

Pacific High School ***Academic Planning Guide***



2017 - 2018

Meramec Valley R-III School District

Academic Planning Guide

School District Website:
<http://www.mvr3.k12.mo.us>

Superintendent	Dr. Ed Hillhouse
Assistant Superintendent	Dr. Terri Parks
Assistant Superintendent	Dr. Jeremy Way
Business Manager	Ms. Joél Cracchiolo

Pacific High School
425 Indian Warpath Drive
Pacific, MO
63069
636-271-1414

High School Principal	Mr. Tom Sauvage
Assistant Principal (Grades 11 & 12)	Mr. Michael Hunter
Assistant Principal (Grade 10/Activities Director)	Mr. Andy Herbst
Assistant Principal (Grade 9)	Mr. Jeff Hermann
Guidance Counselor (A-G)	Mrs. Susan Ashby
Guidance Counselor (H-M)/Vo-Tech	Mrs. Susan Ketcherside
Guidance Counselor (N-Z)	Ms. Michel Brindell
A+ Coordinator	Mr. Quinn Flexsenhar

Notice of Nondiscrimination

Meramec Valley R-III School District does not discriminate on the basis of race, color, national origin, sex, age or disability in the admission, access to, treatment, and employment in its programs and activities.

As per Board of Education policy adopted on June 18, 2008, applicants for admission and employment, students, parents of students, employees, sources of referral of applicants for admission and employment, and all unions or professional organizations holding collective bargaining or professional agreements with Meramec Valley R-III School District are hereby notified that this District does not discriminate on the basis of race, color, national origin, sex, age or disability in admission, access to, treatment, and employment in its programs and activities.

Any person having inquiries concerning Meramec Valley R-III School District's compliance with nondiscrimination laws is directed to contact the Assistant Superintendent, 126 North Payne, Pacific, MO 63069, (636-271-1400). These non-discrimination laws include Title II of the American with Disabilities Act, the Age Discrimination Act, Title VI of the Civil Rights Act, Title IX of the Education Amendments, and Section 504 of the Rehabilitation Act.

Any person may also contact the Assistant Secretary for Civil Rights, U.S. Department of Education, regarding the District's compliance with Title II of the American with Disabilities Act, the Age Discrimination Act, Title VI of the Civil Rights Act, Title IX of the Education Amendments, and Section 504 of the Rehabilitation Act.

Mission Statement

Preparing Students for Success.

Pacific High School, working with parents and the community, will strive to prepare students to become responsible, productive members of society.

School Philosophy

We believe that....

Pacific High School strives to provide its students with a secure foundation upon which to build their futures. The students are encouraged to develop an understanding of their own worth by being challenged to grow and succeed intellectually, socially, emotionally, and physically in order to become responsible members not only of their community but also of a global society.

The school must continually be aware that the needs and abilities of the community and the students it serves are diverse and in a state of constant change. Therefore, the school must be flexible in providing the education necessary to satisfy their individual requirements. By realizing these differences, the learning environment and teaching methods should provide some flexibility so that each student has the opportunity to achieve fulfillment.

In order to accomplish these goals, it is important for students, teachers, administrators, parents, and the community to work together and to jointly accept the responsibility of providing a well-rounded education to the individual student.

Pacific High School

Meramec Valley R-III School District

425 Indian Warpath Drive
Pacific, Missouri 63069
Phone: (636) 271-1414 / Fax: (636) 271-1420

www.mvr3.k12.mo.us

Mr. Tom Sauvage, Principal
Mr. Michael Hunter, Assistant Principal
Mr. Andy Herbst, Assistant Principal / Activities
Director
Mr. Jeff Hermann, Assistant Principal



Dear Student,

Your future begins now! This academic planning guide contains a wealth of information to direct you as you dream about your future, plan your direction, and prepare for your career. Regardless of which path you choose, the ultimate goal is the same for everyone; a successful and satisfying life and career.

The term "career" does not only refer to a job, but also refers to a combination of education and lifestyle. Developing a successful and satisfying career takes years of planning, training, and hard work. Choosing the "right" career is one of the most important decisions you will make in your lifetime. It is easy to be swept along in any job situation, making as few decisions as possible. A person often furthers their education because it is the "thing to do," takes a job because they "need the money," and then follows wherever the job leads them. Others change from job to job aimlessly, hoping to find a career along the way. Those that are most satisfied with their career and life are those that make their own choices. Sit in the driver's seat of your life by making the choices of education and career.

Career Planning is designed to help you realize that you do have choices in your career development and to evaluate your options at Pacific High School. I hope you will use this academic planning guide to help you prepare for the kind of career you want by setting definite goals and by obtaining the necessary training, education, and experience during your high school years. Take control and prepare yourself for the future.

Decision-making, particularly career-oriented decision making, may seem to be a difficult task. It is also extremely exciting because you are the one who makes the decisions. You will increase your chances of success if you will take the most demanding academic subjects and as many occupational preparation courses as possible while you are at Pacific High School. The future is decided now; make the most of it by choosing wisely!

Sincerely,

Mr. Thomas R. Sauvage
Principal

Together we make a difference in doing what is best for kids!

Academic Planning Guide

Table of Contents

<u>SECTION 1: GENERAL INFORMATION & GRADUATION REQUIREMENTS</u> -----	page 1
-Career and Educational Planning Vocabulary	
-Grading Standards	
-Grade Level Classification	
-Athletics and Activities Eligibility	
-Graduation Requirements	
-Transfer Students	
 <u>SECTION 2: ACADEMIC PLANNING AND PERSONAL PLANS OF STUDY</u> -----	 page 5
-Registration Policy and Procedures	
-Minimum College Admissions Requirements	
-High School College/Career Planning Calendar	
-Career Paths	
-Crosswalk of Programs to PHS curriculum	
-Programs of Study by Career Cluster	
-Personal Program of Study (PPOS)	
 <u>SECTION 3: HONORS/COLLEGE PROGRAMS, POST-HIGH SCHOOL PLANS</u> -----	 page 22
-Missouri Career Prep Certificate	
-A+ Schools Program	
-Dual Enrollment Classes	
-Advanced Placement Courses	
-NCAA/NAIA Eligibility Standards	
-Assessments	
 <u>SECTION 4: COURSE DESCRIPTIONS</u> -----	 page 27
-Communication Arts	
-English Language Arts	(pg 27)
-Foreign Language	(pg 30)
-Mathematics	
(pg 32)	
-Science	
(pg 35)	
-Social Studies	
(pg38)	
-Fine Arts	
(pg 42)	
-Practical Arts	
(pg 45)	
-Business	(pg 45)
-Industrial Arts	(pg 47)
-Family/Consumer Sci	(pg 48)
-Marketing	(pg 50)
-Project Lead the Way	(pg 51)
-Physical Education	
(pg 54)	
-Military Leadership	
(pg 56)	
-A+/Service Classes	
(pg 58)	
-Special Education/Gifted	
(pg 59)	
 <u>SECTION 5: VOCATIONAL & TECHNICAL EDUCATION</u> -----	 page 61
-Four Rivers Career Center	
 <u>SECTION 6: CREDIT RECOVERY/INDIVIDUALIZED INSTRUCTION</u> -----	 page 69
-Correspondence Courses	
-Summer School	

SECTION 1: GENERAL INFORMATION AND GRADUATION REQUIREMENTS

Unit of Credit. One unit of credit is earned for successfully completing two semesters of course work. Courses that meet for one period per eight period cycle for one semester (excluding Academic Advisory) earn $\frac{1}{2}$ unit of credit. Academic Advisory earns $\frac{1}{4}$ credit per semester. Students are not permitted to repeat a class once they have received credit but may repeat for any course failed.

Required Course. A course which is required by the State Department of Education or Pacific High School for graduation. Required course work that is failed can be made up in summer school (if offered) or in an extra semester of work. The student may also elect to purchase on-line courses that allow the student independently to recoup credit. See Section 6: Credit Recovery/Individualized Instruction for details-page 68.

Elective. A course that a student chooses to take, but is not specifically required for graduation. Once a student has met the credit requirement in a specific subject area, any additional credits taken in that area may count as elective credits.

Attendance. The Meramec Valley R- III School District has set a goal in the Comprehensive School Improvement Plan (CSIP) that the attendance rate for students to be at 95% or above as measured by ADA and APR. Additionally, the A+ Program requires that the student have at least a 95% attendance record. In order to maintain a 95% attendance record, students should not have more than four (4) absences per class per semester. The Pacific High School Student Handbook contains additional information regarding attendance procedures.

Grade Point Average. GPA's are computed on the basis of a student's **semester** grades in all subjects. No quarter or progress grades are used to calculate GPA. The average is determined by taking the sum of all grade points earned and dividing by the number of classes taken. Weighted courses receive an extra grade point for a grade of an "A", "B", or "C". Pass/fail courses such as Aiding and Mentoring are not computed in GPA. GPA is computed as follows:

A - 4 points	Honors Courses-Weighted
B - 3 points	A - 5 points
C - 2 points	B - 4 points
D - 1 point	C - 3 points
F - 0 points	D - 1 point

Logistics of PHS Eight Block Hybrid. The student handbook provides a complete high school class schedule identifying any departure from the normal schedule listed below.

Weekly format:	Monday:	All Class Day	Periods 1, 2, 3, 5, 6, 7, 8
	Tuesday/Thursday:	Purple Day	Periods 1, 3, 5 and 7
	Wednesday/Friday:	White Day	Periods 2, 4, 6, and 8

Grading Scale.

A+ = 97 – 100%	C+ = 77 – 79%	F = 0 – 59%
A = 94 – 96%	C = 74– 76%	
A- = 90 – 93%	C- = 70 – 73%	
B+ = 87 – 89%	D+ = 67 – 69%	
B = 84 – 86%	D = 64 – 66%	
B- = 80 – 83%	D- = 60 – 63%	

Weighted Courses. Weighted courses at PHS are open to all students that meet course prerequisites. The main criteria for enrollment in a weighted course will be the student's ability, potential ability, and interests. Weighted courses attempt to meet the needs of the students by giving them the opportunity to pursue high level courses of special interest without jeopardizing their grade point average. The determination of weighted courses is based on difficulty of the curricular expectations and the availability of students to obtain college credit from a university or Advanced Placement testing. Weighted courses receive an extra grade point for a grade of A, B, or C.

SECTION 1: GENERAL INFORMATION AND GRADUATION REQUIREMENTS

Grade Classification. Students are classified by the number of semesters they attend school and the number of credits they earn. Both attendance and credit requirements must be fulfilled for a student to progress to the next grade. The classification of students per school board policy will be as follows:

To be a **sophomore** (10th grade), students must have 5.0 credits and attendance for 2 semesters.

To be a **junior** (11th grade), students must have 10.0 credits and attendance for 4 semesters.

To be a **senior** (12th grade), students must have 17.0 credits and attendance for 6 semesters.

NOTE: Although classified as a senior with 17.0 credits, a student must start his/her senior year with 18.5 credits in order to be on track for graduation at the end of senior year.

In order for a student to earn the 26 credits needed for graduation in four years, he/she must average at least 6½ credits per year for four years. Students and parents will be notified at the end of the school year if the student's classification changes.

Part - Time Attendance. A senior student eligible to attend Meramec Valley R-III School District may qualify for part-time attendance to enroll in courses at area community colleges, universities, or vocational school. Part-time attendance is permitted for students to attend a higher education facility for a portion of the school day that meet the following requirements:

1. The student must be 16 years of age or older, entering the 12th grade of schooling, eligible to graduate within eight semesters and meet graduation requirements even though attending part-time.
2. The student and parent have submitted a written request for part-time attendance to the principal prior to the semester in which the student desires part-time attendance. The written request must include a statement indicating why part-time attendance is requested.
3. The student may not enroll for less than four high school courses per semester. (Academic Advisory will be accepted as one of the four courses). The number of hours the student will be dismissed from school will be determined by the college credit load and travel time required.
4. The principal must approve part-time attendance, and with the advice of the student's counselor, determine the number of hours released that will be granted.
5. The student must maintain a minimum of six units of credit at the college, university, or vocational school each semester of part-time attendance.
6. The student must provide a course schedule from the college, university, or vocational school within ten school days to verify enrollment.
7. The student must provide a transcript from the college, university, or vocational school upon completion of the courses.

Missouri State High School Activities Association Academic Eligibility Requirements. You must be enrolled in, and regularly attending, courses that offer 3.0 units of credit or 80% of the maximum allowable credits which may be earned whichever is greater.

Credits earned or completed after the close of the semester will not fulfill this requirement. Summer school courses for academic eligibility may count provided the course is necessary for graduation or promotion (no electives), and it is placed on the school transcript. No more than one credit in summer school shall be counted toward eligibility. Correspondence courses do not count.

More detailed information is provided in Section 3: College Programs and Post High School Planning-page 22. For additional information on MSHSAA guidelines or questions, contact Mr. Andy Herbst, Athletic Director.

SECTION 1: GENERAL INFORMATION AND GRADUATION REQUIREMENTS

Graduation Requirements for Pacific High School.

A student must meet all requirements of the Meramec Valley R-III School Board and the State of Missouri to earn a diploma. Students must have twenty-six units of credit in the following fields and eight semesters of attendance.

Subject	Credits	Specifics
English	4.0	1 credit (2 semesters) each of English I, English II, English III, English IV
Mathematics	3.0	3 credits or 6 semesters of math courses
Science	3.0	3 credits or 6 semesters of science courses
Social Studies	3.0	1 credit (2 semesters) each of American History, World History and American Government
Physical Education	1.0	2 semesters of Required Physical Education
Health	0.5	1 semester of Health
Fine Art	1.0	2 semesters of Art or Music
Practical Art	1.0	2 semester of Business, Marketing, Industrial Arts, Family and Consumer Sciences, Yearbook, FRCC Vocational/Technical Courses or PLTW Courses
Personal Finance	0.5	1 semester of Personal Finance
Electives	9.0	Suggested Career Path Electives
Total	26.0	Credits required for graduation
Missouri State End of Course Exams		Algebra I, English II, Biology, American Government, State Issued ACT Exam
Constitutions		Take and pass the United States and Missouri Constitutions while in high school

A student is required to complete eight full-time semesters of attendance at the high school level before becoming eligible for graduation, unless they qualify under Early Graduation.

Transfer Students. Students who transfer from schools awarding fewer or greater credits than are available to students at Pacific High School will neither be penalized nor given advantage because of the difference in credits available. Credits will be awarded to transfer students as follows:

- Students entering from a school offering fewer credits per year than PHS may have one elective credit waived. In no case will a student be allowed to graduate with fewer than twenty-two (22) credits. A credit waiver must be completed and signed by the counselor and principal.
- Students entering from a school offering more credits per year than PHS will neither be awarded nor held accountable for credits in excess of those they could have earned had they been enrolled in PHS. Counselors will apply conversion formulas provided by sending schools when available, but

SECTION 1: GENERAL INFORMATION AND GRADUATION REQUIREMENTS

in no case will credits awarded exceed those available at PHS.

- Students entering from a school offering honors credits may receive only the number of credits or grade points per course that can be earned by PHS students. Otherwise, the credit will be accepted as a non-honors course.
- Students may transfer credits from an accredited high school or online program to Pacific High School. All course work must be completed and the transcript must be received in the Guidance Office three weeks prior to graduation.
- Any transfer student must be enrolled in the Meramec Valley R-3 School District as a full time student the entire semester preceding his/her graduation and must earn at least three (3) units of credit from the school to be awarded a certificate of graduation.
- The valedictorian and salutatorian must have been enrolled at an accredited high school for eight semesters with the last four consecutive semesters completed at PHS. In computing valedictorian and salutatorian, weighted coursework must be completed on site at PHS. In addition, correspondence and online courses, as well as summer school courses, will not be used in the calculations of valedictorian and salutatorian.

Early Graduation. A senior student who desires to graduate from high school upon completion of fewer than eight semesters of attendance may be granted permission to graduate early upon satisfaction of the following requirements:

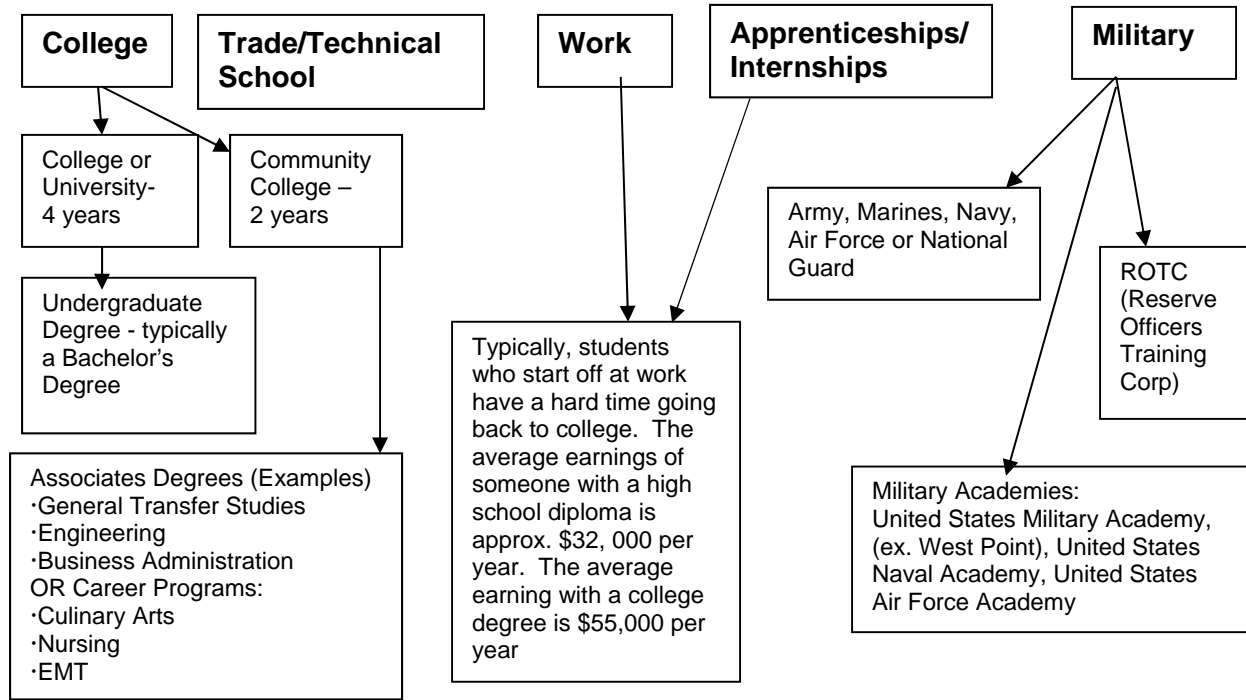
1. The student and parent have submitted a written request for early graduation to the principal of the high school no later than October 30th of the student's seventh semester of attendance.
2. The student has attained all required units of credit for graduation as established by the Board of Education. Correspondence courses and summer school courses may not be used to fulfill the credit requirements for purposes of early graduation.
3. The student and the student's parent(s) must participate in a conference with the high school guidance counselor and principal.
4. The high school principal has determined that the early graduation of the student is in the best interest of the student, considering the student's academic and disciplinary records and future educational and/or vocational plans.
5. The student has enrolled at a college, university, or vocational school for a minimum of six units of credit per semester. The student must provide a course schedule from the college, university or vocational school within ten school days to verify enrollment. The student must provide a transcript from the college, university, or vocational school upon completion of the courses.
6. The student has completed all graduation requirements established by state law and the Board of Education.

A student who is granted permission to graduate early may not loiter on school premises or participate in school-related activities. However, the student may participate in the Junior/Senior Prom and end of the year graduation ceremonies, subject to satisfactory participation in all rehearsals.

SECTION 2: ACADEMIC PLANNING AND PERSONAL PLAN OF STUDY

This academic planning guide has been prepared to assist the student in two ways: completing a Personal Program of Study (PPOS), and completing the Student Course Request Form to complete the registration process.

Options after High School. Post High School planning can never begin too early.



Registration Policy and Procedures

Points to Consider when Planning Your High School Curriculum.

1. A student's Personal Program of Study (PPOS) should be cooperatively planned by the student and the parent with the assistance of the school to meet the individual needs of the student. Students are encouraged to speak with current teachers to receive a suggested recommendation for the course(s) they should pursue next. Students should give considerable thought to the courses selected in order that the proper number of sections can be provided to accommodate as many student requests as possible. In December, students will be given a Student Course Request Form and their transcript. All students must register for a total of 7 courses each semester (14 total). **Students must enroll in both semesters of year – long classes.** All students must also provide three alternative courses in case of a scheduling conflict.
2. To meet high school graduation requirements, all students will complete a Personal Program of Study consisting of the required units of credit during grades 8, 9, 10, 11, and 12. Attention should be given to prerequisites (completion of prior courses) and the grade level required for each course. The PPOS is used to assist students and parents in making a four year plan for coursework in High School thus ensuring that courses selected are consistent with chosen career paths/clusters and that students are prepared for post-high school education. We urge you to read the course descriptions very carefully to be sure the course relates to your educational and vocational objectives, your interests, and your abilities.
3. Some courses may not be available due to enrollment numbers. Every attempt will be made to honor a student's request, but in some cases the logistics of the Master Schedule may dictate how an alternate course is used to complete a particular student's schedule. **Selection of alternative choice classes should therefore be given careful consideration by the student and the parent.**
4. All courses available in the Meramec Valley R-3 School District are approved by the Board of Education.

