will receive instruction in woodworking, soldering, sheet metal layout and manufacturing, gear application and sketching to build a motorized RC Slot car.

H76723 TECHNOLOGY & ENGINEERING III

Semester 1/2 Unit

Grade Levels: 11-12

Prerequisite: Strongly recommend a C- or better in Technology & Engineering II

Technology & Engineering III will expand the knowledge of students garnered in Technology & Engineering I and II. The focus of this course will cover three main technology areas: power and energy and small engine maintenance. The power and energy unit will focus on solar and wind power projects. The small engine unit will incorporate the use of small engine disassembly and assembly.

H7742 MATERIALS & PROCESSES I

Semester 1/2 Unit

Grade Levels: 9-12

Students will be involved in a variety of activities that deal with two principal material types: woods and metals. The student will also be given information required to use hand and power tools safely and effectively. A variety of techniques will be used to construct projects that not only teach about the materials but also about the processes needed to construct them. This course is designed to build upon and apply what has been learned in other academic areas such as science and math. Potential projects: tool tray, cell phone holder, cast pewter object, wooden pen, segmented basket, and a roll top wooden bread box.

H7751 MATERIALS & PROCESSES II

Year 1 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of Materials & Processes I

Students will be involved in a variety of advanced activities dealing with various materials used in industry such as wood, metal, plastic, composites and glass. Use of machine tools such as engine lathes, mills and precision-measuring devices will be utilized. Students will be encouraged to build upon principles and knowledge learned in Materials and Processes I such as design concepts, safe use of tools and equipment, and material selection. Students will be introduced to industry concepts such as mass production, quality control and precision inspection. Projects: sheet metal barbecue grill, round top double twist pen, machinist hammer, plastic laminate cabinet and tapered ringed bowl. Strongly recommend a C- in Materials & Processes I.

H7772 DESIGN & CONSTRUCTION

Semester 1/2 Unit

Grade Levels: 9-12

Students will be given challenges to conduct, investigate, research and apply practical knowledge. Students will use ingenuity and creativity to create solutions to problems. Activities will include designing and building a balloon vehicle, balsa wood bridge, mini-cata-pult/trebuchet. Students will work as individuals on some assignments and as a team member on others. Materials and Processing and/or CAD will be helpful but not required.

H7781 HOME MAINTENANCE & REPAIR I

Semester 1/2 Unit

Grade Levels: 9-12

This course is designed and taught as a life skill course that is applicable to all students. Students will learn information needed to understand and use hand tools, power tools, fasteners and assorted building materials for the maintenance, repair and improvement of the home. The students will learn safe use of tools and the current most effective repair practices. The student will gain knowledge of the various systems and structures within the home that require routine maintenance. This course is structured so that the students will learn how to improve a home rather than just repair it. Areas covered are drywall, electrical, wallpaper, vinyl, flooring, painting, tile, trim, and adhesives.

H77811 HOME MAINTENANCE & REPAIR II

Semester 1/2 Unit

Grade Level: 10-12

Prerequisite: Successful completion of Home Maintenance and Repair I

This course is designed as an advanced life skills course that is applicable to students pursuing further in-depth knowledge about home repairs. Students will build upon the knowledge and principles learned in the prerequisite class, Home Maintenance and Repair I, relating to equipment, safe use of tools, maintenance and repair. The students will learn the current and most effective repair practices associated with doors and windows, home security, roofing, plumbing, concrete and masonry, insulation and weatherization. Student knowledge will be gained by demonstrations and project based activities. Strongly recommend a C- in Home Maintenance & Repair I.

HN7790 INTRODUCTION TO ENGINEERING AND DESIGN (IED)

Year 1 Unit

Grade Levels: 9-12

Prerequisite: Successful completion of Algebra I or concurrently taking Algebra I.

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. This is the first course in the Project Lead the Way engineering pathway. This course can be taken for three hours of dual credit through Wichita State.

H77910 COMPUTER INTEGRATED MANUFACTURING (CIM)

Year 1 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of IED

This course is designed to expose students to the fundamentals of computerized manufacturing technology. The course is built around several key concepts: Computer Modeling-using a three dimensional, solid modeling software package with mass property analysis. CNC Equipment - understanding the machine tools and its operating and programming aspects. CAM Software - converting computer generated geometry into a program to drive CNC machine tools. Robotics-using a robot for materials handling and assembly operations. Flexible Manufacturing Systems - working in teams to design manufacturing work cells and tabletop factory simulations

H7791 PRINCIPLES OF ENGINEERING (POE)

Year 1 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of IED

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. This is an additional course in the Project Lead the Way pathway.

FINE ARTS OFFERINGS

The mission of the Visual Arts Program is to provide students a solid foundation in the visual arts, which includes knowledge of the processes and techniques of art production, arts in historical and cultural contexts, and criticism of art and its aesthetics in the everyday world.

The mission of the Theatre program at RPHS is to provide quality learning opportunities for students interested in the performance, technical, and literary aspects of professional theatre production.

The mission of the (Vocal/Instrumental) Music Program is to develop a student's musical skills to the highest degree possible through practice, performance and competition so as to provide them with a lifelong appreciation for the necessity of music in our lives, the arts in general and to prepare them for continued study at the college level if they choose.

VISUAL ARTS

LEVEL I

H7000 ART HISTORY

Semester 1/2 Unit

Grade Levels: 10-12

Discover the history of the visual arts. Students will be exposed to a rich and diverse timeline of various art movements, styles, works and artists. Methods of instruction include lecture, discussions, note taking, testing and projects geared toward each unit.

H7002 ELEMENTS OF ART

Semester 1/2 Unit

Grade Levels: 9-12

In this course, students will develop their skills using the seven elements of art. Students should expect to complete projects involving perspective drawing, figure drawing, ceramics, and painting. In addition to projects, students will think about art critically and learn about artists and their theories.

LEVEL II

H7012 PRINCIPLES OF DESIGN

Semester 1/2 Unit

Grade Levels: 9-12

Prerequisite: Successful completion of *Elements of Art*.

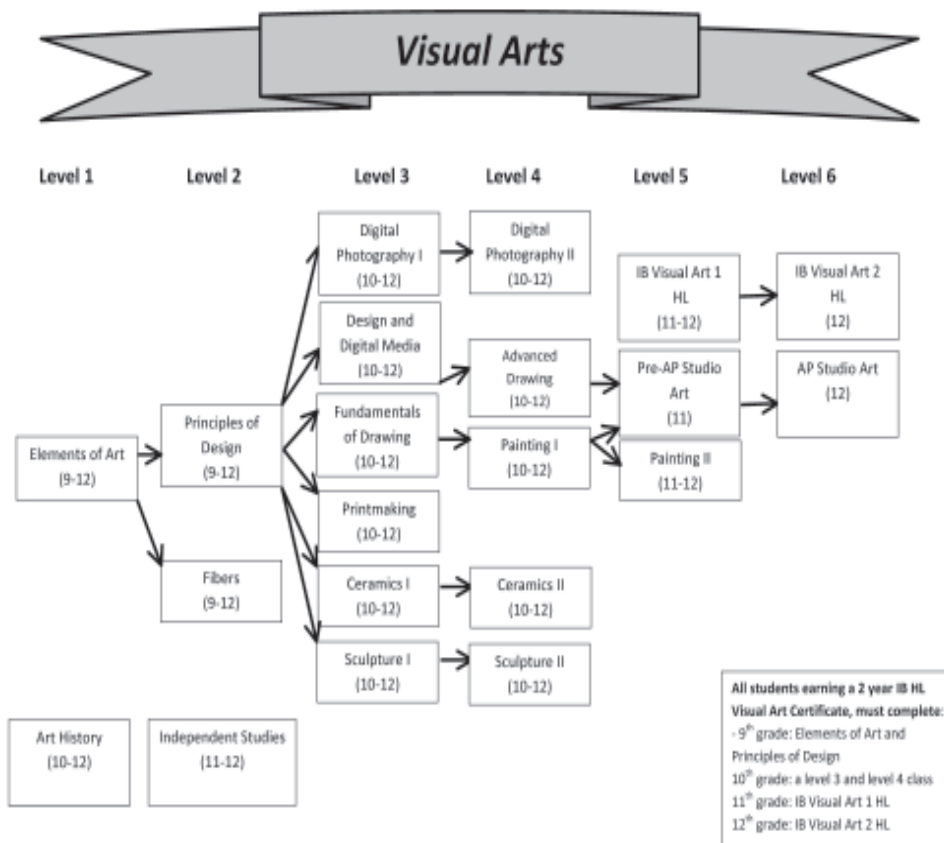
In this course, students will build their skills from the *Elements of Art* course by learning about the six principles of design. Students should expect to complete projects involving drawing, portraiture, printmaking, paper mache' and painting. Students will think about art critically, take notes on concepts and artists and be test on the material they learn.

H7041 FIBERS

Semester 1/2 Unit

Grade Levels: 9-12

Prerequisite: Successful completion of *Elements of Art* with a passing grade
This visual arts class explores the "Lost Arts": fabric dyeing, quilting, weaving and paper-making and felting.



LEVEL III

H70152 DIGITAL PHOTOGRAPHY I

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Elements of Art & Principles of Design* with passing grades. A digital camera and flash drive is required along with spending time outside of class taking photos.

Using the artistic eye through digital photography and photo manipulation, students will use the elements and principles of art to capture images. Students will be exposed to the concepts that make a quality, fine art photograph. Various subject matters and photography styles will be covered and Photoshop will be introduced.

H7022 FUNDAMENTALS OF DRAWING

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Elements of Art & Principles of Design*

This course is for the student wishing to further develop and refine drawing skills already in place. Direct observation and still life drawing will be used while exploring various black and white mediums. Students will be required to keep a drawing kit used every class period, and draw in class daily.

H70510 DESIGN AND DIGITAL MEDIA

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Elements of Art & Principles of Design*

This course will focus on design concepts and visual communication. Basic layout

design, typography, logo construction and advertising design is explored with handcrafted and computer aided projects. Strong emphasis is placed on meticulous, professional craftsmanship.

H7132 CERAMICS I

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Elements of Art & Principles of Design*

This class is designed to build a strong foundation in hand-building methods. Students will create projects using the slab, coil, pinch and drape method. After completion of this class, students will have an understanding of glazes, surface decoration techniques and clay as a medium. Earthenware will be the medium used.

H7082 SCULPTURE

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Elements of Art & Principles of Design*

In this class students will create three-dimensional works of art using a variety of additive and subtractive techniques. Projects include cardboard, found objects and other sculptural material.

H7053 PRINTMAKING

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Elements of Art & Principles of Design*

This course will encourage students to experiment with a wide range of printing techniques from the past and present. Students will learn traditional techniques of relief and etching to "pull prints". Inventive approaches, including the use of rubbing, stamping, monotypes, stencils, and silk screening will be explored.

LEVEL IV

H7962 CERAMICS II

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Elements of Art, Principles of Design and Ceramics I*

In this course, students will continue developing hand-building skills as well as create pottery on the potter's wheel. Students will critique works made in Ceramics II; higher expectations will be placed on craftsmanship and creativity.

H7092 SCULPTURE II

Semester 1/2 Unit

Grade levels: 10-12

Prerequisite: Successful completion of *Elements of Art, Principles of Design and Sculpture I*.

In this course, students will delve deeper into the world of sculpture. After Sculpture I, students have a brief understanding of concepts. In Sculpture II, they will do more with artist research as well as more difficult projects such as carving in the round, wire sculptures and mobiles.

H70153 DIGITAL PHOTOGRAPHY II

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Elements of Art & Principles of Design and Digital Photography I*

In this course, students will expand on their knowledge of photography while creating a digital portfolio of their work. Shooting photos outside of class will be required along with owning a digital camera and SD card. Many outlets of expression through images will be explored along with making statements through photography.

H7062 PAINTING I

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: *Elements of Art, Principles of Design, and Fundamentals of Drawing*

In this class students will explore a range of painting mediums and techniques while studying a variety of painting styles. Strong drawing skills and self motivation are essential in this course. Students will explore various subjects while painting on diverse grounds and learning about paint preparation and presentation.

H7023 ADVANCED DRAWING

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Elements of Art, Principles of Design, and Fundamentals of Drawing*

This course provides students with additional approaches to drawing. Students will experience in-depth visual concepts, color applications, various media and techniques during the first twelve weeks. The last six weeks, students will produce works from their imagination using their style as a stepping stone.

LEVEL V

H706320 PRE AP STUDIO ART

Year 1 Unit

Grade Level: 11

This course is recommended for students who intend to take AP Studio Art.