SECTION 2: ACADEMIC PLANNING AND PERSONAL PLAN OF STUDY

Schedule Changes.

Students have eight days at the beginning of the semester to complete the Schedule Change Request Form to change their schedule without penalty. Course changes will not be honored after five class sessions. The following questions/criteria will be used to determine whether or not schedule changes will be made:

- Is this course needed to fulfill a graduation requirement?
- Did the student request the class on his/her original Student Course Request Form?

Schedule changes will be made by the Guidance Counselor for the following reasons:

- The student does not meet the prerequisite for the course.
- The student has taken the course in summer school and earned credit for the subject.
- The student does not have a course required for graduation.
- An administrative decision has been made in the best interest of the student and the school.
- An administrative decision has been made to balance class sections.

Withdrawing / Requesting to Drop a Full Year Course-Procedure

A student may drop a full year core class after the end of the first semester only if the final grade for the first semester provides convincing evidence. A student must fill out the schedule change request form found in the Pacific High School guidance office in order to initiate the drop process. This process will encompass several steps including meeting with the counselor, classroom teacher, teacher conference with parent and possible student meeting with administrator. Acceptable reasons to request a drop are:

- The student has had an extended medical absence.
- The student is in too many difficult courses according to their ability level.
- The student chose the class and does not have the ability to be successful.

Minimum College Admission Requirements

The Missouri Coordinating Board of Higher Education has approved the following minimum recommended 17 unit core curriculum requirements for admission to all public Missouri four-year colleges and universities. Due to the ever-changing admission requirements, keep in mind these are the MINIMUM requirements for admission to SOME 4-year public colleges. **Parents and students should check individual institutions for specific requirements of each college to determine if their requirements meet or exceed those shown below.**

ENGLISH	4.0 units of which one may be Speech or Debate, 2 units emphasizing composition/writing skills
MATH	4.0 units Algebra I and above, such as Algebra II, Geometry, College Algebra, Statistics, and Calculus
SCIENCE	3.0 units, not including General Science. One must be a laboratory science
SOCIAL STUDIES	3.0 units
FOREIGN LANGUAGE	2.0 to 4.0 units of a single foreign language
FINE ARTS	1.0 unit in visual arts, music, or theatre

SECTION 2: ACADEMIC PLANNING AND PERSONAL PLAN OF STUDY

Four Year College/Career Planning Calendar

Freshman Year.

1. September. Attend a local College Fair.
2. October. Take the ACT Practice Assessment-Required.
3. January. Review your PPOS created in the 8th grade with your counselor and register for sophomore classes.
4. April/May. **Build a resume.** We encourage students to get involved in extra-curricular activities and begin tracking these and any academic awards they receive in the form of a resume.
5. Establish the best grades possible. Remember, your cumulative grade point average (GPA) is calculated at the completion of every semester.

Sophomore Year

1. September. Attend a local College Fair. Begin creating a preliminary list of colleges and/or careers that interest you.
2. October. Take the ACT Practice Assessment-Required.
3. January. Review your PPOS with your counselor and register for junior classes.
4. Earn the BEST grades possible.
5. April/May. **Continue to update/build your resume.** Get involved. Try new clubs and take on leadership roles.

Junior Year

1. September. Attend a local College Fair. You should be refining your preliminary list of colleges and/or careers that interest you. Continue attending outside college fairs whenever possible as you research and continue to narrow your career/academic choices. Set up college campus visits.
2. October. Take the PSAT-Optional assessment.
3. October. Take the ACT Practice Assessment-Required.
4. January. Review your PPOS with your counselor and register for senior classes.
5. April. Take the ACT-Required. The ACT is a college and career aptitude assessment. Your score for this test predicts your potential success in postsecondary educational facilities.
6. April/May. **Refine your resume.** Remember to get involved in extracurricular activities, community service, and leadership opportunities.

Senior Year

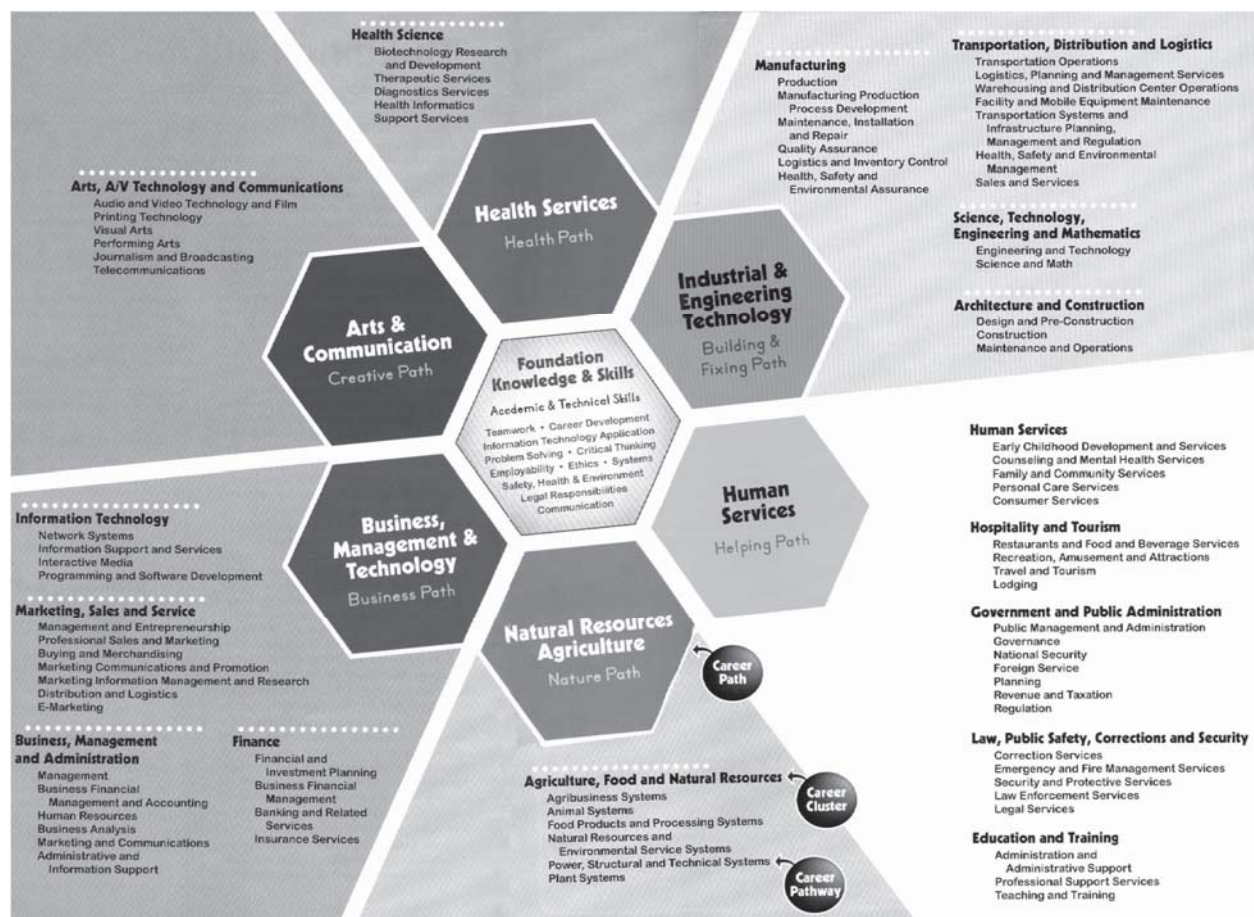
1. September. Attend a local College Fair. Finalize your list of top 3 or 4 colleges and/or career opportunities.
2. September/October. Begin the college application process.
3. Letters of Recommendation. Ask two or three teachers in your core academic areas for letters. Make sure you allow your teachers **at least two weeks** and provide them with your resume and the deadlines as well.
4. Counselor Recommendations. Please notify your counselor **at least two weeks** before your application is due in order to allow sufficient time to write the recommendation. Please provide them with a copy of your resume and the deadlines as well.
5. October. All seniors take the ASVAB-Required. This vocational skills aptitude test is mandatory for all seniors. Results are used to help you determine a career path that might be of interest to you. You will be able to compare your scores with educational or job requirements for occupations both military and non-military. For more information and practice tests, go to www.military.com/ASVAB.
6. October. Register and apply for the FAFSA. You and your parents will need to complete PIN numbers to complete the online form at www.fafsa.ed.gov. You should submit the FAFSA and any additional financial aid forms requested by the college as soon as possible. The priority deadline for financial aid is February 15.
7. Maintain **strong second semester grades.** *Colleges have the right to withdraw an acceptance offer based on your final semester grades and YES they do exercise that option.*
8. May. Fill out the final transcript request form so that an official transcript may be sent. For those students enrolled in dual credit courses, you will need to contact the registrar of the university offering the credit to request a transcript from the college showing the college credit.

SECTION 2: ACADEMIC PLANNING AND PERSONAL PLAN OF STUDY

Career Paths/Clusters

Career Paths are clusters of occupations/careers that are combined because the people in them share similar interests and strengths. Each path includes a variety of occupations requiring different levels of education and training combined into career clusters. The six career paths are: Arts & Communications (A&C); Business, Management and Technology (B,M,T); Health Services (HeaS); Human Services (HumS); Industrial and Engineering Technology (I&E); Natural Resources/Agriculture (NR).

To choose a career path, students should think about what their interests, talents, and expectations are. Students should also consider what kinds of classes they have previously enjoyed and have been successful. The intent is for students to select a general field of occupations, not a specific occupation. Students should then create/follow a Personal Program of Study mixing district requirements for graduation and crosswalk electives from your specific career path/cluster. The Programs of Study for each career cluster can aide students in selecting the appropriate courses.



For more information go to: www.missouriconnections.org

SECTION 2: ACADEMIC PLANNING AND PERSONAL PLAN OF STUDY

Pacific High School Crosswalk of Career Path/Clusters Courses



This path is designed for individuals who are creative, imaginative, artistic and innovative with good verbal and writing skills. Students should possess a strong academic foundation, strong communication skills with strong problem solving, and critical thinking skills.

Sample Careers by Education Level

On the Job Training or Less:

Actors
Bookbinders & Bindery Worker
Camera/Photographic Equipment Repairers
Communications Equipment Mechanics
Costume & Wardrobe Specialists
Dancers
Fine Artists
Floral Designers
Movie Projectionists
Musical Instrument Repairers & Tuners
Musicians and Singers
Painting, Coating, & Decorating Workers
Photographers
Potters
Printing Press Operators
Proofreaders
Ushers & Ticket Takers

Technical Training or Associate Degree:

Audio & Video Equipment Technicians
Broadcast Technicians & Sound Engineering Techs
Camera Operators, Film & Video Editors
Choreographers
Communications Equipment Mechanics
Computer, Automated Teller & Office Machine Repairers
Desktop Publishers & Page Layout Workers
Directors-Stage, Motion Pictures, TV, & Radio
Electronic Home Entertainment Equip. Installers/Repairers
Fashion Designers & Interior Designers
Fine artists, Including Painters, Sculptors, & Illustrators
Multi-Media Artists & Animators
Music Directors
Poets, Lyricists & Creative Writers
Producers
Radio Mechanics & Operators
Telecommunications Equipment Installers/Repairers

Bachelors Degree:

Agents & Business Managers
Animators & Multi-Media Artists
Art Directors & Talent Directors
Broadcast News Analysts & News Reporters
Copy Writers, Technical Writers, & Editors
Directors-Stage, Motion Pictures, TV & Radio
Film & Video Editors
Graphic Designers
Industrial Designers
Interpreters & Translators
Multi-Media Artists & Animators
Museum Technicians & Conservators
Music Composers, Directors, & Arrangers

Recommended PHS Electives:

Journalism	Creative Writing
Fundamentals of Speech	Foreign Languages
Yearbook	Physics
College Algebra	Calculus
Introduction to Business	
Law for Business & Personal Use	
Desktop Publishing and Document Formatting	
Computer Applications	
Web Design and Internet Explorations	
Computer Science Principals	
Computer Science App I & II	
Intro to Wood	Adv. Woodworking
Drafting I	Culinary Arts I & II
Fashion Design & Construction	Housing & Int. Design
Band	Choir
Art I	Design
Drawing	Ceramics
Advanced Art	Music Appreciation

Area Technical School Programs in Graphic Communications, Information Technology, Welding, and Building Trades.

Bachelors Degree (cont):

Poets, Lyricists & Creative Writers
Proofreaders & Copy Markers
Reporters & Correspondents
Set & Exhibit Designers
Vocational Education Teachers, Postsecondary

Masters Degree or More:

Art, Drama & Music Teachers, Postsecondary
Communications Teachers, Postsecondary
English Language & Literature Teachers
Historians
Librarians

For more information go to:
www.missouriconnections.org

SECTION 2: ACADEMIC PLANNING AND PERSONAL PLAN OF STUDY



This path is designed for individuals who are strong at planning, goal setting, data management, decision - making and problem – solving. Students should possess strong academic foundation with strong communication skills. Students should have good background in information technology applications with good leadership and team building skills.

Sample Careers by Education Level

On the Job Training or Less:

Advertising Salespeople
 Bill & Account Collectors
 Billing Clerks
 Bookkeeping & Accounting Clerks
 Brokerage Clerks
 Cashiers
 Computer Operators
 Couriers & Messengers
 Credit Checkers & Authorizers
 Data Entry
 Demonstrators & Promoters
 File Clerks
 Human Resources Assistants
 Insurance Policy & Claims Clerk
 Loan Clerks
 Mail Clerks
 Models
 Order Clerks & Stock Clerks
 Parts Salespeople
 Payroll & Timekeeping Clerks
 Receptionists
 Retail Salespeople/Route Salespeople
 Secretaries/Typists
 Shipping & Receiving Clerks
 Telemarketers

Technical Training or Associates Degree:

Claims Examiners, Property & Casualty Insurance
 Computer Operators
 Computer Support Specialists
 Court Reporters
 Fashion Designers
 First-Line Supervisors/Managers
 General & Operations Managers
 Insurance Appraisers, Auto Damage
 Insurance Sales Agents
 Interior Designers
 Lodging Managers
 Network Systems & Data Communications Analysts
 Numerical Tool & Process Control Programmers
 Production & Operating Workers
 Property, Real Estate & Community Assoc Mangers
 Real Estate Brokers
 Travel Agents/Travel Guides
 Wholesale & Retail Buyers
 Web Administrators/ Web Developers

Bachelors Degree:

Accountants & Auditors
 Advertising Managers
 Appraisers & Assessors
 Art Directors
 Budget Analysts
 Computer & Information Systems Manager
 Computer Engineers

Recommended PHS Electives:

Journalism	Creative Writing
Fundamentals of Speech	Foreign Languages
College Algebra	Calculus
Statistics	Physics
Sociology	Psychology I & II
Advanced U.S. History	
Advanced European History	
Intro to Engineering Design	Digital Electronics
Principles of Engineering Design	
Law for Business & Personal Use	
Introduction to Business	
Desktop Publishing and Document Formatting	
Computer Applications	
Computer Science Applications I & II	
Computer Science Principals	
Web Design and Internet Explorations	
Fashion Design & Construction	Personal Finance
Marketing I & II	Accounting I & II
Marketing Internship I & II	Entrepreneurship
Sports & Entertainment Marketing	
Child Development I & II	

Area Technical School Programs in Graphic Communications, Business CAPS Ignite and Information Technology

Bachelors Degree (cont.):

Computer Programmers
 Computer Security Specialists
 Computer Software Engineers
 Computer Systems Analysts
 Database Administrators
 Financial Analysts
 Graphic Designers
 Human Resources Managers
 Insurance Underwriters
 Market Research Analysts
 Meetin & Convention Planner
 Multit-Media Artists & Animators
 Network & Computer Systems Administrators
 Property & Real Estate Managers
 Public Relations Managers & Specialists
 Sales Representatives
 Storage & Distribution Managers
 Technical Writers

Masters Degree or More:

Actuaries
 Business Teachers, Postsecondary
 Computer & Information Research Scientists
 Controller, Treasurers
 Economists
 Medical & Health Services Managers
 Statisticians

SECTION 2: ACADEMIC PLANNING AND PERSONAL PLAN OF STUDY



This path is designed for individuals who like to help others, are interested in new diseases, how the body works, and the overall promotion of health and treatment of diseases. Students should possess a strong academic foundation with excellent communication skills, understand legal and ethical practices, strong information technology skills as well as teamwork skills.

Sample Careers by Education Level

On the Job Training or Less:

Dental Laboratory Technicians
Home Health Aides
Medical Appliance Technicians
Medical Assistants
Medical Secretaries
Personal and Home Care Aides
Pharmacy Aides
Physical Therapist Aides

Technical Training or Associates Degree:

Cardiovascular Technologists
Dental Hygienists
Emergency Medical Technicians
Health Information Technicians
Licensed Practical Nurses
Medical Laboratory Technicians
Medical Sonographers
Medical Transcriptionists
Nursing Assistants
Occupation Therapist Assistants
Physical Therapist Assistants
Radiation Therapists
Radiologic Technologists
Registered Nurses
Respiratory Therapists
Surgical Technologists
Veterinary Technologists & Technicians

Bachelors Degree:

Administrative Services Managers
Athletic Trainers
Biomedical Engineers
Computer Programmers
Computer Software Engineers
Dietitians
Health Educators
Medical & Clinical Laboratory Technologists
Medical laboratory Technologists
Occupational Health & Safety Specialists
Orthotic & Prosthetic Specialists
Public Relation Relations Specialists
Recreational Therapists
Rehabilitation Counselors

Masters Degree or More:

Athletic Trainers, Physical & Occupational Therapists
Biologists, Physicists, Hydrologists, Epidemiologists
Clinical Psychologists & Mental Health Counselors
Computer & Information Scientists, Research
Dietitians & Nutritionists
Health Specialties Teachers, Postsecondary

Recommended PHS Electives:

Journalism	Creative Writing
Fundamentals of Speech	Foreign Languages
College Algebra	Calculus
Statistics	Physics
Anatomy & Physiology	Advanced Chemistry I
Advanced Biology I	Sociology
Psychology I & II	Chemistry II
Law for Business & Personal Use	
Desktop Publishing and Document Formatting	
Computer Science Applications I & II	
Computer Science Principals	
Web Design and Internet Explorations	
Computer Applications	Intro to Business
Accounting I & II	Culinary Arts I & II
Child Development I & II	Family Relations
Aerobics	Weight Training
MCJROTC	Biology II

Area Technical School Programs in Health Occupations, Teaching Careers, Culinary Arts and Information Technology

Family & Consumer Science Teachers,
Medical & Health Services Managers,
Medical Scientists, Except Epidemiologists
Nurse Anesthetists
Nurses
Orthotics & Prosthetics
Pharmacists
Physicians
Physician Assistants
Speech & Language Pathologists
Teachers, Communications, Postsecondary
Veterinarians

For more information go to:
www.missouriconnections.org

SECTION 2: ACADEMIC PLANNING AND PERSONAL PLAN OF STUDY



This path is designed for individuals who are friendly and outgoing and are interested in making life better for others in the areas of economic, political and social systems. Students should possess a strong academic foundation with strong communication, critical thinking & problem solving skills. A strong interest in Health, Safety and Environment and an understanding of legal and ethical issues are necessary.

Sample Careers by Education Level

On the Job Training or Less:

Ambulance Drivers	Government Benefits Interviewers
Amusement/Recreation Workers	Hotel Desk Clerks
Animal Control Workers	Janitors & Cleaners
Audio Visual Specialists	Laundry/Dry Cleaning workers
Baggage Porters & Bellhops	Library Assistant
Bailiffs	License Clerks
Bartenders	Lifeguards & Ski Patrollers
Casino Gaming Workers	Maids & Housekeepers
Chefs & Dinner Cooks	Mail Carriers
Child Care Workers	Meter Readers
Coaches & Scouts	Parking Enforcement Workers
Compliance Officers & Inspectors	Postal Clerk
Concierges	Police/ Fire Ambulance Dispatchers
Corrections Officers	Recreation Guides
Counter Attendants	Reservation /Ticket Agents
Court Clerks	Residential Counselors
Crossing Guards	Security Guards
Customer Service Representatives	Sheriffs
Fast Food Cooks	Teacher Aides
Food Preparation Workers	Tour Guides
Funeral Attendants	Transportation Security Agents
Gaming Investigators	Umpires & Referees
Gaming Surveillance Officers	Waiters/Waitresses/Hosts

Technical Training or Associates Degree:

Adult/Vocational Educ. Instructors	Licensing Examiners/Inspectors
Animal Trainers	Lodging Managers
Assessors	Manicurist
Barbers	Mapping Technician
Correctional Officers/Jailers	Municipal & Court Clerks
Cosmetologists	Paralegals/Legal Assistants
Court Reporters	Police Detectives
Embalmers	Police Patrol Officers
EMT/Paramedics	Postmaster/Mail Superintendants
Fire Fighters	Preschool Teachers
Fire Inspectors/Investigators	Private Detectives/Investigators
Fitness Trainers	Professional Make-Up Artists
Flight Attendant	Skin Care Specialists
Food Service Managers	Sheriffs/Deputy Sheriffs
Forest Fire Fighters	Teacher Assistants
Funeral Directors	Ticket Agents
Government Property Inspectors	Transit/Railroad Police
Legal Secretaries	Travel Agent/Reservation clerks

Bachelors Degree:

Adult Literacy/GED Teachers	Elementary Teachers
Adult/Vocational Ed. Teachers	Emergency Mgt Specialists
Arbitrators/Mediators	Financial Examiners
Broadcast News Analysts	Forensic Science Technicians
City/Regional Planning Aides	Health Educators
Coroners	High School Teachers
Correctional Treatment Specialists	Immigration/Customs Inspectors
Criminal Investigators	Interpreter/Translators
Early Childhood Educators	Judges
Education Administrators	Law Clerks

Recommended PHS Electives:

Fundamentals of Speech	Creative Writing
Foreign Languages	College Algebra
Environmental Science	Calculus
Advanced Chemistry I	Physics
Advanced Biology I	Statistics
Anatomy & Physiology	Geography
Advanced U.S. History	Sociology
20 th Cent. History	Psychology I & II
Advanced European History	
Desktop Publishing and Document Formatting	
Law for Personal & Business Use	
Computer Science Principals	
Computer Science Applications I & II	
Web Design and Internet Explorations	
Computer Applications	Intro to Business
Accounting I & II	Entrepreneurship
Child Development I & II	Family Relations
Culinary Arts I & II	Personal Finance
Aerobics	Weight Training
MCJROTC	

Area Technical School Programs in Health Occupations, Information Technology, Graphic Communications, Teaching Careers, Culinary Arts, Business CAPS Ignite, and Agriculture Education

Bachelors Degree (cont):

Legislators	Rehabilitation Counselors
Kindergarten Teachers	Reporters/Correspondents
Middle School Teachers	Set/Exhibit Designers
Poets/Lyricists	Social Worker
Probation Officers	Special Education Teachers
Public Relations Specialists	Urban & Regional Planners
Recreation Workers	

Masters Degree or more:

Audiologist	
Child/Family/School Social Workers	
Clergy	
College/University Administrators	
Economists	
Educational Administrators	
Historians	Speech Pathologists
Lawyers	Substance Abuse Counselor
Librarians	Teachers, Postsecondary
Marriage/Family Therapists	
Mental Health Counselors	
Psychologists	
Rehabilitation Counselors	
School Counselors	
School Psychologists	

SECTION 2: ACADEMIC PLANNING AND PERSONAL PLAN OF STUDY



This path is designed for individuals who are mechanically inclined, practical, like to build things and understand how they function. Students should possess strong academics with extremely strong problem solving and critical thinking skills. Knowledge of and application of technical skills are important. Students should possess the ability to assume leadership roles and work well in a team setting. Strong communication skills are required.

Sample Careers by Education Level

On the Job Training or Less:

Air Traffic Controllers
 Auto Body Repairers
 Bicycle Repairers
 Bus Drivers/School Bus Drivers
 Cabinetmakers/Carpenters
 Crane & Tower Operators
 Dispatchers & Traffic Technicians
 Drywall Finishers/Installers & Plasterers
 Fence Builders
 Flight Attendants
 Freight Handlers
 Heavy Truck Drivers
 Highway Maintenance Workers
 Line Installers & Repairers
 Locksmiths
 Metal & Plastic Processing Workers
 Painting/Coating Machine Operators
 Parking Lot Attendants
 Power Plant Operators
 Quality Control Inspectors
 Roofers
 Service Station Attendants, Tire Repairers
 Sheet Metal Workers & Structural Metal Workers
 Small Engine Mechanics
 Surveying & Mapping Technician
 Tailors
 Tile Setters
 Upholsterers

Technical Training or Associates Degree:

Aircraft Mechanic
 Automobile Mechanic
 Automotive Electronics Installer
 Commercial Divers
 Computer, ATM, & Office Machine Repairers
 Diesel Engine Mechanic
 Drafters
 Electric Motor Repairers
 Electrical/Electronics Installer/Repairers
 Energy Auditors
 Engineering Technicians
 Home Electronics Repairers
 Industrial Electronics Repairers
 Interior Designers
 Jewelers
 Motorboat/Motorcycle Mechanics
 Security/Fire Alarm Installers
 Signal & Track Switch Repairers
 Traffic Technicians
 Transportation Vehicle, Equipment/System Inspector
 Welders & Solderers

Bachelors Degree:

Aerospace Engineers
 Airline Pilot

Recommended PHS Electives:

Fundamentals of Speech	Creative Writing
Foreign Languages	Journalism
Yearbook	
College Algebra	Statistics
Calculus	Physics
Advanced Chemistry I	Advanced Biology I
Psychology I & II	Sociology
Intro to Engineering Design	
Principles of Engineering Design	
Digital Electronics	
Aerospace Engineering	
Computer Science Principals	
Computer Science Applications I & II	
Web Design and Internet Explorations	
Desktop Publishing and Document Formatting	
Law for Personal & Business Use	
Computer Applications	Intro to Business
Entrepreneurship	Accounting I & II
Personal Finance	Drafting I
Art I	Design
Drawing	Ceramics
Intro to Wood	Adv. Woodworking
Marketing I & II	MCJROTC

Area Technical School Programs in Graphic Communications, Information Technology, Welding, Building & Construction Trades, Collision Repair, Automotive Technology, Teaching Careers, Health Occupations, and Machine Tool Technology

Bachelors Degree (cont):

Architects	Mechanical Engineers
Biomedical Engineers	Meteorologists
Cartographers	Mining Engineers
Chemists	Nuclear Engineers
Civil Engineers	Occupational Health/Safety Spec.
Construction Managers	Petroleum Engineers
Electrical Engineers	Photonics Engineers
Environmental Engineers	Safety Engineers
Industrial Engineers	Storage/Distribution Managers
Landscape Engineers	Surveyors
Logisticians	

Masters Degree or More:

Anthropologists	Historians
Archeologists	Mathematicians
Astronomers	Robotics Engineers
Geologists/Geophysicists	Sociologists

SECTION 2: ACADEMIC PLANNING AND PERSONAL PLAN OF STUDY



This path is designed for individuals who are friendly and outgoing and are interested in making life better for others in the areas of economic, political and social systems. Students should possess strong leadership and organizational skills. Knowledge of technology, tools, equipment, and machinery are very important.

Sample Careers by Education Level

On the Job Training or Less:

Animal Caretakers
Animal Trainers
Bakers
Commercial Fishers
Farm & Ranch Workers
Farm Equipment Mechanics
Farmers
Food Processing Workers
Log Graders & Scalars
Loggers
Meat Cutters
Mining Machine Operators
Nursery Workers
Rock Splitters
Trash Collectors
Water Treatment Plant Operators

Technical Training or Associate Degree:

Fish & Game Wardens
Forestry Technicians
Precision Agriculture Technicians
Veterinary Assistants

Bachelors Degree:

Agricultural Engineers
Agricultural Scientists
Animal Scientists
Conservation Scientists
Farm & Home Management Advisors
Food Scientists
Foresters
Park Naturalists
Zoologists

Masters Degree or More:

Agricultural Sciences Teachers, Postsecondary
Animal Scientists
Farm & Home Management Advisors
Veterinarians
Zoologists and Wildlife Biologists

Recommended PHS Electives:

Fundamentals of Speech	Creative Writing
Journalism	Foreign Languages
College Algebra	Statistics
Calculus	Astronomy
Advanced Chemistry I	Physics
Advanced Biology I	Environmental Science
Psychology I & II	Sociology
Adv. Survey of Am. History	
Intro to Engineering Design	
Principles of Engineering Design	
Digital Electronics	
Web Design and Internet Explorations	
Desktop Publishing and Document Formatting	
Law for Personal & Business Use	
Computer Applications	Intro to Business
Entrepreneurship	Accounting I & II
Marketing I & II	Intro to Woodworking
Adv. Woodworking	Drafting I
Culinary Arts I & II	MCJROTC

Area Technical School Programs in Agriculture, Welding, Machine Tool Technology, Information Technology Teaching Careers, Culinary Arts, and Health Occupations

For more information go to:
www.missouriconnections.org

**NATURAL
RESOURCES &
AGRICULTURE**
Nature Path

Pacific High School
Program of Study Template
1.) Career Cluster- Agriculture, Food & Natural Resources
www.mvr3.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Four Rivers Career Center	Additional Learning Opportunities
Secondary	9	ENGLISH I ENGLISH ELECTIVE	ALGEBRA I or GEOMETRY	ADVANCED BIOLOGY I	AMERICAN HISTORY	1 CREDIT REQUIRED PE 0.5 CREDIT HEALTH 1 CREDIT FINE ART FOREIGN LANGUAGE I † RECOMMENDED PHS ELECTIVES		† Recommended PHS Elective <input type="checkbox"/> Psychology I & II <input type="checkbox"/> Sociology <input type="checkbox"/> *Adv. American History <input type="checkbox"/> *Adv. European History <input type="checkbox"/> = *Intro to Engineering Design <input type="checkbox"/> = *Principles of Engineering <input type="checkbox"/> = *Digital Electronics <input type="checkbox"/> = *Aerospace Engineering <input type="checkbox"/> = *Computer Science Principals <input type="checkbox"/> = *Computer Science App I & II <input type="checkbox"/> = *DTP & Document Formatting <input type="checkbox"/> = *Computer Applications <input type="checkbox"/> = Web Design & Internet Exp. <input type="checkbox"/> *Intro to Business <input type="checkbox"/> Law for Bus. & Personal Use <input type="checkbox"/> Entrepreneurship <input type="checkbox"/> *Accounting I & II <input type="checkbox"/> *Marketing I & II <input type="checkbox"/> Introduction to Wood <input type="checkbox"/> Advanced Woodworking <input type="checkbox"/> Culinary Arts I & II
	10	ENGLISH II ENGLISH ELECTIVE	GEOMETRY or ALGEBRA II	ADVANCED CHEMISTRY I	WORLD HISTORY	PERSONAL FINANCE FOREIGN LANGUAGE II † RECOMMENDED PHS ELECTIVES		
	11	ENGLISH III or *ADVANCED ENGLISH III ENGLISH ELECTIVE	ALGEBRA II or PRE-CALCULUS	BIOLOGY II (WEIGHTED) I or *CHEMISTRY II (WEIGHTED) I (5) or ANATOMY & PHYSIOLOGY	AMERICAN GOVERNMENT † SOCIAL STUDIES ELECTIVE	1 CREDIT PRACTICAL ART FOREIGN LANGUAGE III † RECOMMENDED PHS ELECTIVES	*WELDING TECHNOLOGY I *CULINARY I AGRICULTURE ED I *MACHINE TOOL I *INFORMATION TECH I	
	12	ENGLISH IV Or *ADVANCED ENGLISH IV ENGLISH ELECTIVE	PRE-CALCULUS or *CALCULUS or PROBABILITY & STATISTICS	BIOLOGY II (WEIGHTED) I or *CHEMISTRY II (WEIGHTED) I (5) or ANATOMY & PHYSIOLOGY or ZOOLOGY/BOTONY or ENVIRONMENTAL SCIENCE	† SOCIAL STUDIES ELECTIVE	FOREIGN LANGUAGE IV † RECOMMENDED PHS ELECTIVES	*WELDING TECHNOLOGY II *+WELDING TECHNOLOGY I AGRICULTURE ED II +AGRICULTURE ED I *CULINARY II *+CULINARY I *MACHINE TOOL II *+MACHINE TOOL I *INFORMATION TECH II *+INFORMATION TECH I *TEACHING CAREERS *HEALTH OCCUPATIONS	Placement Assessments: <input type="checkbox"/> ACT Pre-Test- 9 th and 10 th <input type="checkbox"/> PSAT-11 th <input type="checkbox"/> ACT-11 th <input type="checkbox"/> ASVAB-12 th Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Ecology Club <input type="checkbox"/> Key Club <input type="checkbox"/> A+ Program

=Articulated Credit

* Dual Credit

= + Prerequisites

INDUSTRIAL & ENGINEERING TECHNOLOGY
Building & Fixing Path

Pacific High School

Program of Study Template

- 1.) Career Cluster-Architecture & Construction; 2.) Career Cluster-Manufacturing
3.) Career Cluster-Transportation, Distribution & Logistics;
4.) Career Cluster-Science, Technology, Engineering & Mathematics
www.mvr3.k12.mo.us

Minimum Graduation Requirements SUGGESTED COURSE OF HIGH SCHOOL STUDY
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Four Rivers Career Center	Additional Learning Opportunities
Secondary	9	ENGLISH I ENGLISH ELECTIVE	ALGEBRA I or GEOMETRY	ADVANCED BIOLOGY I	AMERICAN HISTORY	1CREDIT REQUIRED PE 0.5 CREDIT HEALTH 1CREDIT FINE ART FOREIGN LANGUAGE I =*INTRO TO ENGINEERING DESIGN COMP SCIENCE PRINCIPLES †RECOMMENDED PHS ELECTIVES		† Recommended PHS Elective <input type="checkbox"/> Psychology I & II <input type="checkbox"/> Sociology <input type="checkbox"/> *Adv. American History <input type="checkbox"/> *Adv. European History <input type="checkbox"/> =*DTP & Document Formatting <input type="checkbox"/> =*Computer Applications <input type="checkbox"/> = Web Design& Internet Explor.. <input type="checkbox"/> Computer Science Principals <input type="checkbox"/> Computer Science App I & II <input type="checkbox"/> *Intro to Business <input type="checkbox"/> Law for Bus. & Personal Use <input type="checkbox"/> Entrepreneurship <input type="checkbox"/> *Accounting I & II <input type="checkbox"/> Art I, Design, Drawing, Ceramics <input type="checkbox"/> *Marketing I & II <input type="checkbox"/> Introduction to Wood <input type="checkbox"/> Advanced Woodworking <input type="checkbox"/> *Drafting I <input type="checkbox"/> MCJROTC <input type="checkbox"/> Yearbook
	10	ENGLISH II ENGLISH ELECTIVE	GEOMETRY or ALGEBRA II	ADVANCED CHEMISTRY I	WORLD HISTORY	PERSONAL FINANCE FOREIGN LANGUAGE II =*PRINCIPLES OF ENGINEERING =* COMPUTER SCIENCE APP. I †RECOMMENDED PHS ELECTIVES		
	11	ENGLISH III or *ADVANCED ENGLISH III ENGLISH ELECTIVE	ALGEBRA II or PRE-CALCULUS	BIOLOGY II (WEIGHTED) or *CHEMISTRY II (WEIGHTED) (5) or PHYSICS	AMERICAN GOVERNMENT † SOCIAL STUDIES ELECTIVE	1 CREDIT PRACTICAL ART FOREIGN LANGUAGE III =*DIGITAL ELECTORONICS =* COMPUTER SCIENCE APP. II †RECOMMENDED PHS ELECTIVES	*WELDING TECHNOLOGY I * BUILDING CONSTRUCT I *INFORMATION TECH I *MACHINE TOOL I *AUTOMOTIVE TECH I *COLLISION REPAIR I *GRAPHIC COMM I	
	12	ENGLISH IV or *ADVANCED ENGLISH IV ENGLISH ELECTIVE	PRE-CALCULUS or *CALCULUS and PROBABILITY & STATISTICS	BIOLOGY II (WEIGHTED) or *CHEMISTRY II (WEIGHTED) (5) or ANATOMY & PHYSIOLOGY or PHYSICS	† SOCIAL STUDIES ELECTIVE	FOREIGN LANGUAGE IV *AEROSPACE ENGINEERING †RECOMMENDED PHS ELECTIVES	*WELDING TECHNOLOGY II +*WELDING TECHNOLOGY I *BUILDING CONSTRUCT II +* BUILDING CONSTRUCT I *INFORMATION ECH II +*INFORMATION TECH I *MACHINE TOOL II +*MACHINE TOOL I *AUTOMOTIVE TECH II +*AUTOMOTIVE TECH I *COLLISION REPAIR II +*COLLISION REPAIR I *GRAPHIC COMM II +*GRAPHIC COMM I *HEALTH OCCUPATIONS *TEACHING CAREERS	Placement Assessments: <input type="checkbox"/> ACT Pre Test- 9 th & 10 th grade <input type="checkbox"/> PSAT-11 <input type="checkbox"/> ACT-11 <input type="checkbox"/> ASVAB-12th Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Scholar Team <input type="checkbox"/> A+ Program

=Articulated Credit * Dual Credit

= + Prerequisites

ARTS & COMMUNICATION

Creative Path

Pacific High School
Program of Study Template
 1.) Career Cluster Arts, A/V Technology & Communications
 www.mvr3.k12.mo.us

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Four Rivers Career Center	Additional Learning Opportunities
Secondary	9	ENGLISH I ENGLISH ELECTIVE	ALGEBRA I or GEOMETRY	ADVANCED BIOLOGY I	AMERICAN HISTORY	1CREDIT REQUIRED PE 0.5 CREDIT HEALTH 1CREDIT FINE ART FOREIGN LANGUAGE I COMP SCIENCE PRINCIPLES †RECOMMENDED PHS ELECTIVES		† Recommended PHS Elective <input type="checkbox"/> Psychology I & II <input type="checkbox"/> Sociology <input type="checkbox"/> =*DTP & Document Formatting <input type="checkbox"/> =*Computer Applications <input type="checkbox"/> =Web Design & Internet Exp. <input type="checkbox"/> =Multimedia <input type="checkbox"/> Computer Science Principles <input type="checkbox"/> Computer Science App I & II <input type="checkbox"/> *Intro to Business <input type="checkbox"/> Law for Bus. & Personal Use <input type="checkbox"/> Art I, Design, Drawing, Ceramics <input type="checkbox"/> Art Seminar <input type="checkbox"/> Introduction to Wood <input type="checkbox"/> Advanced Woodworking <input type="checkbox"/> Music Appreciation <input type="checkbox"/> Culinary Arts I & II <input type="checkbox"/> Fashion Design <input type="checkbox"/> Housing & Int. Design <input type="checkbox"/> Choir <input type="checkbox"/> Band <input type="checkbox"/> Yearbook Placement Assessments: <input type="checkbox"/> ACT Pre-Test-9 th & 10 th grade <input type="checkbox"/> PSAT-11 <input type="checkbox"/> ACT-11th <input type="checkbox"/> ASVAB-12th Student Organizations: <input type="checkbox"/> Drama Club <input type="checkbox"/> Speech Team <input type="checkbox"/> CAP (Creative Artistic People) <input type="checkbox"/> Foreign Language Club <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> A+ Program
	10	ENGLISH II ENGLISH ELECTIVE	GEOMETRY or ALGEBRA II	ADVANCED CHEMISTRY I	WORLD HISTORY	PERSONAL FINANCE FOREIGN LANGUAGE II COMP SCIENCE APP. I †RECOMMENDED PHS ELECTIVES		
	11	ENGLISH III or *ADVANCED ENGLISH III ENGLISH ELECTIVE	ALGEBRA II or PRE-CALCULUS	BIOLOGY II (WEIGHTED) or *CHEMISTRY II (WEIGHTED) (5) or ANATOMY & PHYSIOLOGY	AMERICAN GOVERNMENT † SOCIAL STUDIES ELECTIVE	1 CREDIT PRACTICAL ART FOREIGN LANGUAGE III COMP SCIENCE APP. II †RECOMMENDED PHS ELECTIVES	*GRAPHIC COMM I *INFORMATION TECH I *WELDING I	
	12	ENGLISH IV or *ADVANCED ENGLISH IV ENGLISH ELECTIVE	PRE-CALCULUS or *CALCULUS or PROBABILITY & STATISTICS	BIOLOGY II (WEIGHTED) or *CHEMISTRY II (WEIGHTED) (5) or ANATOMY & PHYSIOLOGY or ASTRONOMY	† SOCIAL STUDIES ELECTIVE	FOREIGN LANGUAGE IV †RECOMMENDED PHS ELECTIVES	*GRAPHIC COMM II +*GRAPHIC COMM I *INFORMATION TECH II +*INFORMATION TECH I *WELDING II *+ WELDING I *BUSINESS CAPS IGNITE	