Prerequisite: Successful completion of *Elements, Principles, Fundamentals of Drawing for 2D/Drawing focus. Ceramics I and II for 3D concentration*

This course is designed for juniors who are interested in applying and interviewing for AP Studio Art: Drawing, 2-D or 3-

D. AP Studio art terms (Quality, Concentration and Breadth) will be introduced. This course is also for juniors that are interested in taking IB Art during the 2015-2016 school year. Students will produce a portfolio that will aid in their AP Studio Art/IB Art submission during their senior year for college credit. A \$50 supply fee is required to be paid by each student.

H70620 PAINTING II

Semester 1/2 Unit

Grade Levels: 11-12

Prerequisite: Successful completion of *Painting I*

This class will build on the skills taught in Painting I and introduce oil medium. Students will learn to stretch and prime a canvas and become more comfortable with both water and oil based mediums.

H7070 INDEPENDENT ART STUDY

Semester 1/2 Unit

Grade Levels: 11-12

Prerequisite: Requires prior approval by teacher

Independent Art Study is an upper level elective art course designed for those students who wish to expand on skills and techniques in one area of art. Students taking the course will establish goals for individual growth, style creation and exploration of their interests in one area of art. After discussing their goals for each 9 week period, the teacher and student will establish an expected number of projects and assignments along with setting due dates for completion. Students must be high self-motivated in order to create original ideas/subject matter and to work at a pace that will stay in alignment with the due dates they have agreed upon with their instructor. Along with studio-based production, students will be assigned other projects that may involve but are not limited to critiquing, writing, reading, researching, presenting and taking a final exam.

LEVEL VI

HN7063 AP STUDIO ART

Year 1 Unit

Grade Levels: 11-12 Weighted

Prerequisite: Successful completion of *Elements of Art, Principles of Design, Fundamentals of Drawing and Painting; art teacher recommendation; portfolio interview*

The Advanced Placement Studio Art/Drawing/2D/3D course is a college-level course in the visual arts. Emphasis is on advanced art skills. This course is intended to offer the student a college-level curriculum in the high school environment. Students who successfully complete the course can request credit from the college or university they will attend.

The awarding of college credit for AP scores is at the discretion of the individual schools. A college board will review a student's portfolio before awarding advanced credit. Pick up portfolio review sheet from the counseling office. There is a \$50 Supply fee for this course.

IB ART COURSES

Students must turn in their portfolio for weighted credit.

HI 2712 IB VISUAL ARTS HL 1

Year 1 Unit
 Grade Level: 11 Weighted
 Prerequisite: Successful completion of a Level 4 Art Class
 Curriculum is similar to that of the SL level except that the quantity of work required is slightly larger and will span over a two year period of time.

HI 27122 IB VISUAL ARTS HL 2

Year 1 Unit
 Grade Level 12
 Prerequisite: Successful completion of IB Visual Arts HL 1
 The second year of the HL program allows for more in depth experimentation and development of artwork. The portfolio must include work completed in at least three different art forms. Students desiring a two year HL are prepared to test at the conclusion of HL Year 2.

PERFORMING ARTS

H7812 INTRODUCTION TO THEATRE

Semester 1/2 Unit
 Grade Levels: 9-12
 This class will serve as a first step in the student's exploration of the art of theatre. Theatre literature, production practices, acting techniques, history and traditions will be studied. We will read plays and perform duet scenes. Taking this class makes the student eligible to take the High School Acting class.

H7282 ACTING

Semester 1/2 Unit
 Grade Levels: 9-12
 Prerequisite: Successful completion of Intro to Competitive Theatre or middle school Theatre Arts
 Acting is a class designed for the student with an interest in performance and acting techniques. The class will feature discussion of the essentials of acting and will provide opportunity for the application of these skills through the preparation of acting scenes. The final project for the course will consist of participation in the presentation of a student-directed one-act play. Completion of Introduction to Theatre enables students to take this course.

H7281 ADVANCED ACTING

Semester 1/2 Unit
 Grade Levels: 10-12
 Prerequisite: Successful completion of Acting
 Advanced acting is a course designed for

students with an intense interest in the art of acting. The course will build on and further skills developed during Acting class. Monologues, scene work, and improvisation will be explored on a deeper level to enhance student abilities and prepare students interested in pursuing theatre beyond the secondary level.

H7242 DIRECTING I

Semester 1/2 Unit
 Grade Levels: 10-12
 Prerequisite: Course enrollment by instructor approval
 Directing I is a special projects class designed for the student with a strong interest in theatre. The class will feature instruction in the basics of directing and will provide students with hands-on opportunities in the direction of scenes. The course will be held in conjunction with a basic acting class which will supply the talent for the various productions.

H7241 DIRECTING II

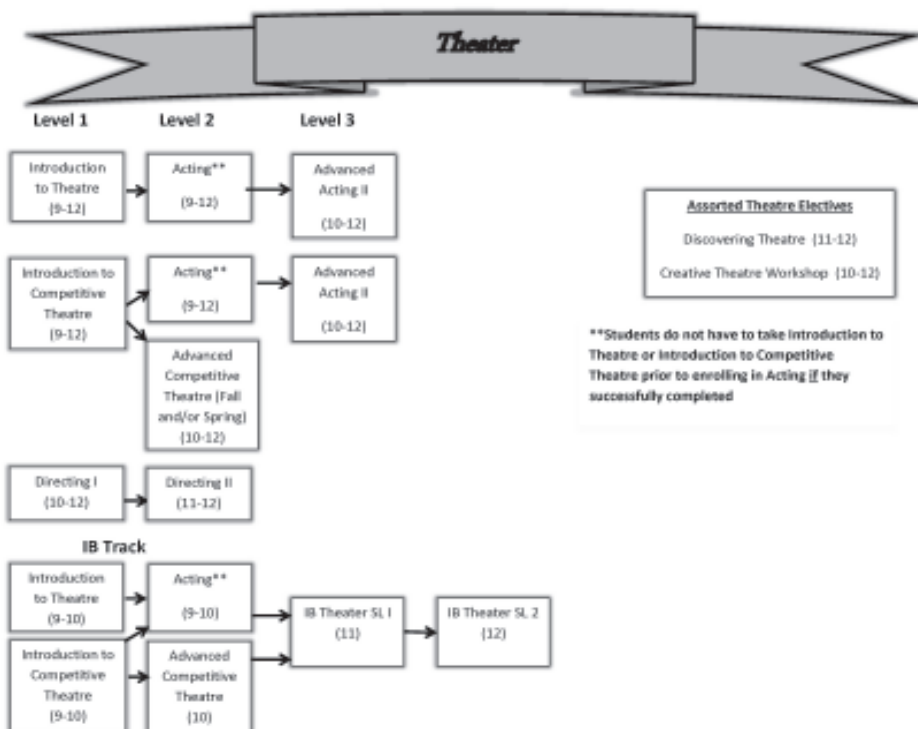
Semester 1/2 Unit
 Grade Levels: 11-12
 Prerequisite: Course enrollment by instructor approval
 Directing II is a special projects class designed for the student who wishes to pursue theatre beyond the secondary level. The class will feature instruction on advanced directing concepts and will provide students with hands-on opportunities to direct play productions. The course will be held in conjunction with an acting class, which will supply the talent necessary for the various productions.

H3322 INTRODUCTION TO COMPETITIVE THEATRE

Semester 1/2 Unit
 Grade Levels: 9-12
 Students will study the presentation of dramatic and humorous interpretations, prose and poetry readings, storytelling, duo interpretation and duet acting. Students will have the opportunity to compete at interscholastic speech contests. Taking this class makes the student eligible to take the High School Acting class.

H3332 ADVANCED COMPETITIVE THEATRE (FALL)

Semester 1/2 Unit
 Grade Levels: 10-12
 Prerequisite: Successful completion of Introduction to Competitive Theatre or consent of the instructor
 Students will study, in detail, the presentation of individual events currently used in forensics competition. Techniques to enhance the performance skills of the competitor will be employed. The individual events prose, poetry, HI, DI, duo,



storytelling, oratory and extemp will be the focus of the class. Students enrolled in the class are expected to attend interscholastic forensics competitions. This class is repeatable for credit.

H3333 ADVANCED COMPETITIVE THEATRE (SPRING)

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of Introduction to Competitive Theatre and competition at three interscholastic high school forensics tournaments or audition for the instructor

Students will study, in detail, the presentation of events currently used in forensics competition. Techniques to enhance the performance skills of the competitor will be employed. Competitive reader's theatre and one-act plays will be the focus of this class. Students enrolled in the class are expected to attend interscholastic forensics competitions. This class is repeatable for credit.

HN7285 DISCOVERING THEATRE

Semester 1/2 Unit

Grade Levels: 11-12 Weighted,
3 Hours of College Credit

Discovering Theatre is a college-level course offered through the University of Central Missouri. It is an extensive examination of theatre as a living and viable artistic medium. The course develops the student's understanding of theatre in the following areas: the purpose of theatre; the role of the audience; dramatic literature and structure; the roles of actors, directors, designers, and technicians; and a historical perspective. This course is designed to meet university general studies requirements in fine arts. Students will receive 3 hours of college credit through UCM if they choose to pay the enrollment fee (THEA 2400).

H7272 CREATIVE THEATRE WORKSHOP

Semester 1/2 Unit

Grade Levels: 10-12

This class focuses on stimulating imagination and creativity using several non-traditional forms of theatre, such as Storytelling, Puppetry, Improvisation, Mask-Making and Reader's Theatre. Students will actively participate in a variety of activities and projects pertaining to these unique and entertaining elements of theatre. No previous theatre experience needed—just a hearty interest in working creatively!

IB THEATRE COURSES

HI 27010 IB THEATRE ARTS SL 1A

Semester 1/2 Unit

Grade Level: 11 Weighted

Prerequisite: Successful completion of Introduction to Theatre or Introduction to Competitive Theatre

IB Theatre Arts SL 1 is an advanced level course for juniors. This SL sequence is for IB students using theatre for their group six. It is taught within the Directing 1 theatre course. The student will participate in all lessons in Directing 1 as well as individual projects in theatre production, literature, and study of special topics. Writing skills will be utilized extensively in this course, as well as performance skills. This is a semester 1 only course. Students enrolling in IB Theatre Arts 1A will be required to enroll in IB Theatre Arts 1B during semester 1 of their Senior year.

HI 27012 IB THEATRE ARTS SL 1B

Semester 1/2 Unit

Grade Levels: 12 Weighted

Prerequisite: Successful completion of IB Theatre Arts SL 1

IB Theatre Arts SL 1B is an advanced level course for seniors. This SL sequence is for IB students using theatre for their group six. It is taught within the Discovering Theatre course. The student will participate in all lessons in Discovering Theatre as well as individual projects in theatre production, literature, and study of special topics. Writing skills will be utilized extensively in this course, as well as performance skills. This is a semester 1 only course. Students will be required to complete an independent project before the beginning of the course.

HI260 IB FILM

Year 1 Unit

Grade Levels: 11-12 Weighted

IB Film SL is a one-year course students may take in either their 11th or 12th grade year. The IB Film course teaches students to become practiced in both interpreting and making film. Through the study and analysis of film texts and exercises in film-making, this course explores film history, theory and socio-economic background from the points of view of different individuals, nations and cultures. Students also focus on professional and technical skills to express themselves creatively in film. The course emphasizes the importance of working individually and as a member of the group. In addition, the course is designed to promote an appreciation and understanding of film as a complex art form, an ability to formulate stories and ideas in film terms, the

practical and technical skills of production, critical evaluation of film productions by the student and by others, and a knowledge of film making traditions in more than one country.

VOCAL MUSIC

H71812 FRESHMAN TREBLE CHOIR

Year 1 Unit

Grade Level: 9

Freshman Treble Choir is open to any 9th grade treble singer. This class is designed to develop a treble singing voice, ear training, and competency in reading two-three and four-part music. A variety of musical styles is presented. Work includes singing exercises to build and strengthen the voice and improve diction, breath support, and resonance. Solfeggio is used to aid sight reading. This is a performance-oriented class. Attendance is required at all rehearsals and performances.

H71611 BELLAARMONIA

Year 1 Unit

Grade Level: 10-12

Prerequisite: By audition only

Bella Armonia is a small, highly select group of treble voices who sing multiple division music. A wide variety of music is studied, rehearsed and performed, including pop, jazz, renaissance, and contemporary. Other requirements are the same as for Concert Choir.

H7162 CONCERT CHOIR

Year 1 Unit

Grade Levels: 10-12

Prerequisite: By audition only

Concert Choir is the primary performing ensemble of Raymore-Peculiar High School. This class is designed as an advanced mixed choral ensemble for the dedicated, serious musician. Work will be done to further develop the singing voice, reading independence, vocal production, diction, breath support and performance skills. Singing tests, written tests and written music theory work will be incorporated. Performances are a major part of this class and a variety of choral compositions of contrasting styles and periods will be used. Attendance is required at all rehearsals and performances.