=Articulated Credit

* Dual Credit

= + Prerequisites

**BUSINESS,
MANAGEMENT &
TECHNOLOGY**

Organizer Path

Pacific High School
Program of Study Template

- 1.) Career Cluster Business Management & Administration;
2.) Career Cluster-Marketing, Sales and Service;
3.) Career Cluster-Information Technology; 4.) Career Cluster-Finance
www.mvr3.k12.mo.us

Minimum Graduation Requirements SUGGESTED COURSE OF HIGH SCHOOL STUDY
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Four Rivers Career Center	Additional Learning Opportunities
Secondary	9	ENGLISH I ENGLISH ELECTIVE	ALGEBRA I or GEOMETRY	ADVANCED BIOLOGY I	AMERICAN HISTORY	1 CREDIT REQUIRED PE 0.5 CREDIT HEALTH 1 CREDIT FINE ART FOREIGN LANGUAGE I COMP SCIENCE PRINCIPLES † RECOMMENDED PHS ELECTIVES		† Recommended PHS Elective <input type="checkbox"/> Psychology I & II <input type="checkbox"/> Sociology <input type="checkbox"/> *Adv. American History <input type="checkbox"/> *Adv. European History <input type="checkbox"/> =*Intro to Engineering Design <input type="checkbox"/> =*Principles of Engineering <input type="checkbox"/> *Digital Electronics <input type="checkbox"/> Computer Science Principles <input type="checkbox"/> Computer Science App I & II <input type="checkbox"/> =*DTP & Document Formatting <input type="checkbox"/> =*Computer Applications <input type="checkbox"/> =Web Design& Internet Exp. <input type="checkbox"/> = Multimedia <input type="checkbox"/> *Intro to Business <input type="checkbox"/> Entrepreneurship <input type="checkbox"/> *Accounting I & II <input type="checkbox"/> *Marketing I & II <input type="checkbox"/> Sports & Entertainment Mktg <input type="checkbox"/> Child Development I & II <input type="checkbox"/> Marketing Internships I & II
	10	ENGLISH II ENGLISH ELECTIVE	GEOMETRY or ALGEBRA II	ADVANCED CHEMISTRY I	WORLD HISTORY	PERSONAL FINANCE FOREIGN LANGUAGE II COMPUTER SCIENCE APP I † RECOMMENDED PHS ELECTIVES		
	11	ENGLISH III or *ADVANCED ENGLISH III ENGLISH ELECTIVE	ALGEBRA II or PRE-CALCULUS	BIOLOGY II (WEIGHTED) or *CHEMISTRY II (WEIGHTED) (5) or ANATOMY & PHYSIOLOGY	AMERICAN GOVERNMENT † SOCIAL STUDIES ELECTIVE	1 CREDIT PRACTICAL ART FOREIGN LANGUAGE III COMP SCIENCE APP II † RECOMMENDED PHS ELECTIVES	*GRAPHIC DESIGN I *INFORMATION TECH I	
	12	ENGLISH IV or *ADVANCED ENGLISH IV ENGLISH ELECTIVE	PRE-CALCULUS or *CALCULUS or PROBABILITY & STATISTICS	BIOLOGY II (WEIGHTED) or *CHEMISTRY II (WEIGHTED) (5) or ANATOMY & PHYSIOLOGY or PHYSICS or ENVIRONMENTAL SCIENCE	† SOCIAL STUDIES ELECTIVE	FOREIGN LANGUAGE IV † RECOMMENDED PHS ELECTIVES	*GRAPHIC DESIGN II +*GRAPHIC DESIGN I *INFORMATION TECH II +*INFORMATION TECH I	Placement Assessments: <input type="checkbox"/> ACT Pre-Test- 9 th & 10 th grade <input type="checkbox"/> PSAT-11 <input type="checkbox"/> ACT-11 <input type="checkbox"/> ASVAB-12th

=Articulated Credit * Dual Credit

= + Prerequisites



Pacific High School
 Program of Study Template
 1.) Career Cluster Education & Training;
 2.) Career Cluster-Government and Public Administration
 3.) Career Cluster-Law, Public Safety, Corrections and Security
 4.) Career Cluster-Hospitality and Tourism; 5.) Career Cluster-Human Services
 www.mvr3.k12.mo.us

SUGGESTED COURSE OF HIGH SCHOOL STUDY
 It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options		Additional Learning Opportunities
Secondary	9	ENGLISH I ENGLISH ELECTIVE	ALGEBRA I or GEOMETRY	ADVANCED BIOLOGY I	AMERICAN HISTORY	1CREDIT REQUIRED PE 0.5 CREDIT HEALTH 1CREDIT FINE ART FOREIGN LANGUAGE I COMP SCIENCE PRINCIPLES †RECOMMENDED PHS ELECTIVES		† Recommended PHS Elective <input type="checkbox"/> Psychology I & II <input type="checkbox"/> Sociology <input type="checkbox"/> *Adv. American History <input type="checkbox"/> *Adv. European History <input type="checkbox"/> =*DTP& Document Formatting <input type="checkbox"/> =*Computer Applications <input type="checkbox"/> =Web Design & Internet Exp. <input type="checkbox"/> =Multimedia <input type="checkbox"/> *Intro to Business <input type="checkbox"/> Law for Bus. & Personal Use <input type="checkbox"/> Entrepreneurship <input type="checkbox"/> *Accounting I & II <input type="checkbox"/> Child Development I & II <input type="checkbox"/> Family Relations <input type="checkbox"/> Culinary Arts I & II <input type="checkbox"/> Aerobics <input type="checkbox"/> Weight Training <input type="checkbox"/> MCJROTC
	10	ENGLISH II ENGLISH ELECTIVE	GEOMETRY or ALGEBRA II	ADVANCED CHEMISTRY I	WORLD HISTORY	PERSONAL FINANCE FOREIGN LANGUAGE II COMP SCIENCE APP. I †RECOMMENDED PHS ELECTIVES		<input type="checkbox"/> =Web Design & Internet Exp. <input type="checkbox"/> =Multimedia <input type="checkbox"/> *Intro to Business <input type="checkbox"/> Law for Bus. & Personal Use <input type="checkbox"/> Entrepreneurship <input type="checkbox"/> *Accounting I & II <input type="checkbox"/> Child Development I & II <input type="checkbox"/> Family Relations <input type="checkbox"/> Culinary Arts I & II <input type="checkbox"/> Aerobics <input type="checkbox"/> Weight Training <input type="checkbox"/> MCJROTC
	11	ENGLISH III or *ADVANCED ENGLISH III ENGLISH ELECTIVE	ALGEBRA II or PRE-CALCULUS	BIOLOGY II (WEIGHTED) or *CHEMISTRY II (WEIGHTED) (5) or ANATOMY & PHYSIOLOGY	AMERICAN GOVERNMENT † SOCIAL STUDIES ELECTIVE	1 CREDIT PRACTICAL ART FOREIGN LANGUAGE III COMP SCIENCE APP II †RECOMMENDED PHS ELECTIVES	*INFORMATION TECH I *GRAPHIC COMM I AGRICULTURE I *CULINARY I	<input type="checkbox"/> =Web Design & Internet Exp. <input type="checkbox"/> =Multimedia <input type="checkbox"/> *Intro to Business <input type="checkbox"/> Law for Bus. & Personal Use <input type="checkbox"/> Entrepreneurship <input type="checkbox"/> *Accounting I & II <input type="checkbox"/> Child Development I & II <input type="checkbox"/> Family Relations <input type="checkbox"/> Culinary Arts I & II <input type="checkbox"/> Aerobics <input type="checkbox"/> Weight Training <input type="checkbox"/> MCJROTC
	12	ENGLISH IV or *ADVANCED ENGLISH IV ENGLISH ELECTIVE	PRE-CALCULUS or *CALCULUS or PROBABILITY & STATISTICS	BIOLOGY II (WEIGHTED) or *CHEMISTRY II (WEIGHTED) (5) or ANATOMY & PHYSIOLOGY or PHYSICS or ENVIRONMENTAL SCIENCE	† SOCIAL STUDIES ELECTIVE	FOREIGN LANGUAGE IV †RECOMMENDED PHS ELECTIVES	*INFORMATION TECH II +*INFORMATION TECH I *GRAPHIC COMM II *+GRAPHIC COMM I AGRICULTURE II +AGRICULTURE I *CULINARY II *+CULINARY I *HEALTH OCCUPATIONS *TEACHING CAREER *BUSINESS CAPS IGNITE	<hr/> Placement Assessments: <input type="checkbox"/> ACT Pre-Test-9 th & 10 th grade <input type="checkbox"/> PSAT-11 th <input type="checkbox"/> ACT-11 th <input type="checkbox"/> ASVAB 12 th

=Articulated Credit * Dual Credit

= + Prerequisites

HEALTH SERVICES

Thinkers/Helber

Pacific High School Program of Study Template 1.) Career Cluster Health Sciences www.mvr3.k12.mo.us

SUGGESTED COURSE OF HIGH SCHOOL STUDY
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Four Rivers Career Center	Additional Learning Opportunities
Secondary	9	ENGLISH I ENGLISH ELECTIVE	ALGEBRA I or GEOMETRY	ADVANCED BIOLOGY I	AMERICAN HISTORY	1CREDIT REQUIRED PE 0.5 CREDIT HEALTH 1CREDIT FINE ART FOREIGN LANGUAGE I COMP SCIENCE PRINCIPLES †RECOMMENDED PHS ELECTIVES		† Recommended PHS Elective <input type="checkbox"/> Psychology I & II <input type="checkbox"/> Sociology <input type="checkbox"/> *Adv. American History <input type="checkbox"/> *Adv. European History <input type="checkbox"/> Contemporary Issues <input type="checkbox"/> =*DTP & Document Formatting <input type="checkbox"/> =*Computer Applications <input type="checkbox"/> =Web Design & Internet Exp. <input type="checkbox"/> =Multimedia <input type="checkbox"/> =Intro to Business <input type="checkbox"/> Law for Bus. & Personal Use <input type="checkbox"/> *Accounting I & II <input type="checkbox"/> Culinary Arts I & II <input type="checkbox"/> Child Development I & II <input type="checkbox"/> Family Relations <input type="checkbox"/> Aerobics <input type="checkbox"/> Weight Training <input type="checkbox"/> MCJROTC
	10	ENGLISH II ENGLISH ELECTIVE	GEOMETRY or ALGEBRA II	ADVANCED CHEMISTRY I	WORLD HISTORY	PERSONAL FINANCE FOREIGN LANGUAGE II COMP SCIENCE APP I †RECOMMENDED PHS ELECTIVES		
	11	ENGLISH III or *ADVANCED ENGLISH III ENGLISH ELECTIVE	ALGEBRA II or PRE-CALCULUS	BIOLOGY II (WEIGHTED) or *CHEMISTRY II (WEIGHTED) (5) or ANATOMY & PHYSIOLOGY	AMERICAN GOVERNMENT † SOCIAL STUDIES ELECITIVE	1 CREDIT PRACTICAL ART FOREIGN LANGUAGE III COMP SCIENCE APP II †RECOMMENDED PHS ELECTIVES	*INFORMATION TECH I *CULINARY I	Placement Assessments: <input type="checkbox"/> ACT Pre-Test-9 th & 10 th grade <input type="checkbox"/> PSAT-11 th <input type="checkbox"/> ACT-11 th <input type="checkbox"/> ASVAB-12 th
	12	ENGLISH IV or *ADVANCED ENGLISH IV ENGLISH ELECTIVE	PRE-CALCULUS or *CALCULUS and PROBABILITY & STATISTICS	BIOLOGY II (WEIGHTED) or *CHEMISTRY II (WEIGHTED) (5) or ANATOMY & PHYSIOLOGY or PHYSICS	† SOCIAL STUDIES ELECITIVE	FOREIGN LANGUAGE IV †RECOMMENDED PHS ELECTIVES	*INFORMATION TECH II +*INFORMATION TECH I *CULINARY II *+CULINARY I *HEALTH OCCUPATIONS *TEACHING CAREERS	Student Organizations: <input type="checkbox"/> FCCLA <input type="checkbox"/> HOSA <input type="checkbox"/> TREND <input type="checkbox"/> Skills USA <input type="checkbox"/> Foreign Language Club <input type="checkbox"/> Key Club <input type="checkbox"/> A+ Program

=Articulated Credit

* Dual Credit

= + Prerequisites

Pacific High School
Personal Program of Study/Registration Template

Name _____

Graduation Year: _____

Career Goal: _____

Grade	Requirements/Credits	Credits	First semester	Second semester										
9	English	1	English I	English I	Initial Program of Study <table border="1" style="width: 100%;"> <tr><td>Date</td><td></td></tr> <tr><td>Student</td><td></td></tr> <tr><td>Parent</td><td></td></tr> <tr><td>Counselor</td><td></td></tr> </table>		Date		Student		Parent		Counselor	
	Date													
	Student													
	Parent													
	Counselor													
	Mathematics	1	_____	_____										
	Science	1	_____	_____										
Social Science	1	American History	American History											
P.E.	1	_____	_____											
Health	½	_____	_____											
Electives: Fine Arts, Practical Arts	2	_____	_____											
			Academic Advisory	Academic Advisory		Select A Career Path <input type="checkbox"/> Natural Resources Agriculture <input type="checkbox"/> Arts & Communications <input type="checkbox"/> Business Management & Technology <input type="checkbox"/> Health Services <input type="checkbox"/> Human Services <input type="checkbox"/> Industrial & Engineering Technology <input type="checkbox"/> Transfer Student <input type="checkbox"/> Four Rivers <input type="checkbox"/> NCAA/NAIA <input type="checkbox"/> A+ Program Constitutions: <input type="checkbox"/> Missouri <input type="checkbox"/> United States Postsecondary Goals: <table border="1" style="width: 100%; height: 30px;"> <tr><td> </td></tr> </table>								
10	English	1	English II	English II	Annual Review <table border="1" style="width: 100%;"> <tr><td>Date</td><td></td></tr> <tr><td>Student</td><td></td></tr> <tr><td>Parent</td><td></td></tr> <tr><td>Counselor</td><td></td></tr> </table>		Date		Student		Parent		Counselor	
	Date													
	Student													
	Parent													
	Counselor													
	Mathematics	1	_____	_____										
	Science	1	_____	_____										
Social Science	1	World History	World History											
Personal Finance	½	_____	_____											
Electives: Fine Arts, Practical Arts	3	_____	_____											
			Academic Advisory	Academic Advisory		Postsecondary Goals: <table border="1" style="width: 100%; height: 30px;"> <tr><td> </td></tr> </table>								
11	English	1	English III	English III	Annual Review <table border="1" style="width: 100%;"> <tr><td>Date</td><td></td></tr> <tr><td>Student</td><td></td></tr> <tr><td>Parent</td><td></td></tr> <tr><td>Counselor</td><td></td></tr> </table>		Date		Student		Parent		Counselor	
	Date													
	Student													
	Parent													
	Counselor													
	Mathematics	1	_____	_____										
	Science	1	_____	_____										
Social Science	1	American Government	American Government											
Electives	3 ½	_____	_____											
			Academic Advisory	Academic Advisory		Post-Secondary Education/Training Choice: <input type="checkbox"/> Employment <input type="checkbox"/> Military <input type="checkbox"/> Tech School <input type="checkbox"/> Community College <input type="checkbox"/> 4 Year College/University <input type="checkbox"/> Other <table border="1" style="width: 100%; height: 20px;"> <tr><td> </td></tr> </table>								
12	English	1	English IV	English IV	Annual Review <table border="1" style="width: 100%;"> <tr><td>Date</td><td></td></tr> <tr><td>Student</td><td></td></tr> <tr><td>Parent</td><td></td></tr> <tr><td>Counselor</td><td></td></tr> </table>		Date		Student		Parent		Counselor	
	Date													
	Student													
	Parent													
	Counselor													
	Electives	6 ½	_____	_____										
			_____	_____										
		_____	_____											
		_____	_____											
		_____	_____											
			Academic Advisory	Academic Advisory		Extra-curricular activities: <table border="1" style="width: 100%; height: 30px;"> <tr><td> </td></tr> </table>								
	Summer School/Credit Recovery					Created 11/2015								

SECTION 3: HONORS/COLLEGE PROGRAMS & POST HIGH SCHOOL PLANNING

Missouri Career Prep Certificate. Through the East Central Missouri Career Prep Consortium

The Career Prep Certificate program is a voluntary program on the part of the school district and on the part of the individual student. The purpose is to recognize outstanding achievements by high school students in work preparedness skills. The certificate is awarded in addition to the regular high school diploma granted by the Meramec Valley R-III School District. While the certificate is designed as an incentive for all students who are entering a technical career, many students who are planning on continuing into an educational post – secondary setting may wish to pursue the rigorous program that includes academic achievement, attendance, community involvement, and job readiness skills. The program encourages all students to plan and pursue excellence in their academic and technical programs. The Missouri Career Prep Certificate is recognized by employers throughout Missouri.

To be eligible for the Missouri Career Prep Certificate, a student shall:

1. Complete a rigorous high school program cooperatively planned by the school, the student, and the student's parents. Upon completion, the student will have a minimum of 80% Task Mastery of Vocational Program Competencies.
2. Have a cumulative GPA of 2.50 on a 4.0 scale.
3. Have at least 30 hours of community service documented through the A+ coordinator's office.
4. Maintain an overall 95% average attendance rate throughout the four years of high school.
5. Have completed 3 credit hours of technical/practical arts classes with a minimum GPA of 3.0
6. Meet citizenship requirements as designated with the A+ program.
7. Receive a score of 3 or better on the following Work Keys Assessments: Reading for Information, Applied Math, and Locating Information.
8. Complete an acceptable Work Readiness Assessment on the Missouri Connections - Super's Work Values Inventory.

College Level Examination Program (CLEP). School code number 9512

There are two types of CLEP examinations. The first type is General Examination. This test measures achievement in the liberal arts areas of English composition, mathematics, natural sciences, social sciences, and history. The second is Subject Examination which measure achievement in specific college-level courses. The examinations are comparable to a final exam in a particular undergraduate course. Each college or university determines which of these examination scores to accept. It is important for students to have accurate information from the school they plan to attend regarding the acceptance of CLEP credit.

A+ Schools Student Financial Incentive. The A+ Schools Program was established by the Outstanding Schools Act of 1993 to reward students for maintaining a record of good school achievement and also to provide them with an opportunity for post - secondary education. Pacific High School has been designated an A+ School.

Students who meet the criteria may be eligible to receive reimbursement for two years toward the cost of tuition after federal post- secondary financial assistance funds have been applied. These financial incentives are subject to legislative appropriation. This year could see further changes in funding. To retain this eligibility after graduation during the four-year window of incentive availability, students must maintain a 2.5 grade point average while enrolled and attending a Missouri public community college, vocational or technical school on a full time basis.

Criteria for A+ Eligibility: A+ requirements can be found in Board Policy JFCL. Students must complete all requirements for eligibility.

1. Attend a designated A+ school for three consecutive years prior to high school graduation
2. Graduate from high school with a grade point average of 2.5 or higher on a 4.0 scale
3. Have at least a 95% attendance record for the four year period
4. Perform fifty (50) hours of unpaid tutoring or mentoring with other Meramec Valley students
5. Maintain a record of good citizenship and avoidance of the unlawful use of drugs/alcohol
6. File the FAFSA by April 30th of their senior year of high school

SECTION 3: HONORS/COLLEGE PROGRAMS & POST HIGH SCHOOL PLANNING

7. Achieve a qualifying score on a MDHE approved mathematics exam.

For additional information about the A+ program, contact Mr. Quinn Flexsenhar in Room 103.

Dual Credit and Articulated Credit. Meramec Valley R-III School District, in cooperation with several local colleges, offers high school students the opportunity to earn college credit while they are still in a high school setting. Pacific High School also has articulation agreements with St. Louis Community College, East Central College, Missouri University of Science and Technology offering students who meet certain criteria in high school and plan to attend these institutions, the opportunity to earn college credit during high school. Enrollment information will be supplied by the classroom teacher during the first weeks of school by the cooperating university. Students must register for the course during the semester they are concurrently enrolled and completing the course at their high school. **Colleges set all deadlines and students may not register for a course once the registration deadline has passed. Students are required to have a minimum cumulative GPA of 3.0 to enroll and earn the college credit.**

Whether a student should take a course for dual credit or through articulation depends on the future educational placement that the student is considering. Typically, dual credits transfer to all public colleges, but the dual credits transfer to a very small number of private colleges in the state. Public institutions must accept at least 5 dual credit courses and may accept more. Articulated credits transfer the same as other college credits according to transfer agreements with other post-secondary institutions. **It is the responsibility of the student to check individual institutions for specific requirements of each college to determine how credits are transferred.**

<u>Pacific High School Course</u>	<u>Cooperating University</u>	<u>Type of Credit</u>	<u>2016-17 Cost/cr. Hour</u>	<u>Credit. Hours available</u>
Advanced English IV	Maryville University	Dual Credit	\$120	6
Advanced English III	Maryville University	Dual Credit	\$120	6
Calculus	Saint Louis University	Dual Credit	\$65	4
Calculus	University of Missouri-Saint Louis	Dual Credit	\$60	5
Probability and Statistics	Saint Louis University	Dual Credit	\$65	3
Principles of Engineering	St. Louis Community College	Dual Credit	\$25	3
Digital Electronics	St. Louis Community College	Dual Credit	\$25	3
Aerospace Engineering	St. Louis Community College	Dual Credit	\$25	3
Introduction to Business	East Central College	Dual Credit	\$30	3
DTP and Document Formatting	East Central College	Dual Credit	\$30	3
General Business	East Central College	Dual Credit	\$30	3
Computer Applications	Missouri Baptist University	Dual Credit	\$65	3
Computer Applications	East Central College	Dual Credit	\$30	3
Accounting I	East Central College	Dual Credit	\$30	4
Accounting II	East Central College	Dual Credit	\$30	4
Drafting I	East Central College	Dual Credit	\$30	4
Marketing I	East Central College	Dual Credit	\$30	3

Automotive Tech I & II	Linn State Technical College	Articulated Credit
Automotive Collision Repair I & II	Linn State Technical College	Articulated Credit
Building Construction I & II	Linn State Technical College	Articulated Credit
Information Tech I & II	Linn State Technical College	Articulated Credit
Teaching Careers	University of Central Missouri	Dual Credit

Each university sets all standards in regard to registration, grading, and issuing transcripts. In general, students are expected to maintain a "B" or better in their coursework to earn the college credit. Some will issue credit for a "C," but many receiving universities may not accept a "C" grade in transfer. Although credit is granted, students should always check with their individual post-secondary choices to determine if these credits are accepted. **Students must contact the registrar of each particular college or university for credit transfer information and transcripts.**

SECTION 3: HONORS/COLLEGE PROGRAMS & POST HIGH SCHOOL PLANNING

Advanced Placement Courses. The Advanced Placement (AP) Program is a program consisting of college level courses and exams for secondary school students nationwide. This program focuses on the highly motivated student. Over 2,100 colleges receive the AP examination grades to determine whether college credit will be issued to the examinee. Although Pacific High School does not currently offer AP Courses, several courses offered have been aligned to or closely related to the AP Curriculum. If a student receives a qualifying score on an AP exam, he or she may receive college credit for the course.

All students can register for an AP exam regardless of current course enrollment. The current cost for each exam for the 2016-17 school year is \$93.00 per test, and students register in the guidance office with Ms. Brindell.

AP Examinations	PHS Courses Aligned to or Closely Related to Corresponding AP Curriculum
Art History	
Biology	Biology II #3235
Calculus AB	
Calculus BC	
Chemistry	Chemistry II #3245
Chinese Language and Culture	
Comparative Government and Politics	
Computer Science Principles	Computer Science Principles #2840
Computer Science A	Computer Science Applications I #2845 Computer Science Applications II #2847
English Language and Composition	
English Literature and Composition	
Environmental Science	
European History	Advanced European History #4150
French Language and Culture	
German Language and Culture	
Human Geography	
Italian Language	
Japanese Language and Culture	
Latin	
Macroeconomics	
Microeconomics	
Music Theory	
Physics 1	
Physics 2	
Physics C	
Psychology	
Seminar	
Spanish Language and Culture	
Spanish Literature and Culture	
Statistics	
Studio Art	
United States Government and Politics	Advanced American Government #4032
United States History	Advanced United States History #4160
World History	

SECTION 3: HONORS/COLLEGE PROGRAMS & POST HIGH SCHOOL PLANNING

NCAA/NAIA Clearinghouse. If you are planning to enroll in college and wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. *Students are responsible for knowing courses that are not approved by the NCAA and therefore do not count toward completion of specific NCAA requirements.* A list of approved courses is available on the NCAA website listed below. The core curriculum classes that are not approved are noted with the course descriptions.

Beginning 1 August 2016, students must have a core GPA of 2.3 in order to participate in Division I athletics.

How the Eligibility Process Works.

Grades 9 and 10:

- Students take academic college-preparatory courses, preferably in each of the following areas: English, math, science, social studies, and foreign language. The student should compare course selections against the list of NCAA approved core courses.

Grade 11:

- Student continues to take college preparatory courses in the areas listed in Grades 9 and 10.
- Students register in the spring for the ACT, making sure to use code 9999 at the time of registration. Using code 9999 will ensure the score is reported directly to the Eligibility Center.
- Students register with the NCAA Eligibility Center and complete both the academic information and the amateurism questionnaire at www.eligibilitycenter.org.
- At the end of the student's junior year, the student should request a transcript to be sent to the Eligibility Center.

Grade 12:

- Students continue to take college preparatory courses listed above.
- Student should register for additional ACT tests if necessary, making sure to use code 9999 at the time of registration.
- On or after April 1 of the student's senior year, the student goes back into his/her Eligibility Center account to update his/her academic and amateurism information and request final amateurism certification.
- After graduation, request a final transcript (which needs to include evidence and the date that the student graduated) to the Eligibility Center.

Division I 16 Core Courses

4 years of English
3 years of mathematics (Algebra I or higher)
2 years of natural/physical science (1 year of lab if offered by high school)
1 year 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)
Earn a core-course GPA of 2.3

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 year 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)

SECTION 3: HONORS/COLLEGE PROGRAMS & POST HIGH SCHOOL PLANNING

Assessments. Pacific High School offers on – campus testing for the assessments listed on this page. Links are listed in order for students to obtain information regarding testing sites, dates and costs. Most sites will also offer practice test questions for the student. Practice tests for many of these tests can be found at www.4tests.com/exams.

<p style="text-align: center;">ACT</p>	<p style="text-align: center;"><i>School code: 262530</i></p> <p>A college entrance exam. The ACT is a state required test administered to all junior classmen at PHS in April free of charge. The ACT is available to juniors and seniors on designated testing dates throughout the school year for a fee. If students do not indicate our high school code number on their application, then we will not receive the test scores at PHS. Students must apply on-line at www.actstudent.org. In 2016-17, the standard ACT test fee was \$42.50. The ACT with writing was \$58.50.</p>
<p style="text-align: center;">ACT Pre-Test</p>	<p>ACT Pre-Test is an assessment tool used for all 9th and 10th graders. This assessment replaces the Explore and Plan tests previously administered to these two grades. Assessing students' knowledge and skills relative to college and career readiness is critical to ensuring all students receive the support and services necessary to help them succeed in school and in life.</p>
<p style="text-align: center;">ASVAB (Armed Services Vocational Aptitude Battery)</p>	<p>This vocational skills aptitude test is mandatory for all seniors. There is no cost for this exam. Results are used to help students determine a career path that might be of interest to them. Students will be able to compare their scores with educational or job requirements for occupations both military and non-military. For more information and practice tests, go to www.military.com/ASVAB.</p>
<p style="text-align: center;">EOC (End of Course Exam)</p>	<p>EOC's are required for all Missouri Public Schools. These tests measure student achievement with the results providing important information about students and the district to local educators and state officials. Student attendance during this testing period is essential. Exact test dates will be announced at a later date and occur during the month of April. For more information go to http://dese.state.mo.us/divimprove/assess/eoc.</p>
<p style="text-align: center;">PSAT (Preliminary Scholastic Aptitude Test)</p>	<p>The PSAT is the qualifying test for the National Merit Scholarship Competition. This test is optional and juniors who rank in the top 15-20% of their class are highly encouraged to take the exam. There is a cost to the student to take this test. For more information go to www.collegeboard.com/student/testing/psat/about.html.</p>
<p style="text-align: center;">Missouri Connections</p>	<p>A web based resource to assist students with career exploration and establish their educational strategies. Missouri Connections is introduced to all sophomores at PHS. For more information go to www.missouriconnections.org.</p>
<p style="text-align: center;">AP Exams (Advanced Placement)</p>	<p>AP exams are optional for students enrolled in advanced coursework closely aligned with AP curriculums. Students may be able to take the AP Exam for college credit. In 2016-17, the cost of the exam was \$93.00. Colleges and universities grant credit and/or placement according to their own policies, you should learn about the standards of the particular school in which you are interested.</p>

SECTION 4: COURSE DESCRIPTIONS

Communication Arts

Chairperson: Ms. Syron

Four units of credit in English Language Arts are required for graduation. Graduating seniors may receive an honor cord in English for taking 8 semesters with the grade of A in each semester, including one year long weighted course.

	Path A: Students planning on attending a <u>community college</u>	Path B: Students planning on attending a four-year <u>college/university</u>	Path C: Students planning on attending a more select four-year <u>college/university</u>
	8 th Grade English	8 th Grade English	8 th Grade English
9 th Grade	<u>English I-REQUIRED</u> Electives: Intro to Journalism	<u>English I-REQUIRED</u> Electives: Intro to Journalism	<u>English I-REQUIRED</u> Electives: Intro to Journalism
10 th Grade	<u>English II-REQUIRED</u> Electives: Intro to Journalism Fundamentals of Speech Creative Writing	<u>English II-REQUIRED</u> Electives: Intro to Journalism Fundamentals of Speech Creative Writing	<u>English II-REQUIRED</u> Electives: Intro to Journalism Fundamentals of Speech Creative Writing
11 th Grade	<u>English III-REQUIRED</u> Electives: Intro to Journalism Fundamentals of Speech Creative Writing	<u>English III-REQUIRED</u> or Advanced English III (Weighted) Electives: Intro to Journalism Fundamentals of Speech Creative Writing	<u>English III-REQUIRED</u> or Advanced English III (Weighted) Electives: Intro to Journalism Fundamentals of Speech Creative Writing
12 th Grade	<u>English IV-REQUIRED</u> Electives: Intro to Journalism Fundamentals of Speech Creative Writing Mythology	<u>English IV-REQUIRED</u> or Advanced English IV (Weighted) Electives: Intro to Journalism Fundamentals of Speech Creative Writing Mythology	<u>English IV-REQUIRED</u> or Advanced English IV (Weighted) Electives: Intro to Journalism Fundamentals of Speech Creative Writing Mythology

REQUIRED COURSES.

#1025 English I

Credit: 1 Unit Length of Course: 2 semesters

Grade: 9

Path=All

Prerequisite: None

The student will study short stories, drama, a novel, poetry, non-fiction works, literary terms, the research process and complete a study of the school library. Students will review the writing process to produce a variety of compositions and projects.

SECTION 4: COURSE DESCRIPTIONS

#1035 English II

Credit: 1 Unit Length of Course: 2 semesters Grade: 10 Path=All

Prerequisite: Successful completion of English I.

The student will study the writing process, research skills, short stories, poetry, non-fiction, drama, and a novel. Students work through the writing process as they construct descriptive, expository, persuasive paragraphs, essays and a research paper.

#1045 English III

Credit: 1 Unit Length of Course: 2 semesters Grade: 11 Path=All

Prerequisite: Successful completion of English II.

The student will study the cultural heritage of American literature from 1600 to the present. A variety of literature will be explored, such as journal entries, poetry, short stories, novels, essays, and dramas. Students will gain practice in vocabulary and writing development with writings based on themes, concepts, and opinions of the literature read.

#1055 English IV

Credit: 1 Unit Length of Course: 2 semesters Grade: 12 Path=All

Prerequisite: Successful completion of English III.

This course provides a solid foundation in the areas of writing, reading, and discussion skills that are necessary to attain success in college or in a career. The literature reflects past social, political, and historical movements evident in British Literature that will increase students' awareness and understanding of modern societal concerns. The student will learn to recognize relationships between language and cultures and will become aware of the correlation between English and American society.

#1072 Advanced English III (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 11 Path=All

Prerequisite: Successful completion of English I, and II with a grade of A or better for each semester and/or teacher recommendation

This is a writing intensive course including descriptive, interpretive, and critical essays. Emphasis of this course is on the cultural heritage of American literature from 1500 to the present. A variety of literature will be explored, such as journal entries, poetry, short stories, novels, essays, and dramas. Students will be expected to write daily.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 23.

#1170 Advanced English IV (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 12 Path=All

Prerequisite: Students must receive an 80% or better on a student writing prompt scheduled in January of their junior year.

Recommendation: Successful completion of English I, II, and III with a grade of B or better for each semester. [Note: Although this is a full year class, it is divided into semesters for those students earning college credit.] Advanced English IV integrates the studies of language and literature. Literary works used in the course may vary, but will include novels, short stories, and poetry by major authors. Study of a work will include reading, discussion, an essay, journal response, a test, and/or a group project.

During the first semester, primary emphasis will be on the writing process as used at the college level. Students will be expected to complete at least four major essays using various forms of expository and argumentative techniques. At least one novel will be studied as a basis for critical analysis. Advanced grammar study will be done, as needed, by the student.

The second semester will focus more intensely on the interpretations of both classical and modern literature. Essays will continue to be used as a device for evaluation as well as group projects.

SECTION 4: COURSE DESCRIPTIONS

Students can expect more objective testing during this semester.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 23.

ELECTIVE COURSES. *The English courses listed in this section are elective courses in English. They **DO NOT** fulfill the English requirements for graduation **unless** prior consent or approval is given from the department chair.*

#1160 Mythology & Composition

Credit: ½ Unit Length of Course: 1 semester Grade: 12 Path=All

Prerequisite: Successful completion of English I, II, and III.

Students will concentrate on the study of Greek and Roman mythology with units on creation, romance, heroes and heroines, and the Trojan War. Students will also briefly study Norse mythology. Studies will include not only the myths themselves, but also an overview of influences myths have exerted on language, art, and literature. A research paper and formal presentation of the influences of mythology are also required.

#1210 Introduction to Journalism

Credit: ½ Unit Length of Course: 1 semester Grade: 9, 10, 11, 12. Path=All

Prerequisite: None

Recommendations: Open to all students with a cumulative GPA of 2.5. Proficiency in grammar, composition, spelling, typing, and computer usage is strongly advised. Students will learn about the world of journalism that includes reporting, interviewing, writing, editing, page design, photojournalism, press law, and publication. Students will write daily on selected journal topics, stories about news, and school events.

#1213 Creative Writing

Credit: ½ Unit Length of Course: 1 semester Grade: 10, 11, 12 Path=All

Prerequisite: None

Creative Writing is designed to provide the opportunity and incentive for the individual student to write short stories, plays, and poems. Emphasis will be placed on using the techniques of short story and drama elements as well as poetic forms, grammar usage and building vocabulary. Some reading and critical analysis will be required. This is a writing course and students will be expected to write daily.

#1240 Fundamentals of Speech

Credit: ½ Unit Length of Course: 1 semester Grade: 10, 11, 12. Path=All

Prerequisite: None

This course is designed for those students who wish to acquire poise and confidence in their communications with other individuals and with groups of people by making the student conscious of the speech process and to aid the student in becoming a consistently more effective speaker. Students will present basic types of public speeches and participate in group discussions and debate.

SECTION 4: COURSE DESCRIPTIONS

Foreign Language

Foreign Language is not a requirement for graduation from PHS and is counted as elective credit. Colleges/universities may require at least two years of the same Foreign Language for admissions. Students should check with their college admissions office to obtain the specific college admissions information and foreign language requirements. Graduating seniors may receive an honor cord in Foreign Language for taking 8 semesters with the grade of A in each semester.

#1300 Spanish I

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=All

Prerequisite: None

Recommendation: A grade of C or better in English. Students are strongly encouraged to purchase a Spanish/English dictionary for approximately \$4.00. Spanish I is an introduction to the basics of the Spanish language, including vocabulary, grammar, and verb conjugation. A study of the language naturally includes a study of the people and their cultures. Upon completion of this course the student will be able to carry on simple conversations about limited subjects.

#1310 Spanish II

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=All

Prerequisite: Successful completion of Spanish I.

Recommendation: Successful completion of Spanish I with a grade of C or better. Students are strongly encouraged to purchase a Spanish/English dictionary for approximately \$4.00.

This course is designed for students planning to continue formal education or for students who have a sincere desire and ability in Spanish. Spanish II continues the study of the basics of the Spanish language but with more emphasis on verb conjugation, reading comprehension, and verbal skills. The student will read some material outside the textbook and will use the language increasingly more within the classroom.

#1320 Spanish III (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=All

Prerequisite: Successful completion of Spanish II.

Recommendation: Successful completion of Spanish II with an average grade of C or better. Students are strongly encouraged to purchase a Spanish/English dictionary for approximately \$4.00.

Spanish III uses all of the basic skills learned in Spanish I and II, in oral discussions of grammar study, videos, plays, stories, and written themes. Grades are based on written and oral presentations and reading comprehension/listening tests.

#1330 Spanish IV (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 12 Path=All

Prerequisite: Successful completion of Spanish III.

Recommendation: Successful completion of Spanish III with an average grade of C or better. Students are strongly encouraged to purchase a Spanish/English dictionary for approximately \$4.00.

Spanish IV uses all of the basic skills learned in Spanish I, II, and III through oral discussions, written themes, and comprehensive tests over Spanish literature. Literature by several Spanish and Spanish-American authors will be studied in-depth. Cultural awareness and listening skills will be enhanced through the use of videos and filmstrips.

SECTION 4: COURSE DESCRIPTIONS

#1400 French I

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=All

Prerequisite: None

Recommendation: A grade of C or better in English. Students are strongly encouraged to purchase a French/English dictionary for approximately \$6.00. This course includes practice in the form of oral and written drills and games provided by the teacher and the text so that the students will learn to listen, understand, speak, and write basic sentence structures and vocabulary. Aspects of French culture are taught. Tapes, records, DVDs, videocassettes, weekly readers, current magazines in French, computer programs, and other supplementary materials are used.

#1410 French II

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=All

Prerequisite: Successful completion of French I.

Recommendation: Prerequisite: Successful completion of French I with an average grade of C or better. Students are strongly encouraged to purchase a French/English dictionary for approximately \$6.00. Students must possess a desire to gain more facility in speaking, reading, writing, and comprehending the language. This course is recommended for students who plan to continue formal education beyond high school. This class is a more detailed study of vocabulary and structure. The development of speaking, reading, writing, and listening skills is intensified. Various activities are provided to increase the student's knowledge of French speaking people and their various cultures through the use of videocassettes, tapes, DVDs, records, monthly French periodicals, computer programs, and other supplementary materials.

#1420 French III (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=All

Prerequisite: Successful completion of French II.

Recommendation: Successful completion of French II with an average grade of C or better. Students are strongly encouraged to purchase a French/English dictionary for approximately \$6.00. This course is valuable to students planning to go to college, especially those who want to continue studying a foreign language at the post-secondary level. This is a weighted course. The students expand their vocabulary and knowledge of the structure of the French language through the study of the literature, culture, and geography of France. Videocassettes, computer programs, tapes, records, DVDs, current French publications, and other supplementary materials are used.

#1430 French IV (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 12 Path=All

Prerequisite: Successful completion of French III.

Recommendation: Successful completion of French III with an average grade of C or better. Students are strongly encouraged to purchase a French/English dictionary for approximately \$6.00. This course is valuable for students planning to go to college, especially those students who want to study a foreign language as a requisite in their career choice. The students extend their knowledge and skill in using the French language through a more intensive study of the structure of this language as well as through a study of the literature, history, and culture of French-speaking countries. Tapes, records, videocassettes, DVDs, current French publications, computer programs, and other supplementary materials are used.

SECTION 4: COURSE DESCRIPTIONS

Mathematics

Chairperson: Mrs. Landherr

Three units of credit of mathematics are required for graduation. College admissions require math credits at/above Algebra I – **this does not include Pre-Algebra**. Graduating seniors may receive an honor cord in Mathematics for taking 8 semesters with the grade of A in each semester, including one year long weighted course.

	Path A: Students planning on attending a <u>community college</u> <i>This path is recommended for students who have significant difficulty in math and science</i>	Path B: Students planning on attending a four-year <u>college/university</u>	Path C: Students planning on attending a more select four-year <u>college/university</u>
	8 th Grade General Math	8 th Grade Algebra I	8 th Grade Algebra I
9 th Grade	Pre-Algebra or Algebra I	Algebra I or Geometry or Advanced Geometry	Algebra I or Geometry or Advanced Geometry
10 th Grade	Algebra I or Geometry	Geometry or Algebra II or Advanced Algebra II	Geometry or Algebra II or Advanced Algebra II
11 th Grade	Algebra II	Algebra II or College Algebra or Pre-Calculus (Weighted)	College Algebra or Pre-Calculus (Weighted)
12 th Grade	Mathematical Business Applications or College Algebra or Pre-Calculus (Weighted)	College Algebra or Pre-Calculus (Weighted) or Probability and Statistics (Weighted) or Calculus (Weighted)	Probability and Statistics (Weighted) or Calculus (Weighted)

REQUIRED COURSES.