H71731 RAY-PEC RUSH

Year 1 Unit

Grade Levels: 10-12

Prerequisite: By audition only

The show choir uses singing and dancing to entertain diverse audiences. This class is designed to develop the entertainer's skills of vocal production, physical movement and emotional expression. Students will learn various dance

styles as well as breath support, diction, sight reading skills and music theory. Members will be expected to attend all performances including several community functions.

H71912 TREBLE CHOIR

Year 1 Unit
Grade Levels: 10-12

This is a non-auditioned choir open to any treble voice. This class is designed to develop the treble singing voice, ear training, and competency in reading two-three- and four-part music. A variety of musical styles is presented. Work includes singing exercises to build and strengthen the voice and improve diction, breath support and resonance. Solfege is used to aid sight reading. This is a performance-oriented class. Attendance is required at all performances and rehearsals. Singing in small ensembles, written tests and singing tests are incorporated.

H71932 BLACK AND GOLD

Year 1 Unit
Grade Levels: 9-12

This is a non-auditioned choir open to any tenor or bass singer. This class is designed to develop the singing voice, reading skills, ear training, and understanding of the changing voice. A variety of musical styles is presented. Work includes singing exercises to build and strengthen the voice and improve diction, breath support and resonance. This is a performance-oriented class. Attendance is required at all performances and rehearsals. Singing in small ensembles, sight reading, written tests and singing tests are incorporated.

INSTRUMENTAL MUSIC

All students will audition to be placed into the appropriate band course.

H7231 CONCERT BAND

Year 1 Unit
Grade Levels: 9-12

Prerequisite: Successful completion of a band class. Students must have participated in band the previous semester. Student who did not attend Ray-Pec for the prior year will require approval by the instructor.

The Concert Band course is a full year band course designed to advance each student's musical abilities. All students will audition to be placed into the appropriate band course. Students will participate in Marching Band during the fall semester. Students will also prepare music for multiple concerts throughout the year. All students are encouraged to audition for All-District Band and perform a solo and/or small ensemble at a music festival.

H7235 SYMPHONIC BAND

Year 1 Unit
Grade Levels: 9-12

Prerequisite: Successful completion of a band class. Students must have participated in band the previous semester. Student who did not attend Ray-Pec for the prior year will require approval by the instructor.

The Symphonic Band course is a full year band course designed to advance each student's musical abilities. All students will audition to be placed into the appropriate band course. Students will participate in Marching Band during the fall semester. Students will also prepare music for multiple concerts throughout the year. All students are strongly encouraged to audition for All-District Band and perform a solo and/or small ensemble at a music festival.

H72402 WIND SYMPHONY

Year 1 Unit
Grade Level: 9-12

Prerequisite: Successful completion of a band class. Students must have participated in band the previous semester. Student who did not attend Ray-Pec for the prior year will require approval by the instructor.

The Wind Symphony course is a full year band course designed to advance each student's musical abilities. All students will audition to be placed into the appropriate band course. Students will participate in Marching Band during the fall semester. Students will also prepare music for multiple concerts throughout the year. All students will audition for All-District Band and perform a solo and/or small ensemble at a music festival.

NOTICE: Students enrolled in this class are required to attend Summer Band Camp and all scheduled outside-of-class rehearsals and events as part of the grade for this course.

H72331 PERCUSSION ENSEMBLE

Year 1 Unit
Grade Levels: 9-12

Prerequisite: By audition only

Percussion ensemble is a class dedicated to the unique needs of the concert percussionist. Students will enhance their skills on a variety of percussion instruments, including snare drum, cymbals, timpani, keyboard instruments, auxiliary instruments and more. The ensemble will focus on enhancing each student's technique on several instruments and will perform concerts throughout the school year.

GENERAL MUSIC

H7252 MUSIC APPRECIATION

Semester 1/2 Unit
Grade Levels: 10-12

This class is a survey of music throughout history with an emphasis on American music. Students will develop listening skills to distinguish many styles of music and explore the basic elements of music through listening, writing, analyzing and performing.

HN72523 ADVANCED PLACEMENT MUSIC THEORY

Year 1 Unit
Grade Level(s) 11-12 Weighted

Prerequisite: At least two years of high school music (band or choir) or instructor approval Music Theory is a course designed for advanced students who want to pursue a career in music or wants to develop a deeper understanding of how music works. Students will learn skills and study concepts concerning acoustics, music notation, intervals and scales, chords, melody writing, four-part chorales, harmonization and more. In order to receive credit, students must take the AP exam in the spring.

H72334 GUITAR CLASS

Semester 1/2 Unit
Grade Level(s) 10-12

Guitar class is a course designed for the beginning guitar player. Students will learn to read the treble clef, tune their guitar, play chords, and melodies as well as tablature. Through the playing of the guitar, students will become familiar with classical, folk and popular music styles and play various guitar exercises.

HEALTH AND PHYSICAL EDUCATION OFFERINGS

The mission of the high school physical education department is to develop individuals who can understand and practice personal behaviors to ensure their own health and general wellness. Physical education integrates all aspects of a person's development: physical, mental, emotional and social. Our curriculum provides a broad and varied base of activities and concepts related to personal health and lifetime wellness. Only one PE course may be taken each semester.

H8092 HEALTH

Semester 1/2 Unit
Grade Level: 9-12 required

Health is designed for all incoming freshmen. The purpose is to give all students the understanding of the importance of; how to develop a healthy foundation and lifestyle, physical activity and nutrition, having good mental health and emotional health, having safe and healthy relationships, as well as personal care and body systems. Students will also learn about; injury prevention and environmental health, growth and development, sexual education, tobacco, alcohol and other drugs, as well as diseases and disorders.

H8002 GIRLS PHYSICAL EDUCATION

Semester 1/2 Unit
Grade Level: 9 required

Physical Education is designed for every student to have the opportunity to be successful. Students will have an opportunity to develop positive social skills, be involved in a variety of activities, develop individual responsibility, and develop a foundation for future physical education offerings.

H8003 BOYS PHYSICAL EDUCATION

Semester 1/2 Unit
Grade Level: 9 required

Physical Education is designed for every student to have the opportunity to be successful. Students will have an opportunity to develop positive social skills, be involved in a variety of activities, develop individual responsibility, and develop a foundation for future physical education offerings.

H8004 9TH GRADE WEIGHT TRAINING

Semester 1/2 Unit
Grade Levels: 9

This freshman class is designed to help students develop and increase strength through a systematic and regular program of lifting weights. A 9th grade student may take this course instead of Boy's/Girl's PE to satisfy the Level 1 PE requirement.

H8022 INDIVIDUAL & DUAL SPORTS (FALL)

Semester 1/2 Unit
Grade Levels: 10-12

This course is designed to provide students with general skills and knowledge of individual and dual sports for the fall season of the year. May include the following sports, but not limited to: tennis, volleyball and disc golf.

H8032 INDIVIDUAL & DUAL SPORTS (SPRING)

Semester 1/2 Unit
Grade Levels: 10-12

This class is designed to provide students the opportunity to improve skills and knowledge of individual and dual sports for the spring season of the year. May include the following sports, but not limited to: floor tennis, badminton, volleyball and golf.

H8062 SOCIAL DANCE

Semester 1/2 Unit
Grade Levels: 10-12

This course will offer a variety of dances ranging from folk and American square dances to popular ballroom dance and country dances of today and earlier years.

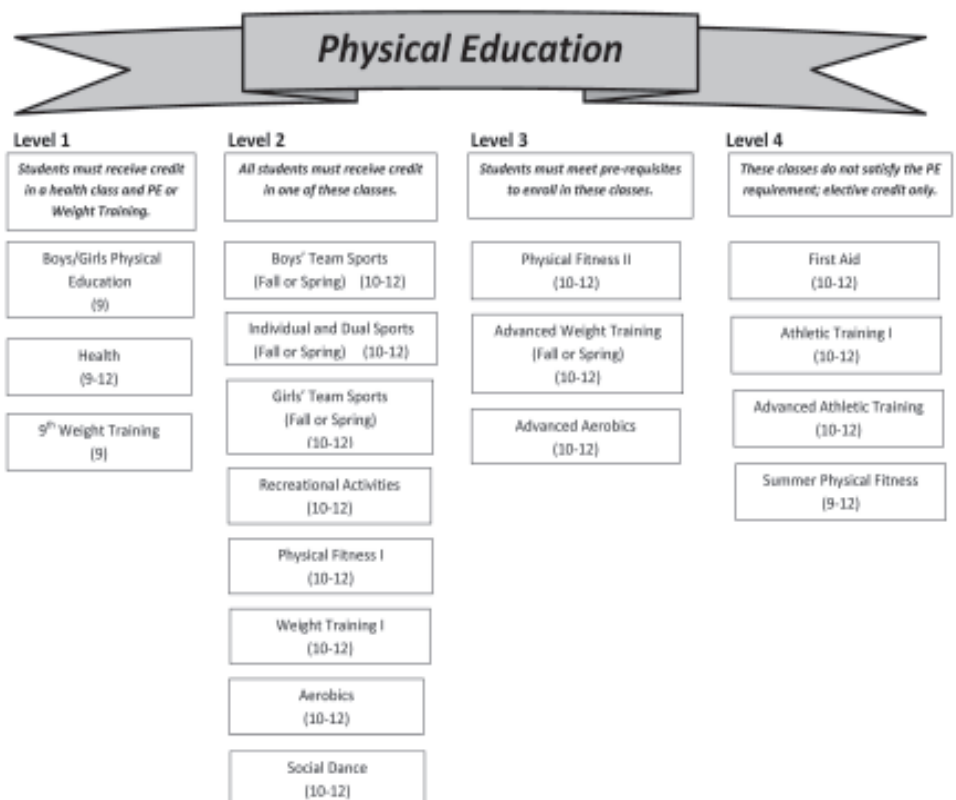
H8072 BOYS COMPETITIVE TEAM SPORTS (FALL)

Semester 1/2 Unit
Grade Levels: 10-12

This class is designed to provide students with opportunity to improve skills and knowledge of team sports. May include but not be limited to: soccer, volleyball, flag football and team handball. Theory of these sports will also be emphasized.

H8082 BOYS COMPETITIVE TEAM SPORTS (SPRING)

Semester 1/2 Unit



Grade Levels: 10-12

This class is designed to provide students with opportunity to improve skills and knowledge of team sports. This may include but not be limited to: basketball, softball and floor hockey. Theory of these sports will also be emphasized.

H8102 FIRST AID

Semester 1/2 Unit

Grade Levels: 10-12

Basic procedures will be taught for immediate emergency care situations. Fundamental care and prevention will be taught for the most common injury and illness areas. Students will also learn basic fundamentals of CPR from certified staff members. This course does not meet the health or PE requirement.

H8122 PHYSICAL FITNESS I

Semester 1/2 Unit

Grade Levels: 10-12

This class is designed to help develop strength and endurance. This is an intense activity based class. Students are expected to perform at high levels. Students will have the opportunity to learn about bone and muscle structure, the importance of proper exercise and how to maintain good physical condition.

H8121 PHYSICAL FITNESS II

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Physical Fitness I*

This class is designed to help develop strength and endurance at a higher level. This is an intense activity based class. Students are expected to perform at high levels. Students will have the opportunity to learn about bone and muscle structure, the importance of proper exercise and how to maintain good physical condition. This class may be taken multiple times for additional credits.

H8132 AEROBICS

Semester 1/2 Unit

Grade Levels: 10-12

This class is designed to increase cardiovascular fitness and tone up specific muscle groups to music and videos. Students will learn what exercises are appropriate for toning specific muscle. Students will also learn about nutrition and muscle groups.

H8142 ADVANCED AEROBICS

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Aerobics*

This class will continue to work on cardiovascular fitness and muscle strength-

ening to music and videos. Students will learn additional knowledge about fitness, nutrition, and exercise and plan a workout of their own. This class may be taken multiple times for additional credits.

H81621 WEIGHT TRAINING I (FALL)

Semester 1/2 Unit

Grade Levels: 10-12

This class is designed to help develop and increase strength through a systematic and regular program of lifting weights.

H81622 WEIGHT TRAINING I (SPRING)

Semester 1/2 Unit

Grade Levels: 10-12

This class is designed to help develop and increase strength through a systematic and regular program of lifting weights.

H81731 ADVANCED WEIGHT TRAINING (FALL)

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Weight Training I*

This is an extremely high intensity course designed to meet the needs of highly motivated students. Students will work-out each day the class meets. Students should expect to work extremely hard and see significant increases in strength and power. This course may be taken multiple times for additional credits.