#2030 Pre-Algebra

NOT NCAA APPROVED

Credit: 1 Unit Length of Course: 2 semesters

Grade: 9

Path=All

Prerequisite: This course is for those students in 8th grade General Math.

Recommendation: Students are strongly encouraged to bring a TI-30XIIS calculator to class daily. Approximate cost of calculator is \$10.00. This course is for freshman students who want to prepare for Algebra I. It covers basic algebraic concepts including integers, equations, formulas, polynomials, factoring, graphing, systems of equations, fractions, decimals, and percents. The student will be expected to read assigned materials, participate in class discussions, and complete daily homework assignments.

SECTION 4: COURSE DESCRIPTIONS

#2040 Algebra I

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10 Path=All

Prerequisite: This course is for those students that have a grade of B or better in 8th grade General Math or that have a D or below in of 8th grade Algebra I, or have passed high school Pre-Algebra.

Recommendation: Students are strongly encouraged to bring a TI-30XIIS calculator to class daily. Approximate cost of calculator is \$10.00. This course is recommended for all four-year college-bound students. This course involves the study of real numbers, equations, and inequalities in one and two variables, polynomials and factoring, graphing, systems of linear equations and functions, rational and irrational numbers, and quadratic functions and equations.

#2070 Geometry

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11,12 Path=All

Prerequisite: This course is for those students that have a grade of B or better in 8th grade Algebra I or that have passed high school Algebra I.

This course is recommended for all four-year college bound students. This course is a study in application of thinking and reasoning skills. Using geometric properties, puzzles, projects, presentations, and some formal proofs are required. The use of performance-based evaluations is extensive.

#2080 Algebra II

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=All

Prerequisite: This course is for those students that have passed Geometry with a C or above or have passed Advanced Geometry with a D or below.

This course is recommended for all college-bound students. This course is an extension of Algebra I. The students will study linear, quadratic, rational, exponential, logarithmic, polynomial, and radical functions. The students will also be introduced to the complex number system.

#2100 Advanced Algebra II

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=All

Prerequisite: This course is for those students that have passed Geometry with Advanced Topics with a B or above or passed Geometry with an A or above.

The topics of this course are the same as Algebra II, but will be covered in more depth. This course is designed for students preparing for advanced level mathematics.

#2110 Geometry with Advanced Topics

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, Path=All

Prerequisite: This course is for those students that have a grade of A in both semesters of 8th grade Algebra I or have passed high school Algebra I with an A.

This course will involve all topics covered in Geometry. It will also include more extensive proofs and higher-level thinking and reasoning skills.

ELECTIVE COURSES

#2095 Mathematical Business Applications

NOT NCAA APPROVED

Credit: 1 Unit Length of Course: 2 semesters Grade: 12 Path=All

Prerequisite: This course is only for seniors who need their third math credit to graduate and must have approval of the mathematics department chair.

The student will study math skills that will be used once students graduate from high school. Topics covered include calculating pay, credit cards, checking accounts, taxes, banking, insurance, and vehicle purchases.

SECTION 4: COURSE DESCRIPTIONS

#2150 College Algebra

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=All

Prerequisite: This course is for those students that have passed Algebra II or Advanced Algebra II with a C or below.

This course is a continuation of Algebra II. Topics covered will include the study of properties and graphs of linear, quadratic, polynomial, rational, exponential and logarithmic functions. Solutions of various polynomial, rational, radical, exponential and logarithmic equations and inequalities will be studied as well as systems of equations and inequalities. Additional topics include matrices, conic sections, and sequences and series.

#2160 Pre - Calculus (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=All

Prerequisite: This course is for those students that have passed Algebra II or Advanced Algebra II with a B or above.

Recommendation: Students are strongly encouraged to bring a TI-84 graphing calculator to class daily. This course is a prerequisite for Calculus. During the first semester, students will learn to graph and analyze linear, quadratic, polynomial, radical, exponential, logarithmic, and rational functions. Second semester will be devoted to trigonometry, the study of side and angle measurements of triangles. Students will learn to evaluate, graph, and solve trigonometric functions. Students will also be introduced to limits, a foundational concept of Calculus.

#2180 Probability and Statistics (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=All

Prerequisite: This course is for those students that have passed College Algebra or Pre-Calculus.

Recommendation: Students are strongly encouraged to bring a TI-84 graphing calculator to class daily. This course is designed for the student who desires to continue in an upper level math course but does not wish to take College Algebra or Calculus. This course is a hands-on application to real world situations, yet contains many upper level math topics. The statistics course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data, planning studies, anticipating patterns, and statistical inference.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 23.

#2190 Calculus (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 12 Path=All

Prerequisite: This course is for those students that have passed Pre-Calculus with a B or above.

Recommendation: Students are strongly encouraged to bring a TI-84 graphing calculator to class daily. This course is for students preparing for college calculus or abstract mathematics that introduces them to differential and integral calculus.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 23.

SECTION 4: COURSE DESCRIPTIONS

Science

Chairperson: Mrs. Rowbottom

Three units of credit of Science are required for graduation. College admissions require science at/above Biology I - **this may not include Physical Science**. Graduating seniors may receive an honor cord in Science for taking 8 semesters with the grade of A in each semester, including one year long weighted course.

	Path A: Students planning on attending a community college <i>This path is recommended for students who have significant difficulty in math and science</i>	Path B: Students planning on attending a four-year college/university	Path C: Students planning on attending a more select four-year college/university
	8 th Grade Science	8 th Grade Science	8 th Grade Challenge Science
9 th Grade	Physical Science	Physical Science	Advanced Biology I
10 th Grade	Biology I	Biology I	Advanced Chemistry I
11 th Grade	11th / 12th Grade Electives: Environmental Science Zoology and Botany	Chemistry I	11th / 12th Grade Electives: Biology II (Weighted) Chemistry II (Weighted) Physics (Weighted)
12 th Grade		Electives: Anatomy Astronomy Environmental Science Zoology and Botany Physics (Weighted)	11th / 12th Grade Electives: Biology II (Weighted) Chemistry II (Weighted) Physics (Weighted)

REQUIRED COURSES

#3102 Physical Science

Credit: 1 Unit Length of Course: 2 semesters Grade: 9 Path=All

Prerequisite: None

Science includes topics in matter, force, motion and mechanical energy, the universe, and earth systems.

#3130 Biology I

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10 Path=All

Prerequisite: Successful completion with a grade of C or below in Physical Science.

Biology I includes characteristics of life, in-depth coverage of cell structure and function, genetics, plants, invertebrate and vertebrate animals, ecology, math and chemistry.

#3210 Advanced Biology I

Credit: 1 unit Length of Course: 2 semesters Grade: 9, 10 Path=All

Prerequisite: Successful completion of 8th grade challenge science or Physical Science with a B average or better.

An accelerated introductory class that has a broad scope and emphasizes fundamental concepts in a faster and more in-depth pace and is designed to challenge students. This course will discuss all

SECTION 4: COURSE DESCRIPTIONS

aspects of the living world with laboratories and activities that will directly illustrate the concepts discussed in class.

Course requires more intensive and increased levels of critical thinking and mathematical reasoning. It is designed for the student who anticipates a science-based career, desires an accelerated science program, and intends to take advanced courses in science.

#3140 Chemistry I

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11 Path=All

Prerequisite: Open to students that have earned a C or better in Algebra I and have successfully completed Biology I.

This course includes the basic foundations of chemistry as related to atomic theory, nature of matter, understanding of the periodic table, mole concept in writing and balancing chemical equations, energy relationships and chemical bonding, gas laws, and types of chemical reactions. Observations and measurements will be done through laboratory experiments. Students will need to be able to reason out problems presented in the textbook and in class similar to solving problems in Algebra. Textbook assignments and laboratory experiments will be expected from all students.

#3215 Advanced Chemistry I

Credit: 1 unit Length of Course: 2 semesters Grade: 10, 11 Path=All

Prerequisite: Open to students that have earned a B or better in Algebra I and have successfully completed Advanced Biology I.

An accelerated introductory class with the goal of preparing students for Chemistry II or other rigorous science or math classes and is designed to challenge students. This is a fast paced, more intensive math based class that emphasizes problem solving and connecting concepts with increased levels of critical thinking and mathematical reasoning. Topics are covered in much more depth than Chemistry I. Furthermore, laboratories not only illustrate concepts covered during class but also teach students proper laboratory technique and experimental design. It is designed for the student who anticipates a science-based career, desires an accelerated science program, and intends to take advanced courses in science.

ELECTIVE COURSES

#3110 Zoology & Botany

Credit: 1 unit Length of Course: 2 semesters Grade 11, 12 Path=All

Prerequisite: Successful completion of Physical Science and Biology.

This course emphasizes cell biology, evolution, genetics, ecology, structure, function, development and reproduction of plant and animal life. This course will discuss all aspects of plant and animal life with laboratories and activities that will directly illustrate the concepts discussed in class.

#3142 Environmental Science

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=HumS, NR

Prerequisite: Successful completion of two credits of science.

This course is designed for students wishing to have a broader based science background prior to graduation. Environmental Science in part is interdisciplinary; it embraces a wide variety of topics from different areas of study. The course will focus on the science behind environmental problems and issues, through discussions, lectures, Internet/library research, and indoor or outdoor projects. These issues may include acid rain, ozone depletion, climate change, biodiversity loss, energy use, human impacts, and ecosystem changes.

#3146 Astronomy

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=NR

Prerequisite: Completion of Chemistry I.

Recommendation: Completion of Chemistry I with a grade of C or better

Students will have the opportunity to relate their previous knowledge of physics, chemistry, and

SECTION 4: COURSE DESCRIPTIONS

biology to the study of the universe. With a basic understanding of astronomy and the technology that accompanies the study of the universe, students will better understand the scientific advancements being made in their lifetime. This course will encompass the basic vocabulary of astronomy, the scientific method, and the composition, structure, and dynamics of the universe. Principles for interpretation of astronomical observations are reinforced through laboratory exercises.

#3150 Physics I (Weighted): Mechanics, Sound, Thermodynamics

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=All

Prerequisite: Successful completion of or concurrent enrollment in Algebra II with a B average or better in Chemistry I or department chair approval.

This class will acquaint students with the fundamentals of physics, including forces, motion, sound, and thermodynamics. Physics involves the study of the physical universe from the atom to galaxies and the laws that govern the motion of these objects.

#3160 Anatomy and Physiology

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=HeaS, HumS

Prerequisite: Successful completion of both Biology I and Chemistry I with a B average or better or department chair approval.

Anatomy and Physiology is the study of the structural organization, as well as the physiological and chemical processes of the body and emphasizes the close relationship of the function and structure of the major systems of the human body. The course presents and emphasizes the human body as a living functioning homeostatic organism and relates the body systems to today's topics of interest or concern through labs and class lectures.

#3235 Biology II (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=HeaS, HumS, IE, NR

Prerequisite: Successful completion of both Biology I and Chemistry I with a B average or better or department chair approval.

This course will approach important biological concepts on an advanced level. The scientific method of investigation will be studied to help students develop skills in experimental design, hypothesis formation, collection and interpretation of statistical data, and developing logical conclusions from experimentation. Advanced Biology consists of college level freshman biology and covers biochemistry, in-depth study of plants and animals, genetics, and population studies.

NOTE: Students may be able to take the Advanced Placement Test for credit in this class. More information can be found in Section 3: College Programs and Post High School Planning-Advanced Placement Courses-page 24.

#3245 Chemistry II (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=HeaS, HumS, IE, NR

Prerequisite: Successful completion of Chemistry I with a B average or better and successful completion or concurrent enrollment in Algebra II or department chair approval.

Advanced Chemistry will include the following topics: atomic theory and structure; chemical bonding; states of matter; mass, volume and relationships among substances in chemical reaction; predictions of products for a chemical reaction; rates and equilibrium of chemical reactions; and types of reactions. Students should have a strong desire and willingness to work as well as a strong math background. Extensive laboratory work will be required of all students.

NOTE: Students may be able to take the Advanced Placement Test for college credit in this class. More information can be found in Section 3: College Programs and Post High School Planning-Advanced Placement Courses-page 24.

SECTION 4: COURSE DESCRIPTIONS

Social Studies

Chairperson: Mr. Brocato

Three units of credit in Social Studies are required: 1 unit of American History, 1 unit of World History, and 1 unit of American Government. Students must pass both the United States and Missouri constitution tests which are part of the American Government class. Graduating seniors may receive an honor cord in Social Studies for taking 8 semesters with the grade of A in each semester, including 2 semesters with the grade of A in a weighted course.

	Path A: Students planning on attending a community college	Path B: Students planning on attending a four-year college/university	Path C: Students planning on attending a more select four-year college/university
	8 th Grade Social Studies	8 th Grade Social Studies	8 th Grade Social Studies
9 th Grade	American History- REQUIRED	American History- REQUIRED	American History- REQUIRED
10 th Grade	World History- REQUIRED	World History- REQUIRED	World History-REQUIRED or Advanced European History
11 th Grade	American Government- REQUIRED	American Government- REQUIRED or Adv. American Govt	American Government- REQUIRED or Adv American Govt
	Electives: Geography 20 th Century World History American West Contemporary Issues Sociology Advanced European History (Weighted) Advanced United States History (Weighted) Psychology I Psychology II (Weighted)	Electives: Geography 20 th Century World History American West Contemporary Issues Sociology Advanced European History (Weighted) Advanced United States History (Weighted) Psychology I Psychology II (Weighted)	Electives: Geography 20 th Century World History American West Contemporary Issues Sociology Advanced European History (Weighted) Advanced United States History (Weighted) Psychology I Psychology II (Weighted)
12 th Grade	Electives: Geography 20 th Century World History American West Contemporary Issues Sociology Advanced European History (Weighted) Advanced United States History (Weighted) Psychology I Psychology II (Weighted)	Electives: Geography 20 th Century World History American West Contemporary Issues Sociology Advanced European History (Weighted) Advanced United States History (Weighted) Psychology I Psychology II (Weighted)	Electives: Geography 20 th Century World History American West Contemporary Issues Sociology Advanced European History (Weighted) Advanced United States History (Weighted) Psychology I Psychology II (Weighted)

SECTION 4: COURSE DESCRIPTIONS

REQUIRED COURSES

#4010 American History

Credit: 1 Unit Length of Course: 2 semesters Grade: 9 Path=All

Prerequisite: None.

Students may not enroll in American History and World History simultaneously. This class is a survey of events impacting the growth of America as a world power beginning with the Age of Imperialism at the close of the 19th Century and continuing into the 20th Century. 20th Century topics of study include: The 1920's, Great Depression, two World Wars, the American Civil Rights Movement, and the beginning and ending of the Cold War. Students will complete a variety of activities including computer assignments, simulations, video analysis, and numerous readings throughout the year. American History is a required class for graduation.

#4020 World History

Credit: 1 Unit Length of Course: 2 semesters Grade: 10 Path=All

Prerequisite: None.

This class is designed to promote an understanding of the world today by studying the geography, history, modern culture, and institutions of the world. The class surveys world history from prehistoric times through the Industrial Revolution. Class activities include reading from the text and supplemental materials, map work, taking notes over lectures and films, completing written assignments, taking quizzes and tests, completing projects, and organizing a notebook.

#4030 American Government

Credit: 1 Unit Length of Course: 2 semesters Grade: 11 Path=All

Prerequisite: None.

Students may not enroll in American Government and World History simultaneously. This class is designed to promote a better understanding of government and to prepare students for their role as an American citizen. This class will cover and test for the state of Missouri requirement for meeting proficiency with both the Missouri and United States Constitutions. Students will be responsible to read and interpret textbook information. They will be evaluated on their understanding of the material by quizzes, tests, homework, projects, and map activities. Students will also be required to organize a notebook.

#4032 Advanced American Government (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 11 Path=All

Prerequisite: Completion of World History and American History with a minimum of a B. Completion of English II with a minimum of a B.

This advanced class is designed to promote a better understanding of government and to prepare students for their role as an American citizen. This class will cover and test for the state of Missouri requirement for meeting proficiency with both the Missouri and United States Constitutions. This class will also cover the six units appearing on the Advanced Placement Test. This class will move at an accelerated pace, and students will have significantly more independent assignments than regular government. Students will be responsible to read and interpret textbook information, newspapers articles, and primary sources readings from as early as the 1600's. Students will be evaluated on their understanding of the material by quizzes and tests.

NOTE: Students may be able to take the Advanced Placement Test for college credit in this class. More information can be found in Section 3: College Programs and Post High School Planning-Advanced Placement Courses-page 24.

SECTION 4: COURSE DESCRIPTIONS

ELECTIVE COURSES

#4060 Geography

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=All

Prerequisite: Successful completion of American History or World History.

This course will explore the major geographic regions of the world and discuss individual nations in each. Students will be expected to take notes, compile a notebook, participate in class discussions and group activities, present oral reports, take tests, and complete reading and writing assignments.

#4065 History of Sports in America

(NOTE: This course may or may not be offered in 2017-18 pending approval from the MVR3 School Board)

Credit: ½ unit Length of Course: 1 semester Grade: 10, 11, 12 Path=All

Prerequisite: Successful completion of American History.

This course is designed to be an in-depth exploration in the evolution of sports of America. Through the scope of sports, students will discuss socio-economic influences, gender and racial barriers, the evolution of professional sports and the rise in stature of athletes in American society.

#4070 20th Century World History

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=All

Prerequisite: Successful completion of American History or World History.

This class is designed to promote an understanding of the world today by studying the geography, history, modern culture, and institutions of the world.

#4110 American West

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=All

Prerequisite: Successful completion of American History or World History.

This course examines the western history of the United States. The following units will be covered: Native Americans, mountain men, ranchers, prospectors, outlaws, lawmen, and pioneer settlers. Students will be required to do a variety of activities during the semester.

#4130 Contemporary Issues

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=All

Prerequisite: Successful completion of American History or World History.

This course is designed to increase student interest in contemporary problems and issues. Students will be encouraged to use primary and secondary materials to form opinions and propose solutions to problems. Topics will include media, state and local issues such as economics and politics, national concerns such as governmental policies, and international issues such as trade, military conflict, and environmental concerns. Reading newspapers and watching the news on television will be critical due to a large portion of the grade being dependent on class discussion.

#4152 Advanced European History (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=All

Prerequisite: 10th grade- Completion American History with a minimum of a B and completion of English II with a minimum of a B; Department Chair approval. For sophomores that meet these pre-requisites, this class will fulfill the required World History credit for graduation. 11th/12th grade- Completion of American History and World History with a minimum of a B. Completion of English II with a minimum of a B.

Advanced European History is an in-depth study of western civilization from ancient history through the twentieth century, with additional study of non-western peoples, civilizations, and religions. Students will examine major themes in history which demonstrate the interconnections between peoples. It requires the student to use intellectual skills to analyze a variety of human experiences which describe the political, economic, and social growth of the world's societies. Students will be

SECTION 4: COURSE DESCRIPTIONS

required to assess historical materials, weigh evidence, judge various interpretations of history, and write analytical essays.

NOTE: Students may be able to take the Advanced Placement Test for college credit in this class. More information can be found in Section 3: College Programs and Post High School Planning-Advanced Placement Courses-page 24.

#4160 Advanced United States History (Weighted)

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=All

Prerequisite: Completion of World History and American History with a minimum of a B. Completion of English II with a minimum of a B.

This advanced course surveys American history from its early settlement to the present. The objective of this course is to increase the student's understanding of United States history. This course is divided into two semesters: Discovery through the Civil War and Reconstruction through the present. The areas of concentration include historical, political and economic history coupled with an intense study of cultural and intellectual institutions and their development. Since this class will be college-oriented, the emphasis will be on methods often used in American colleges and universities. Independent reading with a focus on analyzing primary source documents, and strong analytical writing skills are required. Preparatory individual work is expected and required in order for the student to properly engage in class discussion and activities.

NOTE: Students may be able to take the Advanced Placement Test for college credit in this class. More information can be found in Section 3: College Programs and Post High School Planning-Advanced Placement Courses-page 24.

#4175 Sociology

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=All

Prerequisite: Successful completion of American History or World History.

This course is for students interested in gaining a better understanding of the world in which they live. Students who plan to attend college and/or plan on a vocation that involves working with people should take this course. Sociology is the study of behavior in groups. Students will study the structure of society through an examination of the effects of crime, propaganda and mass communication, minorities, rural and urban analysis, and group processes (conflict, competition, and cooperation).

#4185 Psychology I

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=All

Prerequisite: Successful completion of American History or World History.

Psychology is a social science that attempts to understand and explain human behavior. Psychology I is an introduction to the field that includes some of the following topics: leading psychologists and their theories, hypnosis, human growth and development, personality, emotions, sleep, intelligence, and behavior disorders.

#4195 Psychology II (Weighted)

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=All

Prerequisite: Successful completion of Psychology I.