H81732 ADVANCED WEIGHT TRAINING (SPRING)

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Weight Training I*

This is an extremely high intensity course designed to meet the needs of highly motivated students. Students will work-out each day the class meets. Students should expect to work extremely hard and see significant increases in strength and power. This course may be taken multiple times for additional credits.

H8182 GIRLS TEAM SPORTS (FALL)

Semester 1/2 Unit

Grade Levels: 10-12

This class is designed to provide students the opportunity to improve skills and knowledge of team sports. It may include but not be limited to: softball, flag football, soccer, volleyball, basketball and team handball.

H81820 GIRLS TEAM SPORTS (SPRING)

Semester 1/2 Unit

Grade Levels: 10-12

This class is designed to provide students the opportunity to improve skills and knowledge of team sports. It may include but not be limited to: softball, flag football, soccer, volleyball, basketball and team handball.

H8191 RECREATIONAL ACTIVITIES

Semester 1/2 Unit

Grade Levels: 10-12

This course is designed to provide students with general skill and knowledge of recreational activities. This may include four core units: (1) Hiking; (2) Horseshoes, croquet and frisbee golf; (3) Marksmanship (hunter's safety course is included) and table tennis; (4) Archery.

H8201 ATHLETIC TRAINING

Semester 1/2 Unit

Grade Levels: 10-12

The purpose of this course is to facilitate student learning in the science of injury prevention, treatment, and rehabilitation related to sports management. Students will be required to participate in experiences outside of class with medical professionals as well as explore various sports medicine fields. This course does not meet the health or PE requirement.

H8202 ADVANCED ATHLETIC TRAINING

Semester 1/2 Unit

Grade Levels: 10-12

Prerequisite: Successful completion of *Athletic Training*

This course provides the student with information and basic skills used to evaluate athletic injuries and special problems of the body. Care, evaluation and rehabilitation used in alleviating these conditions and injuries will be the main focal point of this class. Students will be required to participate in experiences outside of class with medical professionals as well as explore various sports medicine fields.

H2204 SUMMER PHYSICAL FITNESS (SUMMER ONLY)

Semester 1/2 Unit

Grade Levels: 9-12

Summer Physical Fitness is designed for every student to have the opportunity to learn more about and improve their personal level of fitness. Students will learn about body composition, flexibility, muscular endurance, muscular strength, cardiovascular endurance, the importance of proper exercise and how to maintain good physical condition. This course does not meet the P.E. or Health graduation requirement.

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SPECIAL AREAS

H0532 CADET TEACHING

Semester 1/2 to 1 Unit
Grade Level: 12
Prerequisite: 2.67 GPA, 95% Attendance, NO major disciplinary actions, one semester of tutoring with passing grade.
 This course provides an opportunity for students interested in the field of education to obtain practical experience by working with supervising teachers and students at a district's elementary or middle school. Duties include completing written assignments and projects; bulletin boards; grading and duplication of papers; and classroom instruction. Outstanding citizenship, attendance and reliability are a must. Students must provide their own transportation to the field school. A parent or guardian must sign a transportation waiver. Those without a driver's license may walk to some schools. A two-week training session will be given at the beginning of the semester. Grades will be based on attendance, evaluations by the cadet coordinator and supervising teachers, and a variety of written assignments. This course may NOT be taken concurrently with tutoring.

H0892 TUTORING/ MENTORING

Semester 1/2 Unit
Grade Levels: 11-12
Prerequisite: 2.5 GPA; 95% attendance and no major disciplinary action-Juniors and Seniors must be enrolled in the A+ program and working toward meeting the requirements. A+ coordinator approval will be needed for any Senior student wanting to take this course who does not meet the above requirements. This course may be taken one time only.
 This course will help fulfill the state requirements for 50 hours of tutoring/mentoring by students pursuing A+ status. The class will meet for a two-week training session at the beginning of the semester. Students will be placed with a supervisory teacher at a school in the district. Students must provide their own transportation to the field schools. A parent or guardian must sign a transportation waiver. Those without a driver's license may walk to some field schools. Grades will be based on attendance, evaluations by the tutor coordinator and supervising teachers and a variety of written assignments. This course may NOT be taken concurrently with Cadet Teaching. Students may only enroll in this class for one semester.

H0602 ACADEMIC SEMINAR

Grade Levels: 10-12
Prerequisite: Student must be enrolled in a minimum of two (2) AP, IB, dual-credit or advanced courses in the concurrent semester-eligible courses are listed on page 13 of this guide
No grade-No credit
 Academic Seminar offers students in advanced courses the time to work on AP, IB, dual-credit and/or advanced coursework during the school day. This course may be repeated. Students may not take Academic Seminar and Teacher/Office Aide in the same semester. Students do not receive a grade or credit for Academic Seminar.

H0992 TEACHER/OFFICE AIDE

Grade Levels: 11-12
Prerequisite: 93% Attendance, 2.5 non-weighted GPA, and good citizenship (no more than 10 citizenship points the previous year)
No grade-No credit
 Students will help teachers at the high school with typing, filing, small group instruction. Office Aides will run errands for the office to which they are assigned. Students may not take Academic Seminar and Teacher/Office Aide in the same semester.

Students may only enroll in one no-credit aide class per semester and a total of two semesters.
 Students doing MSHSAA have to be enrolled and pass three credits each semester for sports or other activities.

H0882 LEADERSHIP CLASS

Year 1 Unit
Grade Levels: 11-12
Prerequisite: Written consent of the Student Council Sponsor is required for enrollment.
 This class is designed for Student Council members who have accepted responsibility in various areas of student leadership. It combines leadership activities and presentations with specific short-term and long-term tasks.

H0001 STUDY SKILLS

Grade Levels: 9-12
Semester: 1/2 Unit
 Study Skills class is designed to give the academically struggling student time and support with schoolwork. Along the way, students have the opportunity to gain skills they may not have mastered dur-

ing their early education. Students will complete daily in-class assignments designed to bolster classroom skills. Students in this class also have the opportunity to work on their other schoolwork with the support of a teacher. This is a pass/fail course; any grade below a 70% will be regarded as a failing grade. This course is not included in a student's g.p.a.
 This class is repeatable for credit.

HI 290 IB THEORY OF KNOWLEDGE 1

Semester 1/2 Unit
Grade level: 11th (2nd semester) weighted
Prerequisite: Concurrent IB classes required for IB Diploma Candidates

HI 2902 IB THEORY OF KNOWLEDGE 2

Semester 1/2 Unit
Grade level: 12th (1st semester) weighted
 Students will reflect critically on their academic experiences explored through the following areas of knowledge: mathematics, natural sciences, human sciences, history, the arts, and ethics. Students will use different ways of knowing to reflect upon their experiences both inside and outside the classroom and utilize knowledge based questions to evaluate the bases of knowledge and their own thinking. Since TOK is committed to the public dialogue of ideas, class discussion will be an integral part of the course. The IB assessment requires one major essay and a class presentation. This class is a required component of the IB diploma. For this reason, the course enrollment is limited to only diploma candidates.

CLASSES BELOW ONLY WITH CASE MANAGER APPROVAL

H9600 LIFE SKILLS ENGLISH

Year 1 Unit per year
Grade Level: 9-12
Recommendation: Enrollment in this class will be determined by student's case manager.
 Life skills English is for students' that pre-qualify for MAP-A state assessments. This is a communication arts class where students cover an array of items such as letter sounds, reading sight words, spelling, writing sentences and formulating paragraphs, as well as reading fluency. A computer software reading program is also used to improve student's word recognition.

H20211 FUNDAMENTALS OF ENGLISH 1

Year 1 Unit

Grade Level: 9

Recommendation: Enrollment in this class will be determined by student's case manager.

This course will focus on reading, writing, speaking and listening skills. Students will increase their basic reading and reading comprehension skills through a study of various texts including fiction, non-fiction, and poetry. Freshmen will expand their knowledge of the writing process through academic writing.

H20212 FUNDAMENTALS OF ENGLISH 2

Year 1 Unit

Grade Level: 10

Recommendation: Enrollment in this class will be determined by student's case manager.

Sophomores will increase their decoding, fluency, vocabulary, comprehension, speaking and writing skills throughout the year. They will explore the writing process and compose various descriptive, narrative, analytical and argumentative writing projects.

H20213 FUNDAMENTALS OF ENGLISH 3

Year 1 Unit

Grade Level: 11

Recommendation: Enrollment in this class will be determined by student's case manager.

Students will develop and build on their basic reading and word attack skills through reading various fiction, non-fiction, and poetry text. Juniors will expand their knowledge of the writing process (including capitalization, usage, punctuation, and spelling) through technical and academic writing.

H20214 FUNDAMENTALS OF ENGLISH 4

Year: 1 Unit

Grade Level: 12

Recommendation: Enrollment in this class will be determined by student's case manager.

Students will analyze literature and informational text throughout the year, while still focusing on their basic reading and word attack skills. Seniors will continue to develop their reading fluency and comprehension skills throughout the course of the year. Seniors will have mini writing lessons within each unit of study, and will receive instruction on the key types of writing: argument essay, informational/explanatory, and narrative writings.

H2020 READING

Year 1 Unit

Grade Level: 9-12

Recommendation: Enrollment in this class will be determined by student's case manager.

Students will develop and build upon their reading fluency and personal reading comprehension skills. Students will analyze literature throughout the course of the year, while paying particular attention to main ideas and details, problem/solution, making inferences, and summarizing various reading materials. Students will read in class text, as well as required personal outside reading material.

H9580 LIFE SKILLS MATH

Year 1 Unit

Grade Level: 9-12

Recommendation: Enrollment in this class will be determined by student's case manager.

Life skills math is for students' that pre-qualify for MAP-A state assessments. This class covers topics ranging from number recognition, addition, subtraction, rounding, counting money, telling time, making change, multiplication, as well as other relevant math skills.

H95810 FUNDAMENTALS OF MATH

Year 1 Unit

Grade Levels: 9 - 12

Recommendation: Enrollment in this class will be determined by student's case manager.

This course is designed to provide instruction on foundational math skills. The course will be a study of basic math concepts which may include: place value, rounding, order of operations, fractions, decimals, percent, average, exponents, one-step algebraic equations, consumer math.

H95815 PRE-ALGEBRA 1 A

Year 1 Unit

Grade Levels: 9 - 12

Recommendation: Enrollment in this class will be determined by student's case manager.

This course is for students who are proficient in foundational math skills. The course will be a study of half of the pre-algebra concepts in a pre-algebra course and may include: solving two-step algebraic equations, writing number sentences, calculating simple interest, negative and positive exponents, relating fractions, percentages, and decimals, perimeter, area, graphing.

H95816 PRE-ALGEBRA 1 B

Year 1 Unit

Grade Levels: 9 - 12

Recommendation: Enrollment in this class will be determined by student's case manager.

This course will be a study of the second half of pre-algebra concepts taught in a pre-algebra course and may include: perimeter, area, multi-step algebraic equations, graphing of data, probability, polynomials.

H95817 ALGEBRA 1 A

Year 1 Unit

Grade Levels: 9 - 12

Recommendation: Enrollment in this class will be determined by student's case manager.

This course is for students who are proficient in pre-algebra math concepts. The course will be a study of half of the algebra concepts taught in an algebra course and may include: operations with integers, multi-step algebraic equations with variables on both sides, percentages, ratios, proportions, linear equations and graphs.

H95818 ALGEBRA 1 B

Year 1 Unit

Grade Levels: 9 - 12

Recommendation: Enrollment in this class will be determined by student's case manager.

This course will be a study of the second half of algebra concepts taught in an algebra course and may include: solving equations, ratios, proportional reasoning and statistics, percentages, linear equations and graphs, operations with exponents, and systems of equations and inequalities.

H95819 PRE-MATHEMATICS WITH BUSINESS APPLICATIONS

Year 1 Unit

Grade Levels: 11-12

Recommendation: Enrollment in this class will be determined by student's case manager.

This course will use previously learned math concepts and skills through applications found in daily personal finance and business situations. Topics may include income, taxes, budgeting, bank accounts, consumer math, loans, cost of a vehicle, housing costs, measurement, insurance and sales for a business.

H9480 LIFE SKILLS HISTORY

Year 1 Unit

Grade Level: 9-12

Recommendation: Enrollment in this class will be determined by student's case manager.

Life skills history is for students' that pre-qualify for MAP-A state assessments. This class covers an array of topics related to communities, cities, states, continents, and the founding of the United States. A variety of hands on projects and other activities are done in this class to help students understand the topics at their functional level.

H9481 FUNDAMENTALS OF AMERICAN HISTORY

Year 1 Unit

Grade Levels: 9

Recommendation: Enrollment in this class will be determined by student's case manager.

This American History course is designed to introduce students to the changes in the U.S. through political, economic, social, and industrial expansion by studying the eras of Reconstruction through today's "war on terrorism." Additionally, this course will give students an understanding of the importance of functioning in a culturally diverse America. Students will demonstrate their mastery of these concepts through multiple instructional methodologies.

H9482 FUNDAMENTALS OF WORLD HISTORY

Year 1 Unit

Grade Levels: 10

Recommendation: Enrollment in this class will be determined by student's case manager.

This course is a social, cultural, economic and political study of mankind from primitive beginnings to the present. Students will be introduced to such topics through comparative analysis from antiquity through the modern age. Special emphasis will be given to the many and varied contributions to the world cultural growth that have been made by all humanity; ethnic, racial, gender and religious.

H9485 FUNDAMENTALS OF AMERICAN GOVERNMENT

Year 1 Unit

Grade Levels: 11

Recommendation: Enrollment in this class will be determined by student's case manager.

This course examines the origins, development, and basic structure of the United States' government. Students will take the U.S. and Missouri Constitution Exams as

part of this course, and must pass the exam and course in order to graduate.

H9773 LIFE SKILLS SCIENCE

Year 1 Unit

Grade Level: 9-12

Recommendation: Enrollment in this class will be determined by student's case manager.

Life skills science is for students' that pre-qualify for alternative state assessments. This class covers a variety of topics such as knowledge of the days of the week, months of the year, holidays, seasons, the water cycle, plant growth, moon phases, cooking, weather, as well as living and non-living things.

H9775 FUNDAMENTALS OF ENVIRONMENTAL/EARTH SCIENCE

Year 1 Unit

Grade Level: 9

Recommendation: Enrollment in this class will be determined by student's case manager.

This course is designed for incoming freshmen who need to work on development of their science skills and core knowledge. This course will include basic concepts of metric measurement, Earth chemistry, scientific method, climate, Earth history, tectonics, earthquakes, volcanoes, astronomy, and weather. When appropriate, labs, projects, and hands-on activities will be used to reinforce and practice learning targets.

H9672 FUNDAMENTALS OF LIFE SCIENCE

Year 1 Unit

Grade Level: 9-10

Recommendation: Enrollment in this class will be determined by student's case manager.

This course is designed to provide students with basic coverage of biological concepts. Areas covered include scientific methods, cell structures, cell energy cycles, DNA, meiosis/mitosis, ecology, basic genetics, classification, and evolution. When appropriate, labs, projects, and hands-on activities will be used to reinforce and practice learning targets.

H9774 FUNDAMENTALS OF PHYSICAL SCIENCE

Year 1 Unit

Grade Level: 10-12

Recommendation: Enrollment in this class will be determined by student's case manager.

This course is designed to provide students with a basic knowledge of physical science. Areas covered include metric

measurement review, motion, magnetism, chemical reactions, work and simple machines, heat, sound, light, and electricity. When appropriate, labs, projects, and hands-on activities will be used to reinforce and practice learning targets.

H9556 TRANSITION

Year 1 Unit

Grade Levels: 9 - 12

Recommendation: Enrollment in this class will be determined by student's case manager.

This course is designed for students to gain the skills needed to be successful in high school, while also addressing post-secondary goals. Students will complete daily in-class assignments designed to move the students toward mastery of life situations, classroom skills, and post-secondary interests. Subjects taught include job applications, job interviews, self-advocacy, college preparation, career exploration, and career planning. Students will be given the opportunity to work on assignments from other classes, and get extra help, as needed, to be successful in the regular education setting.

H9550 CHOICES TRANSITION

Year 1 Unit

Grade Levels: 9 - 12

Recommendation: Enrollment in this class will be determined by student's case manager.

This course is designed for students to gain the skills needed to be successful in high school, while also addressing post-secondary goals. Students will complete daily in-class assignments designed to move the students toward mastery of life situations, classroom skills, and post-secondary interests. Subjects taught include job applications, job interviews, self-advocacy, college preparation, career exploration, and career planning. Students will be given the opportunity to work on assignments from other classes, and get extra help, as needed, to be successful in the regular education setting. This course will also include a social skills component.

H9792 DAILY LIVING

Year 1 Unit

Grade Level: 9-12

Recommendation: Enrollment in this class will be determined by student's case manager.

Daily living is a class that works to enhance skills such as personal hygiene, daily skills such as vacuuming, washing dishes, cleaning items, and making deposits for our school store, human body systems and as well as sexual education. Students will also attend a variety of

places on community based instruction trips to promote positive and appropriate community behavior.

H9794 PERSONAL LIVING

Year 1 Unit

Grade Levels: 10 - 12

Recommendation: Enrollment in this class will be determined by student's case manager.

This course is designed to provide instruction in money management skills which includes banking, budgeting, consumer purchases, insurance, doctors and dentists, job applications and interviews, and living independently. Students will be required to complete daily in-class assignments designed to move the students toward mastery of Personal Living concepts.

H09310 FUNCTIONAL JOB SKILLS

Year 1 Unit

Grade Level: 9-12

Recommendation: Enrollment in this class will be determined by student's case manager.

Functional Job Skills is a class for students that pre-qualify for MAP-A state assessments to enhance soft skills to prepare them for a work setting environment. Students receive on the job training at a variety places in the community as well as attend community based instruction trips.

H0931 JOB SKILLS

Year 1 Unit

Grade Level: 9-12

Recommendation: Enrollment in this class will be determined by student's case manager.

Job Skills is a class that strives to enhance skills to prepare students for a work setting environment. Students receive training on a variety of skills that will help them search for, apply and interview, and accomplish career goals post-secondary.

H9793 CAREER EDUCATION

Year 1 Unit

Grade Levels: 11 - 12

Recommendation: Enrollment in this class will be determined by student's case manager.

While exploring career goals, students will master academic and workplace skills necessary to make a successful transition from school to career. This course is taken in conjunction with the Cooperative Career Education Internship option.

H0930 COOPERATIVE CAREER EDUCATION INTERNSHIP

Year 1 Unit

Grade Levels: 12

Recommendation: Enrollment in this class will be determined by student's case manager.

Career Education uses Cooperative Career Education Internship as a method of instruction for senior level students whereby students receive on-the-job training. This course utilizes supervised employment that allows the student to relate classroom instruction to the workplace.

H9780 OCCUPATIONAL PREPARATION

Year 1 Unit

Grade Level: 12

Recommendation: Enrollment in this class will be determined by a student's case manager

This course will prepare students who receive special services for entry into the job market. The specific length and depth of each individual's program will correlate to that student's needs and personal Transition Plan as described in the Individualized Education Plan (IEP).

CASS CAREER CENTER

The following are programs offered through Cass Career Center. These programs are designed to be 1-2 years of instructional length. The Cass Career Center instructor and sending school must approve students interested in participating. Students have the opportunity to earn dual or articulated credit through nearly all of the Cass Career Center Programs. More information can be found at www.casscareercenter.com

H90921/H91021 CONSTRUCTION TECHNOLOGY EXTERIOR/ INTERIOR

Year 3 Units

Grade Level 11-12

Prerequisite: Application and interview with instructor.

Dual Credit: University of Central Missouri, may be earned for 6 college credit hours

Articulated Credit: North Central Missouri College and Coffeyville Community College

This program will focus on the total construction industry. Students will learn construction safety, plumbing, electricity, HVAC, insulation, drywall/finishing, trim, cabinet installation, and installation of alarm systems and computer/TV cabling systems. General math and tape measure reading necessary. Students meeting requirements will have the opportunity to receive advanced placement with the Association of General Contractors (union) and certification with the Associated Builders and Contractors (union and nonunion). This class is one year of a 2-year program.

H91921 HEALTH SCIENCES

Year 3 Units

Grade Level: 12

Prerequisite: Visit with instructor

Articulated Credit: UCM, may earn up to 4 credit hours.

With many new job opportunities in health care, students enrolling in this program will have the opportunity to learn basic healthcare skills to prepare them to directly enter the healthcare field or to continue their education in the healthcare field. Students will learn basic health assistant skills, medical terminology, anatomy and physiology, and research various health care careers. Students will work hands-on in a long term health care facility and have the opportunity to do job shadowing in various departments in the hospital setting such as emergency room, ICU, laboratory, radiology, dietary, medical/surgical, and medication order entry. In addition, students will have shadowing opportunities in fields such as veterinary, day care, dialysis, and dental. Students will complete the requirements to obtain their CNA certification in this class. ALL students must submit a valid Social Security card and successfully pass a back-

ground check in order to meet the requirements of this program.

H91225 WELDING TECHNOLOGY

Year 3 Units

Grade Level 11

H91226 ADVANCED WELDING TECHNOLOGY

Year 3 Units

Grade Level 12

Prerequisite: Application and interview with instructor

Dual Credit: Metropolitan Community College; may be earned for 12 credit hours

Articulated Credit: North Central Missouri Community College and State Technical College of Missouri

Students learn basic welding skills and safety measures essential in the field of welding. Course content includes oxyacetylene welding, shielded metal arc welding, gas metal arc welding and brief exposure to gun tungsten arc welding. Also covered is math for welders, blueprint reading, welding symbols and welding safety. Student must have general math skills and to be able to read a tape measure. The student must provide their own personal protective equipment.

The agriculture program of instruction for secondary students should involve both depth and breadth and be organized with an entry-level sequence in combination with advanced courses in agriculture. The entry-level sequence will begin with a two-semester course. Because FFA is an integral part of the agriculture program, all students enrolled in an agriculture course will be highly encouraged to become members of and participate in the FFA.

H90321 AGRICULTURAL SCIENCE I- PLANT & ANIMAL TECHNOLOGY

Year 1 Unit

Grade Level: 11

This course is designed as an introduction to general agriculture and horticulture. Units of instruction will include small animal care, animal breeds, animal reproduction, animal nutrition, agribusiness, Ag processing, food science, plant growth, plant reproduction,

crop science, and land use and regulations. Students will also be introduced to the National FFA Organization, Supervised Agriculture Experience programs, leadership development, and over 200 career opportunities.

H90421 AGRICULTURAL SCIENCE II— MECHANIZED AGRICULTURE

Year 1 Unit

Grade Level: 11-12

Prerequisite: Agricultural Science I or concurrent enrollment

This course is designed for an introduction to mechanized agricultural technology and the careers associated with this field. Units of instruction will include careers in agricultural mechanics and skill training units in hand and power tools as well as wood and metal work, arc welding, oxyacetylene welding, electricity, project planning, plumbing, and concrete masonry. Course work will also include instruction in leadership development and supervised agriculture experience program development. Students will be required to complete a lab project in each content area.

VETERINARY & EQUINE SCIENCE

Year 1 Unit

Grade Level: 11-12

Prerequisite: Agriculture Science I or concurrent enrollment

This course builds on animal science topics introduced in Ag Science I. First semester, students will learn basic animal anatomy, body systems, care, and maintenance for small animals and livestock. Units of instruction will include: anatomy and physiology, genetics, reproduction, nutrition, health, and proper care and maintenance. Career opportunities in animal science and veterinary medicine will also be examined. Second semester, students will look at horse production, care, and management. Instruction on the horse industry, reproduction, nutrition, selection, health, and training will be covered. This course is offered in even years.

AGRIBUSINESS MANAGEMENT—ECONOMICS AND SALES

Year 1 Unit

Grade Level: 11-12

Prerequisite: Agriculture Science I or concurrent enrollment

This course combines economic principles of business with sales, management, and service skills. Economic principles will include supply/demand, fix/variable cost, and time value of money, futures/options/stock market, business management and price forecasting. Students will be expected to complete a farm or small business plan. Sales units will include human relations, personal inventory, careers, sales presentations, customer relations, marketing, purchasing, grading and transporting. This course is offered in even years.

AG STRUCTURES I - FIRST SEMESTER

Semester 1/2 Unit
Grade levels: 11-12

Prerequisite: Agriculture Science II or concurrent enrollment

This course includes electrical wiring, electrical motors, concrete masonry, plumbing, area surveying, and farm buildings. This course is offered in even years.

AG STRUCTURES II SECOND SEMESTER

Semester 1/2 Unit
Grade Level: 11-12

Prerequisite: Agriculture Structures I or concurrent enrollment

This class continues the course studies of Ag Structures I through construction of major agricultural structures. This course is offered in even years.

AG CONSTRUCTION I FIRST SEMESTER

Semester 1/2 Unit
Grade Level: 11-12

Prerequisite: Agriculture Structures II or teacher approval

This course utilizes welding in the development of major metal skills in MIG, Arc and Oxyacetylene systems. This course is offered in even years.