Recommendation: Completion of Psychology I with a B average or better. Psychology II presents a more detailed investigation of previously examined material, as well as an introduction to new areas of study, including child psychology and adolescent psychology. Students will participate in a variety of activities to apply theory to everyday life. The student will be required to read an approved psychology related book and create a Psychology Fair project which is a college level research project.

SECTION 4: COURSE DESCRIPTIONS

Fine Arts

Chairperson: Ms. Delmain

One unit of credit of Fine Art is required for graduation. Graduating seniors may receive an honor stole in Fine Arts for taking 10 semesters with the grade of A in each semester, including band and choir in any combinations

ELECTIVE COURSES

#5000 Art I

Credit: ½ unit Length of Course: 1 semester Grade: 9, 10, 11, 12 Path=All

Prerequisite: None.

Class Lab Fee: \$10.00 for art supplies and materials.

This class is an entry level arts course designed for all high school students and is a prerequisite for all other art classes. Art I is a course that will study the visual arts in a broad manner. Therefore, it focuses on basic skills of visual literacy, 2D and 3D art production, art criticism, aesthetics, and art history. Students are expected to think, talk, write, and create through the study of art of the past and present.

#5010 Design

Credit: ½ unit Length of Course: 1 semester Grade: 9, 10, 11, 12 Path=A&C, IE

Prerequisite: Successful completion of Art I.

Class Lab Fee: \$10.00 for art supplies and materials.

This course is a thorough study of and student application of the elements of design - line, shape, form, color, value, texture, and space, and the principles of design - balance, unity, contrast, pattern, emphasis, movement, and rhythm. Black and white media will be the main emphasis, using it to show shape, mass, texture, pattern, and proportion. Color may be introduced.

#5020 Drawing

Credit: ½ unit Length of Course: 1 semester Grade: 9, 10, 11, 12 Path=A&C, IE

Prerequisite: Successful completion of Art I.

Class Lab Fee: \$10.00 for art supplies and materials.

Drawing is an intermediate elective art course designed for high school students interested in continuing their study of visual art. Emphasis will be on learning to observe and reflect upon the world around us through the use of a spectrum of black, white and color media. Students will develop observational rendering skills and conceptual strategies for compositional designs that are realistic, abstract, and expressive in style.

#5040 Ceramics

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=A&C, IE

Prerequisite: Successful completion of Art I, Drawing, and Design.

Class Lab Fee: \$10.00 for art supplies and materials

Recommendation: Successful completion of Art I, Drawing, and Design with a B or better in each class. This course provides an introduction to the fundamental methods of hand building with clay as used in building pottery and sculpture. Students will also spend some class time working on the potter's wheel. Students are required to develop further knowledge of three dimensional composition, art criticism, aesthetics, and art history in addition to that gained from prior art courses.

#5050 Art Seminar

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=A&C, IE

Prerequisite: Completion of Art I, Drawing, and Design.

Class Lab Fee: \$20.00 for art supplies and materials.

Recommendation: Completion of Art I, Drawing, and Design with a B or better in each class. Art Seminar is designed for the serious art student. Emphasis will be placed on creating advanced

SECTION 4: COURSE DESCRIPTIONS

level work using all forms of media with the intent of putting together a portfolio for presentation at the end of the course. Students will also design lesson plans to instruct and actively participate in sessions working with outside individuals or groups to create art. Students are expected to maintain acceptable grade levels or may be removed from class at semester.

#5150 Music Appreciation

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=A&C

Prerequisite: None

The Music Appreciation class will allow students to take a fine art class and to study music without the requirement of singing or performing. This class will be a series of unit studies on all historical periods, the different cultures and their music, plus all style of music - Renaissance, Classical, Romantic, Impressionistic, Jazz, Pop, Rock, Contemporary Christian, Broadway Musicals, and music videos. Studies will include composers, construction of styles, historical perspectives, place in each culture, and music analysis. The student will experience many different pieces of music through listening and videos and determine how they fit into the historical and cultural view of each time period.

#5300/#5303 Band

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=All

Prerequisite: Past band experience and department chair consent.

Class Lab Fee: Freshman students are required to purchase marching shoes, gloves, tuxedo shirt and pants. Students would only need to purchase replacement items after freshman year at a cost of \$60.00. Students are required to pay a yearly cleaning fee of \$12 each year.

Recommendation: Attendance at all activities, rehearsals, and performances is required. This course is to be taken as a year-long course. This course is designed for students who enjoy music and performing in a large group. The first half of the year is devoted to marching at home football games, parades, and contests. The music includes popular and march styles. The second half of the year is devoted to concert music.

#5310 Jazz Band

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=All

Prerequisite: Instructor consent; must be concurrently enrolled in Band.

Recommendation: Attendance at all activities, rehearsals, and performances is required. This ensemble will be geared toward learning the basic fundamentals and styles of big band performance, improvisation, and various jazz styles of literature. Instrumentation is limited to capable performers on saxophone, trumpet, trombone, and standard big band rhythm section instruments.

#5400 PHS Singers

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=A&C

Prerequisite: None.

Class Lab Fee: \$10.00 robe cleaning fee

Recommendation: Performance in all concerts scheduled for the class is required. PHS is a performance-based class for students who enjoy singing and want to improve their musical ability. The class will work to develop healthy singing habits and improve listening skills, vocal tone, and overall musicianship. A variety of music will be studied and performed, including both secular and sacred music.

#5410 Chorale

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=A&C

Prerequisite: Audition; instructor consent.

Class Lab Fee: \$10.00 robe cleaning fee

Recommendation: Performance in all concerts scheduled for the class is required. Chorale is an auditioned, performance-based class for students who enjoy singing and want to improve their musical ability. The class will practice healthy singing habits and improve listening skills, vocal tone,

SECTION 4: COURSE DESCRIPTIONS

and overall musicianship. A variety of music will be studied and performed, including both secular and sacred music. The class provides a foundation upon which to build toward more advanced choirs.

#5430 Concert Choir

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=A&C

Prerequisite: Audition; instructor consent.

Class Lab Fee: Students are required to purchase the choir dress or tuxedo. Cost for the individual concert attire will vary by gender. Approximate cost is \$90.00.

Recommendation: Students are required to sing for all performances and other events associated with the choir, such as concerts, music festivals, and clinics. Concert Choir is an advanced performance-based class. It is a performing group of students exhibiting the strongest of musical talents. This class is for students who want to work in a concentrated manner for a degree of perfection in singing. A variety of music is covered including secular and sacred.

#5440 Pizzazz

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=A&C

Prerequisite: Audition; instructor consent. Students enrolled in this class must also be enrolled in another choir class.

Class Lab Fee: Students are required to purchase the performance attire. Approximate cost is \$80.00.

Recommendation: Students are required to sing in all performances scheduled during the year. Pizzazz is a performance-based class for students exhibiting a high level of musical talent who enjoy singing, dancing, and performing for audiences. Several musical genres will be studied and performed, including jazz, musical theatre, and popular music.

SECTION 4: COURSE DESCRIPTIONS

Practical Arts

Chairperson: Ms. Pfeiffer

One unit of credit of Practical Arts is required for graduation. Additionally, one-half unit of Personal Finance is required for graduation. Graduating seniors may receive an honor stole in DECA for taking four semesters of marketing classes with the grade of A in each semester. Students are encouraged to utilize career path electives

REQUIRED COURSES

#7200 Personal Finance

Credit: ½ unit Length of Course: 1 semester Grade: 10, 11, 12 Path=BMT, HumS, IE

Prerequisite: None

Understanding and managing personal finances is the key to one's future financial success. This semester course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

ELECTIVE COURSES

#1215 Yearbook Production

NOT NCAA APPROVED

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=A&C, IE

Prerequisite: Successful completion of Introduction to Journalism is required for 9th and 10th graders. Application is required from yearbook advisor; instructor consent.

Recommendation: Students will be required to put in time during the first weeks of summer if the yearbook is not completed during the regular school year. Students may also be required to meet during the summer for set up for the upcoming school year. Proficiency in grammar, composition, spelling, typing, and computer usage is recommended. It would be helpful, although not required, to have a 1 gig USB flash drive and access to a digital camera. In producing the *Warrior*, students develop the yearbook's theme, design, and content. This includes writing stories, captions and headlines, designing pages, and taking pictures.

Business

#6000 Introduction to Business and Economics

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=All

Prerequisite: None

Introduction to Business is designed for students who want to increase their knowledge of basic business procedures. The course will cover concepts relating directly to students as consumers and citizens, such as career exploration, insurance, budgeting, credit, and banking. The course will also help students to become aware of their place in the global economy through discussion of world trade and economic systems. This course will expose students to different business concepts and help guide them into more specific areas of interest for future business courses.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning--page 23.

SECTION 4: COURSE DESCRIPTIONS

#6011 Desktop Publishing and Document Formatting

Credit: ½ unit Length of Course: 1 semester Grade: 9, 10, 11, 12 Path=All

Prerequisite: None

Students will learn and are expected to display correct keyboarding techniques and build acceptable speed and accuracy levels. Basic and advanced features of MS Word and Publisher will be covered, such as tables, columns, bulleted lists, and reports, letters and memos. Career information will be discussed including job preparation documents (such as resumes, letters, and document templates of applications), interest inventories, job interviewing, etc. Office simulations will be performed to practice and review formatting of various business/personal documents.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning--page 23.

ARTICULATED CREDIT: Future St. Louis Community College students will be awarded credit for the class upon college enrollment and completion of a minimum of 6 credit hours at the college.

#6016 Computer Applications

Credit: ½ Unit Length of Course: 1 semester Grade: 9, 10, 11, 12 Path=All

Prerequisite: None

All students are encouraged to take this vocational course to help them develop into proficient computer users. Students taking this course will build on keyboarding skills and become proficient with basic and advanced features of MS Word for word processing, MS Excel for spreadsheets, MS Access for database, and MS PowerPoint for computer presentations. Students will review proper format of business documents from previous business courses. Students will also use the Internet to gather information for various integrated projects.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning--page 23.

ARTICULATED CREDIT: Future St. Louis Community College students will be awarded credit for the class upon college enrollment and completion of a minimum of 6 credit hours at the college.

#6017 Web Design and Internet Explorations

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=All

Prerequisite: Completion of Computer Applications.

Recommendation: Completion of Computer Applications with a C or better. This course is designed to provide students with the opportunity to achieve knowledge and skills required in the technology-based workplace and / or in continuing their education. Students in this course will be responsible for designing web pages. The course will familiarize students with software used for advanced desktop publishing to improve the creativity and quality of business documents and publications. This course will also expand the student's knowledge of web design skills and how to hand-code valid HTML and CSS, without the use of Dreamweaver. Organization and initiative are important for success in this class.

ARTICULATED CREDIT: Future St. Louis Community College students will be awarded credit for the class upon college enrollment and completion of a minimum of 6 credit hours at the college.

#6019 Multimedia

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=A&C, BMT, HumS

Prerequisite: Successful completion of Computer Applications.

Recommendation: Successful completion of Computer Applications with a C or better. This course is designed for the skilled and motivated computer user. Students will have the opportunity to improve their Internet search skills and expand their computer usage skills. Students will create multimedia presentations with special effects. Software packages to be used include MS Word, and

SECTION 4: COURSE DESCRIPTIONS

MS PowerPoint. Problem solving, cooperation, and the ability to follow directions and work independently will be skills demonstrated by the successful student in this class.

ARTICULATED CREDIT: Future St. Louis Community College students will be awarded credit for the class upon college enrollment and completion of a minimum of 6 credit hours at the college.

#6040 Law for Business & Personal Use

Credit: ½ unit Length of Course: 1 semester Grade: 10, 11, 12 Path=All

Prerequisite: Completion of Introduction to Business.

Recommendation: Completion of Introduction to Business with a C average or better.

Students will study real-life situations that show how business and personal law affects their lives. This course helps students understand legal principles and introduces the students to ethics and making ethical decisions. Students will study consequences of a decision and the long-term effects on the student.

#6140 Accounting I

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=All

Prerequisite: None.

Recommendation: Cumulative GPA of 2.0. Accounting I students will learn accounting concepts and practices related to an accounting system for a service-oriented proprietorship, merchandising business organized as a partnership and merchandising business organized as a corporation. The student will acquire hands-on experience through classroom activities in the analyzing and recording of financial data. This course is designed for those students who plan to major in any field of business, not just accounting, or wish to gain insight into the financial accounting of a business, including managing their own personal finances.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning--page 23.

#6150 Accounting II

Credit: 1 Unit Length of Course: 2 semesters Grade: 12 Path=All

Prerequisite: Completion of Accounting I.

Recommendation: Completion of Accounting I with a C or better. This course is designed for students preparing for a career in business--specifically in the area of accounting. Students will cover departmental accounting, general accounting adjustments, corporate accounting, management accounting, cost accounting, and automated accounting.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning--page 23.

Industrial Arts

#7000 Introduction to Wood

Credit: ½ unit Length of Course: 1 semester Grade: 9, 10, 11, 12 Path=A&C, IE, NR

Prerequisite: None

Class Lab Fee: \$20.00 for materials and supplies.

This is a beginning home maintenance and repair course. Students will complete multiple safety assignments that will teach them about proper tool use. Students will complete 3 sections of repair/installation; electricity, plumbing and wall framing. All 3 sections will culminate in the final project for the class. Safety is strongly stressed and enforced.

SECTION 4: COURSE DESCRIPTIONS

#7020 Advanced Woodworking

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=A&C, IE, NR

Prerequisite: Successful completion of Introduction to Wood.

Class Lab Fee: \$20.00 for supplies and materials.

Recommendation: Completion of Introduction to Wood with a B or better. Students are strongly encouraged to provide their own blue-prints for advanced projects. Projects will require advanced skills. Large projects can require the whole year to construct. Students can also complete smaller projects, but are required to work every class period on the project of choice. Students will be introduced to cabinet wiring and blueprints. Projects must be approved.

#7040 Drafting I

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=A&C, IE, NR

Prerequisite: None

Class Lab Fee: \$20.00 for supplies and materials.

This course introduces students to drafting skills and techniques. First semester students will draw various orthographic projection and isometric drawings of mechanical objects. Second semester students will work on architectural drawings and build a scale residential house from a kit which requires students to interpret blueprints.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-Dual and Articulate Credit-page 23.

#7050 Drafting II

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=A&C, IE, NR

Prerequisite: Successful completion of Drafting I.

Class Lab Fee: \$20.00 for supplies and materials.

Recommendation: Completion of Drafting I with a B average or better. The problems and projects that are presented or assigned are intended to give students advanced experience in drafting theory and practice. Some problems will be taken from industry, others from models. Areas of study will include sheet metal development, architectural drafting, machine drawing, and computer-aided drafting. Students should be interested in the field of drafting, engineering, or related areas. Drawings will be expected to be completed within a specified time and reading assignments kept up to date.

Family and Consumer Sciences

#7120 Culinary Arts I

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=A&C, HeaS, HumS, NR

Prerequisite: None

Class Lab Fee: \$25.00 for supplies and materials.

This is an instructional program that prepares individuals to understand the principles of nutrition; the relationships of nutrition to good health; the selection, preparation, and care of food as well as meal management to meet individual and family needs. The student will be required to read from a variety of sources, do special projects, and work individually and in groups.

#7125 Culinary Arts II

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=A&C, HeaS, HumS, NR

Prerequisite: Successful completion of Culinary Arts I.

Class Lab Fee: \$25.00 for supplies and materials.

Recommendation: Successful completion of Culinary Arts I with a C or better. This course covers nutrition, meal management, and food preparation in greater depth than Culinary Arts I as well as introducing principles of food science. The students will be required to read from a variety of sources, do special projects, and work individually and in groups.

SECTION 4: COURSE DESCRIPTIONS

#7128 Bake Shop

(NOTE: This course may or may not be offered in 2017-18 pending approval from the MVR3 School Board)

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=A&C, HeaS, HumS, NR

Prerequisite: Successful completion of Culinary Arts I and Culinary Arts II

Class Lab Fee: \$25.00 for supplies and materials

Recommendation: Completion of Culinary Arts I and Culinary Arts II with a B or better.

This course is designed to provide students with an understanding of the principles and techniques of baking and pastry making. Students will learn about safety and sanitation, the primary function of ingredients, baking formulas, doughs and batters, pies and tarts, cake decorating and quantity baking. Students will experiment with cookies, quick breads, pies and pastries, cakes, frosting, fondant, chocolate work and garnishing and plating. This course is designed for the serious culinary student.

#7130 Fashion Design and Construction

Credit: ½ unit Length of Course: 1 semester Grade: 9, 10, 11, 12 Path=A&C

Prerequisite: None

Class Lab Fee: This course will require students to purchase sewing equipment and materials depending on the chosen project with an approximate cost of \$25.00.

This program prepares individuals to understand the social, psychological, and physiological aspects of clothing and textiles; the nature, acquisition, and use of clothing and textile products; the selection, construction, and maintenance of clothing and textile products. The students will be required to read from a variety of sources, design fashion apparel, work individually and in groups, and be required to apply various techniques when making a garment.

#7150 Housing and Interior Design

Credit: ½ unit Length of Course: 1 semester Grade: 10, 11, 12 Path=A&C

Prerequisite: None

This course covers the study of psychological, social, cultural, and economic aspects of family shelter, furnishings, and decorations. Historical housing styles and furnishings are emphasized as well as drafting floor plans and computer aided design. Students will be required to read from a variety of sources and do individual and group work as well as complete group projects.

#7160 Family Relations

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=HeaS, HumS

Prerequisite: None

This is an instructional program that prepares individuals to understand the nature, function, and significance of human relationships within the family/individual units. Instruction in the concepts and principles related to various family living conditions, the establishment and maintenance of relationships, and preparation for marriage, parenthood, and family life is included. Students will be required to read from a variety of sources and do individual and group work or projects.

#7180 Child Development I

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=BMT,HeaS, HumS

Prerequisite: None

This course covers the stages of the prenatal period from conception to birth, and the care, guidance, understanding, and appreciation of infants to age one. It focuses on the physical, emotional, social, moral, and intellectual development of infants as well as the demands on the parents. Students will be required to read from a variety of sources and do individual and group work, and use the empathy belly and Ready-or-Not Tot care is used to give students hands on experience.

#7185 Child Development II

Credit: ½ unit Length of Course: 1 semester Grade: 11, 12 Path=BMT,HeaS, HumS

Prerequisite: Successful completion of Child Development I.

SECTION 4: COURSE DESCRIPTIONS

Recommendation: Completion of Child Development I with a B average or better. This course will prepare students to communicate effectively with professional child care service providers, solve problems based upon developmental needs of children and make decisions that support sound physical, emotional, social, moral, and intellectual development of children.

Marketing

#6025 Leadership and Business Management

Credit: ½ unit Length of Course: 1 semester Grade: 9, 10 Path=All

Prerequisite: None

This project based leadership course develops student understanding and skills in such areas as emotional intelligence, professional development, and communication. Students acquire an understanding and appreciation of the need for leadership at school, at home, and in the community. The capstone activity of the course is the implementation of a service learning project. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

#6030 Entrepreneurship

Credit: ½ unit Length of Course: 1 semester Grade: 10, 11, 12 Path=BMT, HumS, IE, NR

Prerequisite: None

This course serves a dual purpose. It is designed for students who would like to own their own business. It encourages continuing use of business knowledge in the world economic system. The course will examine entrepreneurs such as Sam Walton, Ray Kroc, and others. In addition to examining communications, math, and decision - making skills, creation and management of a small business are also explored. Income statements, physical layouts, and computers are reviewed for practical use in small business ownership. Homework includes both writing and reading assignments. Students will also be expected to keep a business notebook.

#9200 Marketing I

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=BMT, IE, NR

Prerequisite: None.

Recommendation: Students are highly encouraged to join and participate in DECA. This is an introduction to the study of marketing. Careers in marketing, sales, advertising, retail, and product development are introduced. Communications with co-workers, consumers, and human relations are emphasized. The class reviews the job interview, resume, and application process. Learning activities include role-playing, layouts, mock interviews, guest speakers, and computer simulations. Homework will be given in both writing and reading assignments. Students who successfully complete this course will be recommended for entry into Marketing II/ Internship their senior year.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning--page 23.

#9205 Sports & Entertainment Marketing

Credit: ½ unit Length of Course: 1 semester Grade: 10, 11, 12 Path=BMT

Prerequisite: None. 10th graders require department chair consent.

This course introduces the student to the major segments of the sports/entertainment industry. Students will explore the social and economic impact the sports industry has on the local, state, national, and global economies. Products and services offered to consumers and the impact of marketing on the products and services will be examined.

SECTION 4: COURSE DESCRIPTIONS

#9210 Marketing II

Credit: 1 Unit Length of Course: 2 semesters Grade: 12 Path=BMT, IE, NR

Prerequisite: Students must complete application and go through an interview/selection process.

Class lab fee: Students are required to join DECA. Dues are \$12.