AG CONSTRUCTION II SECOND SEMESTER

Semester 1/2 Unit
Grade Level: 11-12

Prerequisite: Agriculture Construction I or teacher approval

This course continues the studies of Ag Construction I through construction of major metal and wood projects. This course is offered in even years.

SUPERVISED AGRICULTURE EXPERIENCE

Year 1-2 Units
Grade level: 12

Prerequisite: Concurrent enrollment in an

advanced agriculture course

The SAE class is designed to give students an opportunity to receive credit for an agriculture related work experience. Students must be enrolled in an upper level agriculture class and SAE instructor/supervisors must approve enrollment. Students must work 10 hours weekly to receive one credit and 20 hours weekly to receive two credit hours. Students are not required to attend an actual SAE class but written reports must be submitted weekly.

LANDSCAPE DESIGN & TURF MANAGEMENT

Year 1 Unit
Grade Level: 11-12

Prerequisite: Agriculture Science I or teacher approval

Articulated Credit: Metropolitan Community College (AGBS 153: Special Topics in Horticulture) may be earned for 3 credit hours. Students must complete Landscape Design & Turf Management and Greenhouse Operations.

This course includes careers, the basic techniques of landscape design and selection of plant materials. Developing bids and cost estimates, landscape installation, and landscape maintenance are also included. A major landscape project is required for this class. Greenhouse lab participation is required. This course is offered in even years.

H9162 EMERGENCY MEDICAL TECHNOLOGY-BASIC (EMT)

Year 3 Units
Grade Level: 11-12

Prerequisite: Minimum of a 2.5 GPA; 90% attendance record at home high school; good reading, writing, and math skills. A Interview with the instructor during the sophomore year is mandatory.

Articulated Credit: Metropolitan Community College credit may be earned for 8 hours.

Basic life support and emergency care skills taught. The student receives instruction for the skills necessary to detect signs, symptoms, and procedures of field management for emergency medical situations. Students will also receive training for certification in Hazardous Materials Awareness & Operations and National Incident Management System (NIMS 100, 200, & 700). Clinical observations on local ambulance services occur after class time, students will need to provide their own transportation to these locations. A class uniform will be required. This course is both a physical and knowledge demanding course and students will participate in active physical training. Successful completion of all requirements allows the student to be eligible to take the Na-

tional Registry of EMT practical and written examinations. The student must be 18 years of age to take the examinations.

H9163 FIREFIGHTER I & II

Year 3 Units
Grade Level: 11-12

Prerequisite: Minimum of a 2.5 GPA; 90% attendance record; good reading, writing, & math skills. An interview with the instructor prior to enrollment in class is mandatory for EMT and Firefighter I & II.

Articulated Credit: Metropolitan Community College may be earned for 16 college credit hours in FSTE 169: Fire Prevention, FSTE 170: Hazardous Materials Awareness & Operations, FSTE 179: Principles of Emergency Services, FSTE 204: Principles of Fire Emergency Safety & Survival, and FSTE 209: Building Construction and Fire Protection.

Upon successful completion of this course the student will have received training for certification as a Firefighter I & II, Hazardous Materials Awareness & Operations and National Incident Management System (NIMS 100, 200 & 700). A class uniform will be required. This course is both a physical and knowledge demanding course and students are required to participate in active physical training. Successful completion of all required courses allows the student to be eligible for testing as a Firefighter through the Missouri Division of Fire Safety. The student must be 17 years of age by May 1st during the FireFighter training year to be eligible to take state certification examinations. The Missouri Division of Fire Safety and the IFSAC have established this requirement for all individuals taking these certification exams.

H9446 ENGLISH 4

Grades: 11-12
Credit: 0.25 per semester

Prerequisite: Enrolled in a 3-Hour Block Class at the Cass Career Center

Dual Credit: Crowder College; may be earned for 3 college credit hours in ENG 203: Technical Report Writing.

This course covers instruction in methods of technical writing, work readiness, job-related vocabulary development, and effective written and oral communications. Students will compose a variety of essays, including expository (informative) and persuasive forms; students will complete formal and informal presentations; and students will complete a course portfolio and senior capstone. Students may earn a maximum of 1.0 credit over a two-year period to fulfill the Language Arts graduation requirement. This course is available to students enrolled in a 3 hour block program at CCC, and these block students are automatically enrolled.

H9445 MATH 4

Grades: 11-12

Credit: 0.25 per semester

Prerequisite: Enrolled in a 3-Hour Block Class at the Cass Career Center

This course presents informational methods of contextual mathematical instruction directly related to the corresponding 3-Hour Block Class. Students will review pre-existing concepts and learn new concepts specific to the chosen trade to prepare students for higher education or enter directly into that trade. Students will complete various assignments including but not limited to team projects, periodic problem solving, lab participation, and job site applications. This course is available to students enrolled in a 3 hour block program at CCC, and these block students are automatically enrolled.

H9160 CRIMINAL JUSTICE / CSI

Year 3 Units

Grade Level 11-12

Dual Credit: State Fair Community College (CJ 101: Introduction to Criminal Justice and CJ 102: Introduction to Law Enforcement) may be earned for a total of 6 credit hours.

This 2 year program is a general introduction to the American criminal justice system with emphasis on law enforcement. Students will investigate US constitutional law and the Missouri criminal code as well as many aspects of law enforcement such as professional ethics, evidence procedure, crime scene and accident investigation, and types of law enforcement equipment used in industry today. There will be a strong connection to industry and students should be prepared for dealing with real world scenarios in a mature and professional manner. A class uniform will be required. This course is both a physical and knowledge demanding course and students will be required to participate in active physical training.

H90122/H90123 AUTOMOTIVE MAINTENANCE AND REPAIR I & II

Year 3 Units

Grade Level 11-12

Prerequisite: Application and interview with instructor

Articulated College Credit: North Central Missouri College

This program includes an introduction to engine performance, engine repair, HVAC, and automotive transmission. In addition, students will be trained and tested in shop and equipment safety. Students will explore career opportunities offered in the Distribution, Transportation, and Logistics career clusters. All students must visit with instructor prior to enrolling in class. The visit will include a short test of math, language and mechanical ability. Students will be eligible to sit for NATEF/ASE student exams (G1 Maintenance & Light Repair-student level) upon successful completion of program. This class is one year of a 2-year program.

SUMMIT TECHNOLOGY ACADEMY

The STA provides a multiple exit program which prepares students for entry into high tech, high wage careers immediately upon graduation, entry into Associate Degree programs, or entry into Bachelor Degree programs in technology, engineering or health care. Coursework is designed to provide practical applications of core area subjects as they relate to the use of technology. Students must apply and the Summit Technology Academy must approve those interested in participating. For more complete information see the web site (www.sta.lsr7.org). Courses are offered as a daily two hour and five minute block at Summit Technology Academy in Lee's Summit. Transportation can be provided in most cases.

SUMMIT TECHNOLOGY ACADEMY CAMPUS, 777 NW Blue Parkway, LSMO (sta.lsr7.org)

** denotes a Project Lead The Way (PLTW) course, which is a nationally recognized engineering, biomedical, and computer science curriculum being offered through numerous school districts. Students can advance through a sequence of courses such as Introduction to Engineering Design, Principles of Engineering, Civil Engineering and Architecture (CEA) in order to access the capstone engineering courses at STA. Likewise, students can advance through Principles of Biomedical Science and Human Body Systems in order to access the capstone course of Medical Interventions/Biomedical Innovation. Ask your Guidance Counselor about information regarding PLTW or go to www.pltw.org. Courses marked with double asterisk (**) are approved Project Lead the Way courses.

? denotes an International Baccalaureate Career-Related Program course, which incorporates the educational principles, vision and learner profile of the IB into a unique offering that specifically addresses the needs of students who wish to engage in career-related education. The IBCP encourages students to benefit from an IB education, through a selection of two or more Diploma Programme courses in addition to a unique IBCP core, comprised of a Personal and Professional Skills course (see description in the social studies section of the course guide), a reflective project, language development, and community service. The career related courses marked with marked with ? meet the IBCP.

PLTW ENGINEERING ELECTIVE COURSES

Students need to choose 2 of the 3 courses (DE, CIM, AE) to make a full-year selection

HN90464 DIGITAL ELECTRONICS™ **

Grade: 11-12
Credits: 1.5 Weighted

DUAL CREDIT: UCM ET 1010, ET 1050 (7 hrs credit for eligible students)

PREREQUISITE: GPA: 2.5 cumulative or higher; Attendance: 90% or higher; Math: Algebra I, B- or higher; Reading/Writing: 10th grade level

PREREQUISITE for PLTW Member Schools: Introduction to Engineering Design, Principles of Engineering

Recommended: Geometry, Internet access outside of class is required.

This fast-paced, college level course in applied logic gives students the opportunity to learn how computers/logic circuits think and control the world around us. Students will use applied math to understand the logic behind the circuits, as well as, computer simulation software to design and test digital circuitry prior to the actual construction of the circuits. Students will have the opportunity to learn everything from basic electronic circuit design, logic circuit design, all the way up to and including programming and interfacing with microcontrollers, which includes robot applications. Student can expect to use the engineering design process to think critically and independently solve open-ended problems.

HN9450 COMPUTER INTEGRATED MANUFACTURING™ **

Grades: 11-12

Credits: 1.5 Weighted

DUAL CREDIT: UCM ENGT 1012 (2 hrs credit for eligible students)

PREREQUISITE: GPA: 2.5 cumulative or higher; Attendance: 90% or higher; Math: Algebra I, B- or higher; Reading/Writing: 10th grade level

PREREQUISITE for PLTW Member Schools: Introduction to Engineering Design, Principles of Engineering

Recommended: Average Math and Engineering grade: B- or higher

This exciting course provides students with the fundamentals of computerized manufacturing technology in a global perspective. Students will have individual and team projects in the follow areas of manufacturing: Computer Modeling-using a three dimensional, solid modeling software package with mass property analysis and design interface tools. CNC Equipment -

understanding the machinery and tools and their operating and programming aspects. CAM Software - converting computer generated geometry into a program to drive CNC machine tools. Robotics-robotic arm programming and how they are used for materials handling and assembly operations. Flexible Manufacturing Systems - working in teams to design manufacturing work cells and tabletop factory simulations. The students will interact with industry experts and should expect to be challenged with ideation and creation of projects while working within a set of constraints.

HN94442 AEROSPACE ENGINEERING™ **

Grades: 11-12

Credits: 1.5 Weighted

PREREQUISITES: Algebra II with a B- or higher

PREREQUISITE for PLTW Member Schools: Introduction to Engineering Design, Principles of Engineering

PREREQUISITES: Algebra II with a B- or higher

Recommended: Average Math and Engineering grade: B- or higher; Physics (completed or concurrent enrollment). Internet access outside of class is highly recommended.

This course provides students with the fundamental knowledge and experience to apply mathematical, scientific, and engineering principles to the design, development, and evolution of aircraft, space vehicles and their operating systems. In the classroom, students will engage in creative thinking and problem-solving activities using software that allows students to design, test, and evaluate a variety of air and space vehicles, their systems, and launching, guidance and control procedures. Students will build and test airfoils, gliders and model rockets, as well as fly a plane in a flight simulator program. Students can expect to work with and/or be mentored by professionals in the aviation/aerospace career field from around the Greater Kansas City metropolitan area.

**PLTW ENGINEERING
CAPSTONE COURSE****HN94422 ENGINEERING DESIGN AND
DEVELOPMENT™ ****

Grade: 12

Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester Weighted

PREREQUISITE: GPA: 2.5 cumulative or higher; Attendance: 90% or higher; Math: Algebra II B or higher.

PREREQUISITE for PLTW Member Schools: Introduction to Engineering Design (IED), Principles of Engineering (POE), and one of the following courses: Digital Electronics (DE), Computer Integrated Manufacturing (CIM), Aerospace Engineering or Civil Engineering/Architecture (CEA).

Recommended: Average Math and Engineering grade: B- or higher; Pre-calculus (completed or concurrent enrollment) OR Physics with a B or higher

Fall semester (EDD) Student design teams work on an open-ended problem in which they research, design, and construct a solution. Students apply principles developed in the four preceding courses, learn advanced physics and mathematical applications, and are guided by engineering mentors. Design teams must present progress reports, submit a final written report, and defend their solutions to a panel of Kansas City area engineering professionals at the end of the fall semester.

Spring Semester (EFE) Prerequisite: B- or better in EDD, and a B- or better in the mathematical activities as presented by the instructor throughout EDD.

The Engineering Field Experience (EFE) course requires that students (AM section only) travel two days per week to Lee's Summit City Hall and the Public Works Engineering Department. The engineering staff at HDR travel to STA two days per week. LSPW department assigns a city infrastructure project to the AM students. HDR provides instruction on the essentials of wastewater treatment plant design. Students will learn the fundamental concepts of structures, and fluid mechanics, which will be applied directly to the projects for LSPW and HDR.

COMPUTER SCIENCE**HN90261/HN90262
NETWORK ENGINEERING I & II**

Grade: 11-12

Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester Weighted

Dual Credit: UCM Net 1060, 1061 2060, & 2061 (3 hrs credit each course for eligible students)

PREREQUISITE: GPA: 2.5 cumulative or higher; Attendance: 90% or higher; Math: Algebra I, B- or higher; Reading/Writing: 10th grade level; Other requirement: Keyboarding, minimum 30 WPM. Home Internet access required.

Recommended: Computer Hardware and Operating Systems I (offered in a traditional format or through R7 Online); Algebra II Fall semester The course introduces the architecture, structure, functions, components and models of the Internet and other computer networks. It uses the OSI and TCP/IP layered models to examine the roles of protocols and services. This includes the principles and structure of IP addressing, LAN and WAN specifications, and network management, which provide a foundation for the course. Hands-on and simulation based activities in this course assist with the configuration, operation, and troubleshooting of routers and switches in a small to medium sized internetwork.

This course helps the student prepare for the Cisco Certified Entry Network Technician certification exam.

Spring semester This course provides a comprehensive, theoretical, and practical approach to learning the technologies and protocols needed to design, implement, and secure enterprise and wide area networks. This includes functionality, configuration, and troubleshooting of inter-VLAN routing, VLANs, WLANs as well as wide area networking technologies. This course helps the student prepare for the Cisco Certified Network Associate certification exam.

HN94414 CYBER SECURITY

Grade: 12

Credits: 1.5 units Weighted

Dual Credit: MCC CSIS 272 (CSIS 110 is a prerequisite for this course)

PREREQUISITE: Network Engineering I/II This course teaches students the skills needed to obtain entry-level security specialist jobs. It provides a hands-on introduction to network security. Student in the course will examine, design and implement security rules and policies that govern corporate networks. This course helps the student prepare for the CompTIA Security+ certification exam.

**HN944401/HN94444
SOFTWARE DEVELOPMENT I & II**

Grade: 11-12

Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester Weighted

Dual Credit: MCC CSIS 123, 222, 223 (available to eligible students)

MCC requires Accuplacer placement into Math 40 or higher or an equivalent ACT score.

PREREQUISITE: GPA: 2.5 cumulative or higher; Attendance: 90% or higher; Math: Algebra II, B- or higher or previous programming knowledge; Reading/Writing: 10th grade or higher; home internet access is required; keyboarding, min. of 30 wpm

RECOMMENDED: One of the following courses: PLTW Computer Science & Software Engineering OR PLTW Computer Science Principles OR CHAOS I OR Database Management I (offered through R7 Online) Fall semester: Students will learn structured programming techniques, proper program design, and object-oriented programming concepts and skills using the C++ programming language. Topics include basic object-oriented programming, events, logic structures and simple input/output techniques.

Spring semester: Using the Java programming language, the students will focus on structured programming techniques, proper program design and object-oriented programming concepts and skills. The capstone project will provide students a unique opportunity to practice agile-based software development from application design to delivery - skills that are in high-demand in today's job market.

HEALTH SCIENCES**HN92380 PRE-ALLIED HEALTH ACADEMY**

Grade: 11-12

Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester Weighted

Dual Credit: MCC BIOL 150 Medical Terminology & ALHT 100 Introduction to Health Care Careers (2 hrs. credit each course)

MCC requires Accuplacer placement or an equivalent ACT score.

PREREQUISITE: GPA: 2.5 cumulative or higher; Attendance: 90% or higher; home internet access is required.

Other requirements: Algebra I, Biology or Chemistry, with a C or higher

Recommended: Anatomy/Physiology; Psychology

This program is for juniors and seniors interested in learning more about Allied Health careers or who would like to enter college healthcare programs after graduation. Students will be engaged in hands-on skills lab work and projects related to Dental Assisting; Health Information Technology; Occupational Therapy/Occupational Therapy Assistant; Paramedic/EMT; Physical Therapy/Physical Therapy Assistant; Radiologic Technology and Respiratory Care, Surgical Technology, Polysomnography, Chiropractic, Athletic Training, Laboratory, Pharmacy, and other allied health careers. This program allows internship and shadowing opportunities in allied health career fields. In

addition, students have opportunities to gain industry credentials such as Basic Life Saver CPR training and HIPAA credentials. Students will have to provide transportation in order to accommodate outside lab experiences and internships.

HN90364/HN90368 MEDICAL INTERVENTIONS/BIOMEDICAL INNOVATION PLTW **

Grade: 11-12

Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester Weighted

College Credit: Missouri S&T Bio Sci 1993 & 1983 (3 hrs credit each course for students completing the course with a B- or higher and receiving a 6 or higher score on the EOC) Scholarships and college credit are available at selected Universities across the U.S.

PREREQUISITE: GPA: 2.5 cumulative or higher; Attendance: 90% or higher; home internet access is required.

COURSE PREREQUISITE: PLTW Principles of Biomedical Science and PLTW Human Body Systems preferred OR two of the following science courses: biology, chemistry, anatomy and physiology, or other related sciences with a B- or higher.

Learner Profile: Independent learner; able to apply knowledge to new situations and concepts; strong desire to pursue a career in medicine; ability to read and synthesize college-level materials

Medical Interventions™ Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of the Smith family. Students conduct experiments while exploring how to prevent and fight infection, how to screen and evaluate the code in human DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Students are exposed to a wide range of interventions related to bacterial infections, surgery, genetic engineering, pharmacology, medical devices, and diagnostics. Students study real world medical problems through laboratory experiences. A background check and TB test is necessary for hospital placements.

Biomedical Innovation™ In this capstone course students design and conduct experiments related to the diagnosis, treatment, and prevention of disease or illness. They apply their prior knowledge and skills to solve problems related to Biomedical science. Students may work with a mentor or advisor from a university, hospital, or physician's office, as they complete an Independent Research Project of their own choosing.. Students

present their Independent Research Project at GKSEF and Union Station. Scholarships are awarded to top winners. Other course topics include: problems in emergency medicine, forensic autopsy, human anatomy and physiology, molecular biology, epidemiology, and water quality. Students completing all four PLTW Biomedical courses receive a white coat at an end of the year ceremony

HN92353 PRE-PROFESSIONAL NURSING

Grade: 12

Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester Weighted

Dual Credit: MCC BIO 150 (2 credit hours for eligible students); UCM NUR 1700/2710 and NUR 2000 (4 hrs credit for eligible students)

PREREQUISITE: GPA: 2.5 cumulative or higher; Attendance: 90% or higher; Math: Algebra I, C or higher; Reading/Writing: 10th grade level; Biology and Chemistry, C or higher

REQUIREMENTS for Clinical Placement: Upon approval in the program, a negative drug screen and TB skin test results (at student expense), background check and proof of immunizations

Recommended: Anatomy/Physiology (completed or concurrent enrollment); Chemistry II; Algebra II; College Prep English

This course is designed to prepare senior students, who have identified nursing as a clear career goal, for a collegiate registered nursing program. Students will learn through classroom instruction and practice in a clinical skills lab. Major units of study include nursing history and career exploration, pharmaceutical math, CPR/First Aid, nursing skills, and medical terminology. The course will introduce students to the nursing process, nursing documentation, effective communication skills and medical ethics. Students will learn and use APA style in the production of a research paper. Dual college credit options are subject to change based on instructor qualifications and college requirements. Student must provide their own transportation for clinical experiences.

CREATIVE SCIENCES

HN94433 DIGITAL MEDIA TECHNOLOGY

Grade: 11-12 Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester Weighted

Dual Credit: UCM COMM 1275 Intro to Media Tech and COMM 1519 Media Aesthetics (4 credit hours for eligible students)

PREREQUISITE: GPA: 2.5 cumulative or higher; Attendance: 90% or higher; Math: Algebra I, C or higher; Reading/Writing: 10th grade level; one credit in Fine Arts

Recommended: Computer Applications or Programming; proficiency in keyboarding. The Digital Media Technology program at Summit Technology Academy gives students an opportunity to explore and prepare for careers in arts, audio/video technology, and communications. Students will focus on the complete video and audio production workflow from preproduction through post production. They will work in teams to integrate music, graphics and video technologies in entrepreneurial projects for their schools and/or communities. Students have the opportunity to prepare for an industry-recognized certification in Apple Final Cut Pro.

HN92373 TEACHER EDUCATOR ACADEMY

Grade: 12

Credits: 3 units Weighted

Dual Credit: UCM EDFL 2100 Introduction to the Teaching Profession & EDFLDX 2150 Introduction to Field Experience (3 hrs credit for eligible students)

PREREQUISITE: GPA: 2.5 cumulative or better; Attendance: 95% or better; Math: Algebra I, C or better; Reading/Writing: 10th grade level; one full credit of child development: preschool and parenting, child and adolescent psychology, psychology, or sociology; home internet access is required.

The Teacher Educator Academy is designed for students who are considering the elementary/secondary teaching profession or a career as a corporate educator. The course offers students the opportunity to put theory into action through classroom work and the practicum. Students will develop skills and professionalism needed to succeed as an educator as they work directly with students/adults in the practicum. Each student is assigned to a district school within the high school attendance boundaries or to a corporate education department. A blended instructional model of classroom and online learning is used to deliver instruction and to provide opportunities for students to develop their beliefs and philosophy of education. Students will participate in Educators Rising as part of the course requirements. Students must provide their own transportation.

HN93634 INTERNATIONAL STUDIES ACADEMY

Grade: 11-12

Credits: 3 Units, 1.5 Fall Semester and 1.5 Spring Semester Weighted

Dual Credit: UCM POLS 2535 Model Nations (3 hrs. credit for eligible students)

PREREQUISITE: GPA: minimum 2.5 GPA cumulative or higher; Attendance: 90% or higher. Completed or enrolled in at least

level two Modern Language Course; home internet access is required.

Upon successful completion of the Summit International Studies Academy (SISA), the requirements will be met for Modern Global Issues. If a student drops out of SISA, they must take Modern Global Issues.

This course is designed for students who are passionate about world cultures, languages, and diversity. Through service projects and possible internships, students will meet and work with refugees and recent immigrants, applying content knowledge to actual, meaningful situations. A Rotary Interact club is embedded into the class which requires students to complete additional service projects on an international scale. Students will also participate in Model UN by writing position papers and studying the political/social/economic environments of individual countries. They should also be comfortable using technology, presenting in front of groups, and understand the expectations of professionalism. Students will work in teams to prepare cultural presentations for real business clients and learn about being a professional. SISA is a flexible classroom environment that simulates a realistic intercultural consulting company. Student grades are determined through a unique system where students receive a simulated salary and bonuses. Students in this program are expected to think for themselves and be able to manage projects on their own. Student will need to make arrangements for transportation to off-site presentations, optional internships, and rides home from STA on predetermined dates.

Please speak with administration if you have any transportation concerns.

HN9451/HN94512 HOSPITALITY TOURISM MANAGEMENT PROGRAM I & II

Grade: 11-12 Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester Weighted Dual Credit: Missouri State University (MSU) HRA 210 & HRA 215 (3 hrs credit each course for eligible students)

PREREQUISITE GPA: 2.5 cumulative or better; Attendance: 90% or better; Math: Algebra I, B- or better; Reading/Writing: 10th grade level

Recommended: Introduction to Human Services (offered traditional or online), Introduction to Hospitality (START), Foods 1/Culinary Foundations

Fall Semester: HTMP 1 introduces the hospitality and tourism industry on a global scale with a large focus on diversity. The program provides students with broad-based learning on the tasks, knowledge, and skills required by anyone wishing to build a career within the hospitality and tourism industry. The course incorporates

the best of modern technology with a selection of online coursework, simulations and hands on learning. This course is based on project based learning, where students will be presented with problems from hospitality professionals in the community, come up with a solution, present it to the industry professional and possible assist in the solution. Students are also able to network with individuals in their field. This course provides the instruction for students to earn certification as a Certified Guest Service Professional (CGSP®), Certified Front Desk Representative, or Certified Restaurant Server. The course also helps the student prepare for the Certified Hospitality & Tourism Management Professional (CHTMP) certification. Students will also serve as ambassadors and tour guides for groups coming in to see the programs at STA. This allows them hands on experience in hospitality. Students will be required to attend a few after school events as ambassadors.

Spring Semester: HTMP 2 prepares students for entry level jobs in the hospitality and tourism industry. The content focuses on the leadership and managerial aspects, responsibilities, knowledge, and skills required by an entry-level leader in the hospitality and tourism industry. Students are required to complete 100 hours of paid or unpaid work experience in one or more of the following qualifying positions: Accommodations, Food & Beverage, Transportation, or Attractions. Once the workplace experience is met, students are eligible for a professional certification from the American Hospitality Lodging Educational Institute. This designation is recognized internationally, and is called the Certified Hospitality & Tourism Management Professional (CHTMP).

HN9452 EXECUTIVE FINANCE AND FINTECH (PENDING BOE APPROVAL)

Grade: 11-12 Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester Weighted Dual Credit: TBD

Learner Profile: independent learner; able to apply knowledge to new situations and concepts; strong desire to pursue a career in finance; ability to read and synthesize college-level material

PREREQUISITE: GPA: 2.5 cumulative or better; Attendance: 90% or better; B- or higher in Accounting

This dynamic program is for students interested in learning advanced concepts in finance and financial technology (FinTech) careers and would like to enter college finance programs after graduation with a competitive advantage. Students will be immersed in problem-based and project-based instruction that mirrors the

current financial industry related to the following areas: Risk Management, Data Analysis (BIG DATA), Financial Technology (Fintech), Financial Modeling, Understanding Balance Sheets and P&L Statements, Economics, Communication Skills, Corporate Finance, Commercial Banking, Investment Management and Financial Advisory Insurance. This program allows internship and shadowing opportunities in financial career fields. Students will utilize the best of modern technology with a selection of online coursework, simulations and hands-on learning. Students will have to provide transportation in order to accommodate outside lab experiences and internships.

HN94441 INTERNSHIP IN MIC

Grade: 12

Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester

Dual Credit: Varies by cohort program (see MIC chart)

PREREQUISITE: ONLY AVAILABLE TO STUDENTS WHO STARTED IN MISSOURI INNOVATION CAMPUS PROGRAM PRIOR TO THEIR JUNIOR YEAR

This course is for students who will be completing an internship through one of the MIC business partners. Student will attend STA either first or second semester and will take a dual credit course through MCC as part of this course. Students should enroll in this course for the entire year.

H94418 INTERNSHIP IN STEM CAREERS

Grade: 12 Credits: 3 units, 1.5 Fall Semester, 1.5 Spring Semester

PREREQUISITE: unweighted GPA of 3.0 or higher; 95% attendance or higher

REQUIREMENTS FOR PLACEMENT: Gained technical experience through sending high school programs OR completed an STA program as a junior.

Students interested in an internship such as Cerner Scholars should apply for Internship in the STEM Careers program. Selection of Cerner Scholars is ultimately up to Cerner.

This course/internship offers students a chance to earn high school credit for a unique, problem-based learning experience in a highly competitive work environment in the areas of science, technology, engineering and math (STEM). Students will secure an internship in an area that matches their chosen area of focus. Interns will work collaboratively to solve a variety of relevant problems, as well as participate in real-work and job exploration activities. At the completion of the program, interns will demonstrate their communication and collaborative skills through a senior exposition. Student must provide their own transportation.



The following programs are offered through the Southland CAPS program. Southland CAPS instructors and the sending school must approve students interested in participating. Southland CAPS (Centers for Advanced Professional Studies) will provide students the opportunity to dive into the professional world by working on real-life projects, by having industry mentors, and by being immersed in a professional culture. Students who take CAPS will be enrolled in an exploratory program that allows them

to test-drive their future career goals in high skilled, high demand industries while earning high school credit.

Southland CAPS courses are offered daily, year-long, AM/PM session blocks at various sites throughout the Kansas City metro area. Each CAPS course may have specific requirements based on the industry partners. For more information, go to <http://www.raytownschools.org> and select Herndon Career Center/Southland CAPS.

HN9470

TECHNOLOGY SOLUTIONS

Year 3 units
Grade Level 11-12 Weighted
Prerequisite: None

Recommendations: Students need to be on track for graduation and have a desire to be in an environment that encourages teamwork in a project-based real world environment.

This course is designed for students who have an interest in the Information Technology field. This course will allow students an opportunity to discover and explore a variety of career options in the technology space as well as provide students the ability to develop professional skills employers are looking for today. Students will have the opportunity to learn from professionals about computer networking, CIS and software development, website and app creation, and more. This course is not teacher and curriculum driven. It is a hands-on, project based exploratory opportunity for students. Students should be prepared to work with professionals on real-world company based projects. Classroom location is at the Raytown Schools Educational Conference Center. Students will need to provide their own transportation. Students have the opportunity to earn college credit by dual enrollment through Northwest Missouri State University. Tuition cost is determined by the University.

HN9471

ANIMAL HEALTH SCIENCES

Year 3 units
Grade Level 11-12 Weighted
Prerequisite: None

Recommendations: Students need to be on track for graduation and have a desire to be in an environment that encourages teamwork in a project-based real world environment.

This course is designed for students who have an interest in the Animal Health field. This course will allow students an oppor-

tunity to discover and explore a variety of career options in the animal health industry. Students will have the opportunity to learn from professionals about caring for and the health of large animals, marine animals, small animals, and service animals. Students will also dive into the broad scope of medical animal research and the ethics of animal testing. This course is not teacher and curriculum driven. It is a hands on, project based exploratory opportunity for students. Students should be prepared to work with professionals on real-world company based projects. Classroom location is at the Kansas City Zoo. Students have the opportunity to earn college credit by dual enrollment through Northwest Missouri State University. Tuition cost is determined by the University.

HN9472

EDUCATION EXPLORATION

Year 3 units
Grade Level 11-12 Weighted
Prerequisite: None

Recommendations: Students need to be on track for graduation and have a desire to be in an environment that encourages teamwork in a project-based real world environment.

This course is designed for students who have an interest in learning about future careers in education. Students will have the opportunity to explore the various levels of education including Early Childhood, Elementary, Middle School and High School. Students will observe all levels of PK-12 grade instruction, collaborate with educators, and explore post-secondary opportunities for teacher education and educator employment. Location of program is to be determined. Transportation will be required. Students have the opportunity to earn college credit by dual enrollment through Northwest Missouri State University. Tuition cost is determined by the University.

HN9473

ENVIRONMENTAL PLANNING AND AWARENESS

Year 3 units
Grade Level 11-12 Weighted
Prerequisite: None

Recommendations:

Students need to be on track for graduation and have a desire to be in an environment that encourages teamwork in a project-based real world environment.

This course is designed for students who have an interest in learning about Environmental Planning and Awareness. Students will have the opportunity to learn from professionals about how we can produce enough food to feed the increasing world population while sustaining the planet, how food is processed to produce products people want to eat, and how food and products are distributed. Students will also learn about land management and planning with economic, cultural, and geographical considerations. This course is not teacher and curriculum driven. It is a hands-on, project-based exploratory opportunity for students. Students should be prepared to work with professionals on real-world company based projects. Location of program is to be determined. Transportation will be required. Students have the opportunity to earn college credit by dual enrollment through Northwest Missouri State University. Tuition cost is determined by the University.

RayPec Early College Program

In partnership with Metropolitan Community College

Beginning in the 2018-2019 school year (pending final approval from MCC), the class of 2020 and beyond will have the opportunity to simultaneously earn a high school diploma from RPHS and an Associates of Arts (AA) degree from the Metropolitan Community College system through our Early College Program. Students will achieve this through enrollment in dual credit and dual enrollment courses. Many of these courses will be offered at RPHS by our dual credit instructors. Some courses must be taken over the summer between a student's junior and senior year. Finally, some additional courses will be taken online. A total of 60 credits hours are needed to earn an AA degree. Hours must be in particular areas such as: Communication, mathematics, science, American institutions, social sciences, Western civilizations, humanities, humanities appreciation, core electives, global diversity, computer science and general electives.

By earning an associate's degree while in high school, students will find themselves up to two years ahead of their peers when entering their post-secondary school of choice. *It is important to note that it is the responsibility of the student to determine if their college of choice will accept all of the transfer credit from MCC.*

In order to enroll in any dual credit course, students must meet must meet MCC's prerequisites of:

- A 2.5 (or greater) GPA and written parent permission
- Recommendation of the principal or counselor
- A certain ACT score (exact score needed depends upon the course in which the student is enrolling) or a proficient score on the ACCUPLACER

Raymore Peculiar Dual Credit Offerings

Dual credit courses enable high school students to receive, simultaneously, both high school and college-level course credit. Students take the course at RPHS during the regular school day. The majority of dual credit courses are taught by high school faculty with supervision of on-campus college faculty. These courses provide high-performing students an affordable opportunity to experience high-quality college-level coursework. Many of the dual credit courses will need to be taken in order to earn an AA degree.

English 101—Composition and Reading I
 English 102—Composition and Reading II
 English 218—Introduction to Literature
 Communications 100—Fundamentals of Speech
 Spanish 101—Elementary Spanish I
 Spanish 102—Elementary Spanish II
 French 101—Elementary French I
 French 102—Elementary French II
 Math 115—Statistics
 Math 120—College Algebra
 Math 130—Trigonometry
 Math 180—Calculus
 History 120—U.S. History to 1865
 History 121—U.S. History from 1865
 History 133—Foundations of Western Civilization
 History 134—Modern Western Civilization

Dual Enrollment Online Offerings

Dual enrollment courses enable high school students to receive, simultaneously, both high school and college-level course credit. Students take the courses online at RPHS during the regular school day in an academic seminar setting. Dual enrollment courses are taught by full time college faculty members. These courses provide high-performing students an affordable opportunity to experience high-quality college-level coursework. In order for a student to earn an AA degree, students must enroll in approximately 20 credit hours of dual enrollment. Specific requirements can be acquired from your school counselor.

Social Science (one of the following)

Psychology 140—General Psychology

Sociology 160—Sociology

Science

Biology 132—Human Nutrition

Physics 101—Introduction to Physics

Physics 106—General Astronomy

Global Diversity

Art 108—Survey of Art

Geography 105—World Geography

History 140—African American History

Music 116—Evolution of Jazz

English 260—African American Literature

English 268—Women’s Literature

Communications 233—Interpersonal Skills

Humanities

English 222—American Literature to 1860

English 223—American Literature 1860-Present

English 268—Women’s Literature

Humanities Appreciation

Art 108—Survey of Art

Music 108—Music Appreciation

Theatre 106—Theatre Appreciation

Computer Science

Computer Science 115—Computer Science and Applications

College 100* (not dual enrollment but required for the AA degree)

SAMPLE SCHEDULE

Junior Year

RPHS English
 American Government
 Comm 100 (Comm)
 Math 120 (Math)
 West. Civ 133 (West. Civ.)
 Spanish 101/French 101 (Human Apprec.)
 English 218 (Humanities)
 Online non lab science (Science)
 *2-3 additional classes (see below)

Senior Year

English 101 (Comm)
 English 102 (Comm)
 Am. History 120 (Am. Inst)
 Online Soc. Sci. (Soc. Sci.)
 Online Global (Global Div.)
 Online Computer (Comp. Sci.)
 *4-8 additional classes (see below)

Summer Between Jr./Sr. Year

Science with lab (Science, may be online)
 College 100 (online)

*Junior or Senior Year as Schedule Allows

Core Electives (need 8 hours; hours are noted in parenthesis)

West. Civ. 134(3)	West. Civ. 134(3)	Span/French 102 (5)	
Calculus 180 (5)	Am. Hist 121 (3)	↙	↘
	Trig or Stat (3)	W. Civ/Am. Hist(3)	Trig/Stat (3)
		(134/121)	(130/115)

Electives (need 11 hours; hours are noted in parenthesis)**

↓	↓	↓	↓
Spanish 102 (5)	Spanish 102 (5)	Calculus 180 (5)	Calculus 180 (5)
French 102 (5)	French 102 (5)	Trig 130 (3)	W. Civ 134 (3)
Am. Hist 121 (3)	Calculus 180 (5)	Stat 115 (3)	Am. Hist 121 (3)
Stat 115 (3-T)	Stat 115 (3)	W. Civ 134 (3)	Trig 130 (3)
Trig 130 (3)	Trig 130 (3)	OR	OR
		Am Hist 121 (3)	Stat 115 (3-T)

For electives hours, students may also choose dual enrollment online courses that they did not take to satisfy other requirements in science, social science, global diversity or computer science. For example, if a student enrolled in online Psychology 140 to satisfy the social science requirement, he/she cannot take that course to satisfy the elective hours requirement as well.

Transfer dual credit business courses (BSAD 100 or BSAD 151) can also be used for 3-6 elective credit hours as well.