Recommendation: "C" average, good citizenship, attendance. Successful completion of Marketing I with a grade of "B" is strongly encouraged. This course is an instructional program designed for students who are preparing for a career in the field of marketing and management. Instruction will prepare students to perform one or more of the marketing functions such as selling, buying, pricing, promoting market research, or management. Homework will be given in both written and reading assignments. The students will be using theories from class in daily on-the-job situations and must demonstrate an ability to relate marketing to practical situations. Computer simulations will be used. Students must sign contracts with expectations of performance.

#9220/9230 Marketing Internship I & II

Credit: This course is available to seniors for one or two units of credit. (1 unit for 10 hours work average a week or 2 units for 20 hours work average a week). Grade: 12 Path=BMT

Prerequisite: Students must make application and go through an interview/selection process.

Seniors must be concurrently enrolled in Marketing II. A marketing education job in retailing, food marketing, fast food service, insurance, banking, real estate, hotel/motel management, advertising, and/or any other marketing position is required.

Recommendation: A "C" average, good attendance, good school citizenship. The student will be expected to complete all assignments and favorably represent the Marketing Education Program on his/her job site/training station. The student is interviewed by the training coordinator who supervises him/her daily and evaluates them on-the-job each quarter for the work he/she does. Students are to be paid a wage by the employer. Assignments include Instructional management plans, and weekly reports with proof of employment. Students will receive grades from both the training sponsor and the training coordinator.

Project Lead the Way-Engineering

#2800 Introduction to Engineering Design (IED)

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=BMT, IE, NR

Prerequisite: Successful completion or concurrent enrollment of Algebra I.

Class Lab Fee: \$20.00 for supplies and materials.

Introduction to Engineering (IED) is a high school level foundation course in the PLTW Engineering Program. In IED students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Through both individual and collaborative team activities, projects, and problems, students will problem solve as they practice common engineering design and development protocols such as project management and peer review. Students will develop skill in technical representation and documentation of design solutions according to accepted technical standards, and they will current 3D design and modeling software to represent and communicate solutions. In addition, use the development of computational methods that are commonly used in engineering problem solving, including statistics of analysis and mathematical modeling are emphasized. Ethical issues related to professional practice and product development are also presented.

SECTION 4: COURSE DESCRIPTIONS

#2810 Principles of Engineering (POE)

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=BMT, IE, NR

Prerequisite: Successful completion of Introduction to Engineering Design.

Recommendation: Completion of Introduction to Engineering Design with a grade of C or better. Principles of Engineering (POE) is a foundation course of the high school engineering program pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Students have the opportunity to develop skills, and understanding of course concepts through activity-, project-, and problem-based (APB) learning. By solving rigorous and relevant design problems using engineering and science concepts within a collaborative learning environment, APB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 23.

#2820 Digital Electronics (Weighted) (DE)

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=BMT, IE, NR

Prerequisite: Successful completion of Principles of Engineering with a grade of C or better. This course can be taken concurrently with POE.

Class Lab Fee: \$20.00 for materials and supplies.

Digital electronics (DE) is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discrete voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics.

The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will analyze, design, and build digital electronic circuits. While implementing these designs, students will continually hone their professional skills, creative abilities, and understanding of the circuit process. Other than their concurrent enrollment in college preparatory mathematics and science courses, this course assumes no previous knowledge.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 23.

#2825 Aerospace Engineering (Weighted) (AE)

Credit: 1 Unit Length of Course: 2 semesters Grade: 12 Path=IE

Prerequisite: Successful completion of IED, POE, and DE. Can be taken concurrently with DE.

Class Lab Fee: \$20 for materials and supplies.

Aerospace Engineering ignites student learning in the fundamentals of atmospheric and space flight. Aerospace Engineering is one of the specialization courses in the PLTW Engineering program. The

SECTION 4: COURSE DESCRIPTIONS

course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 23.

Project Lead the Way-Computer Science

#2840 Computer Science Principles (CSP)

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=All

Prerequisite: None

This course teaches students how to solve problems using computational thinking and skills. CSE introduces students to professional programming languages and platforms and encourages students to use these tools to discover, collaborate, and create. Using Python and other languages, students develop their own app, create dynamic websites, and construct their own graphical user interface.

NOTE: Students may be able to take the Advanced Placement Test for college credit in this class. More information can be found in Section 3: College Programs and Post High School Planning-Advanced Placement Courses-page 24.

#2845 Computer Science Applications I (CSAI)

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=All

Prerequisite: Successful completion of Computer Science Principles.

CSA focuses on integrating technologies across multiple platforms and networks, including the Internet. Students collaborate to produce programs that integrate mobile devices and leverage those devices for distributed collection and data processing. Students analyze, adapt, and improve each other's programs while working primarily in Java™ and other industry-standard tools.

NOTE: Students may be able to take the Advanced Placement Test for college credit in this class. More information can be found in Section 3: College Programs and Post High School Planning-Advanced Placement Courses-page 24.

2847 Computer Science Applications II (CSAII)

(NOTE: This course may or may not be offered in 2017-18 pending approval from the MVR3 School Board)

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=All

Prerequisite: Successful completion of Computer Science Applications I.

CSA II focuses on further developing computational-thinking-skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, LibGDX, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. This course prepares students for the AP Computer Science-A test.

NOTE: Students may be able to take the Advanced Placement Test for college credit in this class. More information can be found in Section 3: College Programs and Post High School Planning-Advanced Placement Courses-page 24.

SECTION 4: COURSE DESCRIPTIONS

Physical Education

Chairperson: Mr. VanLeer

One unit of credit of Required Physical Education and one-half unit of credit in Health are required for graduation. The Physical Education Program emphasizes skill development in a wide range of sport and lifetime activities, a personalized program of physical fitness, and an understanding of the role of vigorous, regular physical activity in a healthy lifestyle. *Students and parents will be made aware of the course specific rules which govern attendance, dress requirements and active participation in order to be successful in Physical Education.*

Dress requirements (all students): Gym shorts or sweatpants, school appropriate t-shirt, socks, and clean (no dirt, mud, or rock) tennis shoes with clean non-marking soles.

Participation requirements (all students): Students are expected to dress out daily and participate in a minimum 30 minute cardio workout in addition to course specific activities.

Students may enroll in only one activity-based physical education class per semester.

REQUIRED COURSES

#8000 Required Physical Education

Credit: ½ unit Length of Course: 1 semester Grade: 9, 10 Path=All

Prerequisite: None

Emphasis will be placed on the importance of maintaining a good level of overall fitness. Students will dress out daily and do a 20 to 30 minute cardio workout on a daily basis and then participate in an area of concentration. Students will be given the Missouri Physical Fitness Assessment in the the 4 areas of: cardiovascular endurance, abdominal strength, upper body strength and flexibility. Many team sports will be taught. Students will be tested on fundamentals, knowledge, and general playing ability of each unit covered.

#8050 Health

Credit: ½ unit Length of Course: 1 semester Grade: 9 Path=All

Prerequisite: None

Each individual will have the opportunity to develop a positive attitude toward health, hygiene, nutrition, and safety as well as knowledge, understanding, and skills in the principles which are necessary to insure a high level of social, physical, and mental well-being. Students will be expected to read topic selections and participate in discussions. Testing will be done regularly over the material covered.

ELECTIVE COURSES

#8100 Team Sports

Credit: ½ unit Length of Course: 1 semester Grade: 10, 11, 12 Path=All

Prerequisite: Successful completion of two semesters of Required PE.

Recommendation: Successful completion of two semesters of Required PE with a grade of C or better.

Students are expected to dress out and participate on a daily basis. This includes a 20 to 30 minute cardio workout daily. This class will include a variety of team sports such as basketball, volleyball, football, track, softball, etc. The class will include conditioning, skill tests, written tests, and game strategies.

SECTION 4: COURSE DESCRIPTIONS

#8200 Lifetime Sports

Credit: ½ unit Length of Course: 1 semester Grade: 10, 11, 12 Path=All

Prerequisite: Successful completion of two semesters of Required PE.

Recommendation: Successful completion of two semesters of Required PE with a grade of C or better.

Students are expected to dress out and participate on a daily basis. This includes a 20 to 30 minute cardio workout daily. This class will include a variety of lifetime sports such as ping-pong, pickle ball, running for fitness, Frisbee golf, volleyball, softball, recreation, games, etc. The class will include instruction in rules and strategies. Written and skills tests will be given

#8500 Aerobics

Credit: ½ unit Length of Course: 1 semester Grade: 10, 11, 12 Path=HeaS; HumS

Prerequisite: Successful completion of two semesters of Required PE.

Recommendation: Successful completion of two semesters of Required PE with a grade of C or better. This class will dress out daily and do a 20 to 45 minute cardio workout daily. Some knowledge and enthusiasm about aerobic fitness, as well as an awareness of basic dance and exercise techniques is suggested. Students will be expected to monitor heart rate, learn exercises as well as a specific muscle group being emphasized, and learn a variety of dance steps. Students are expected to participate daily, increasing intensity throughout the class. This course gives students the opportunity to achieve fitness goals while also participating in activity that they enjoy. Aerobic dance/exercise enables students to express desire to become fit.

#8600 Weight Training

Credit: ½ unit Length of Course: 1 semester Grade: 10, 11, 12 Path=HeaS, HumS

Prerequisite: Successful completion of two semester of Required PE or department chair consent.

Recommendation: Successful completion of two semester of Required PE with a grade of B or better. This course is for students who desire to accomplish strength gains, speed, and muscle mass. Basic weight room knowledge is also recommended. Students will learn safety procedures for the weight room, develop form and technique, monitor gains in strength and speed, and execute consistent weight training programs. Students will be expected to perform certain lifts throughout the semester class, as well as achieve particular goals. Students are to take safety tests and be responsible for knowledge of particular apparatuses.

SECTION 4: COURSE DESCRIPTIONS

Military Leadership - USMC JROTC

Senior Marine Instructor: CWO Cain

ELECTIVE COURSES

#9800 MCJROTC Orientation

Credit: ½ unit Length of Course: 1 semester Grade: 9, 10, 11, 12 Path=All

Prerequisite: None

This course is highly recommended for all students wanting to join Marine Corps Junior Reserve Officer Training Corps (MCJROTC). Students need parental/guardian permission to enroll. This course will consist of one week of introduction to MCJROTC. It will include but not be limited to the following: physical training, drill, and basic knowledge of MCJROTC. This course will be held from 8AM until 11AM Monday through Friday, usually the week prior to the start of school.

All cadets who successfully complete a full year of ROTC 1 and/or ROTC 2 will receive ½ unit of Required Physical Education per year for a total of 1.0 units of required physical education for both years.

#9801 Leadership Education I

Credit: 1 Unit Length of Course: 2 semesters Grade: 9, 10, 11, 12 Path=All

Prerequisite: None

This course is open to all entry level cadets. Students are instructed in MCJROTC unit organization, Marine Corps history, and small unit leadership skills. Drill and ceremonies, beginning public speaking, and physical education are used as a practical application of training in leadership. Students become aware of customs and courtesies, organization, and operations of the U.S. Marine Corps.

#9802 Leadership Education II

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=All

Prerequisite: Successful completion of Leadership Education I.

Cadets are introduced to leadership application beyond the small unit level. The practical application of Marine Corps history, leadership, drill commands, and ceremonies are used in student leadership training.

Further, students continue physical education training and study selected topics such as military justice, map reading, intermediate public speaking, and theories and psychology of learning. Cadets are assigned to responsible positions within the cadet battalion organization.

#9803 Leadership Education III

Credit: 1 Unit Length of Course: 2 semesters Grade: 11, 12 Path=All

Prerequisite: Successful completion of Leadership Education II.

Students are introduced to the mission and organization of the Marine Corps at the major command level. Students study national security organization, the U.S. Constitution, explore world ideologies and current world leaders as well as complete a research paper. Students continue physical education and advanced public speaking. Students are assigned to the senior-level positions of leadership and responsibility.

#9804 Leadership Education IV

Credit: 1 Unit Length of Course: 2 semesters Grade: 12 Path=All

Prerequisite: Successful completion of Leadership Education III.

This course consists of special projects, research and administration of the MCJROTC program. Students conduct practical application of leadership skills by leading drill and ceremonies, advanced public speaking, completion of research papers, and professional reading assignments. Students

SECTION 4: COURSE DESCRIPTIONS

serve as class commanders, teaching and research assistants. Career planning and future educational goals are explored. All students will take the ASVAB.

#9805 MCJROTC Drill and Marksmanship Team

Credit: 1 Unit Length of Course: 2 semesters Grade: 10, 11, 12 Path=All

Prerequisite: Audition and instructor consent.

The focus of this course is discipline, attention to detail, and instant obedience to orders with regard to drill and marksmanship. Please make note there are elevated academic & conduct standards expected from all drill and marksmanship team members. These requirements are reviewed during auditions. Failure to adhere to these standards may result in dismissal from the team(s).

SECTION 4: COURSE DESCRIPTIONS

A+ Program

Program Director: Mr. Flexsenhar

#9885 A+ Mentoring

Credit: ½ Unit Length of Course: 1 semester Grade: 11, 12 Path=All

Prerequisite: Completed A+ application, 2.5 GPA, 95% attendance, good adherence to the citizenship policy, and achieve a score of proficient on a MDHE approved mathematics exam.

This course is offered for students in the A+ Program as an opportunity to obtain the required 50 hours of mentoring within the regular school day. Mentors will be assigned to travel to one of the other buildings in the district to mentor younger students. Their duties will be specified by a supervising teacher in that building, and will consist of activities to mentor the younger students in their academic pursuits. Mentors must keep a daily log of their activities and must fulfill the responsibility of setting a good example.

A scoring guide will be used that outlines course expectations. Students are required to return monthly log sheets and perform well at their mentor site. Performance expectations include being punctual and in attendance, displaying appropriate behavior, following the dress code, signing in and out correctly, and adhering to district rules and regulations.

Service Classes

Placement for service classes is by administration/guidance only.

Students *may not* request aiding as a course selection.

Aide - High School

Credit: 1 unit Grade: 11, 12

Prerequisite: Conflict with schedule.

A student must be a junior or senior, have 2.0 GPA the previous semester with no F's, good attendance, have office approval, and have parental approval. Attendance and discipline records are screened through the assistant principals' and counselors' offices.

Academic Advisory Aide - High School

Credit: ½ unit Grade: 11, 12

Prerequisite: Conflict with schedule.

A student must be a junior or senior, have 2.0 GPA the previous semester with no F's, good attendance, have office approval, and have parental approval. Attendance and discipline records are screened through the assistant principals' and counselors' offices.

Aiding and A+ Mentoring courses are elective courses and grading will be on a pass/fail basis. No grade points are awarded. A+ Mentoring and aiding *may not* occur in the same semester unless approved by the principal. Each student may have only one hour as an aide per semester. Each aide is expected to run errands, help other students, perform tasks, etc., which will benefit the office to which they are assigned. Any out of school suspension will merit automatic dismissal from the program.

SECTION 4: COURSE DESCRIPTIONS

Special Education Department

Chairperson: Ms. Kieffer

Pacific High School provides programs to serve students with special needs. In order to participate, the student must have a diagnostic evaluation and an individual education plan (IEP) on file.

Services for Students with Individual Educational Programs: The purpose of these programs is to provide academic, vocational, and behavioral assistance to students with a disability. The educational program for each student is guided by specific, individualized education plan (IEP) goals. Students served may be diagnosed as having an educational disability in the categories of: autism, emotional disturbance, hearing impairment/deafness, intellectual disabilities, multiple disabilities, orthopedic impairments, other health impairments (OHI), specific learning disabilities, speech or language impairment, traumatic brain injury, and visual impairment/blindness. Students' needs are met in a variety of settings: resource room, co-taught classrooms, and regular education placement.

Co-Taught Classes

Co-teaching is a collaborative process whereby educators with different areas of expertise work together to help all students achieve success. Co-teaching assures that all students have highly qualified teachers as defined by No Child Left Behind (NCLB) and that students with special needs receive the support they need to be successful. To assist special education students in meeting the goals, accommodations and modifications of their individual education plan (IEP) and graduation requirements, designated classes that are co-taught by a general education teacher and a special education teacher will be offered. These classes are referred to as "co-taught" and are provided in core curriculum classes required for graduation.

Functional

Functional classes are designed for students with special needs that are identified through the IEP process. These courses may be appropriate for students with an educational diagnosis of intellectually impaired or severe autism. The courses involve review of basic skills and the practical application of these skills to real life situation.

#0150 English

Credit: 1 unit

Grade: 9, 10, 11, 12

#0175 Reading

Credit: 1 unit

Grade: 9, 10, 11, 12

#0210 Mathematics

Credit: 1 unit

Grade: 9, 10, 11, 12

#0212 Personal Finance/Math

Credit: ½ unit

Grade: 10, 11, 12

#0300 Science

Credit: 1 unit

Grade: 9, 10, 11, 12

#0400 History

Credit: 1 unit

Grade: 9, 10, 11, 12

#0570 Life Skills and Health

Credit: 1 unit

Grade: 9, 10, 11, 12

Cooperative School Work Program

The Cooperative School Work Program combines existing IEP students programs with on-the-job experience. Eligible students, juniors and seniors, work with both a work experience coordinator and a vocational rehabilitation counselor to develop an individualized rehabilitation plan.

SECTION 4: COURSE DESCRIPTIONS

#0910 Vocational Rehabilitation

Credit is determined by the number of hours the student is enrolled in the program.

Grade: 11, 12

Path=All

Prerequisite: IEP Status and previous application to open a Voc Rehab file.

This is an elective class for juniors and seniors that have an approved standing with Vocational Rehabilitation for services. It is designed to provide students the opportunity to learn valuable job skills while earning school credits and wages. It provides training in learning job skills and job search techniques. Vocational evaluations are done to assist in determining a student's interests, aptitudes, and abilities. Vocational counseling is provided to aid students in coping with challenges that develop on the job.

Language Intervention

These are classes designed to address IEP goals for students with language impairments. Enrollment in these classes is by recommendation of the IEP team and speech and language therapist.

#0993 Language Intervention I

Credit: ½ unit per course

Grade: 9, 10, 11, 12

Class activities will be based on individualized goals as stated on the students IEP such as improving vocabulary, comprehension, higher critical thinking skills, figurative language and improving syntax.

#0994 Language Intervention II

Credit: ½ unit per course

Grade: 9, 10, 11, 12

Class activities will be based on individualized goals as stated on the students IEP such as improving vocabulary, comprehension, higher critical thinking skills, figurative language and improving syntax.

#0995 Language Intervention III

Credit: ½ unit per course

Grade: 9, 10, 11, 12

Class activities will be based on individualized goals as stated on the students IEP such as improving social skills and social behaviors as well as improving expressive language skills.

Social Skills

This course is designed to provide student instruction, practice, and training in pro-social behaviors and overall social skills development. Students will develop these skills through numerous methods, including explicit instruction, discussion, self-reflection, role play/rehearsal, and video modeling. At the end of the course, it is the aim that students be able to interact more acceptably in a variety of social scenarios and use techniques to make choices appropriate to school and real life situations. Placement is by recommendation of the speech-language pathologist and school autism specialist only.

Gifted

#0610 Odyssey Explorations

Credit: ½ elective per semester

Grades: 9-12

Path=All

Prerequisite: Qualify for Odyssey Program.

Odyssey Explorations provides achievement and acceleration opportunities through enrichment, individualization, and academic rigor. The course includes a wide variety of topics such as classical literature, computer programming, applied robotics, contemporary art and media, applied design, and ACT preparation. Through these topics, students will be able to individualize studies in order to pursue areas of interest. The course may be taken at any time during high school, either semester, and/or be repeated. Course content is designed to meet these flexible needs.

SECTION 5: VOCATIONAL AND TECHNICAL EDUCATION

Four Rivers Career Center, (FRCC) is a public education institution that offers specialized and diverse educational opportunities to secondary students. Students have the opportunity to investigate career interests prior to college and/or begin a career field right after high school graduation.

FRCC has dual credit agreements with East Central College (ECC) for most of its technical programs. Students are able to receive college credit immediately upon completion of courses taken through FRCC and enter ECC with advanced standing. Articulation agreements also exist with Linn State Technical College for several FRCC programs. For more information in pursuing a course of study at FRCC, see your school counselor. High School Career English is embedded within many of the programs so high school students are able to earn the required 4th credit of English for graduation.

Who should apply?

- Current 10th and 11th grade students that are in good standing academically, have good attendance, and good behavior.
- Students who enjoy learning in a “real-world” or “hands-on” environment.
- Students who know what they want to do and want to get involved with their career now.

Placement for vocational technical classes is by application only. Applications will be made available by January 15. **Program sizes are limited.** Completed applications are due to counseling office by February 15. **Late applications will not be accepted.** After applications are received, students will be interviewed by the counseling staff.

Along with the application, the student’s attendance record, transcript of grades, discipline record, interview scores, and current teacher evaluations, will be taken into consideration to fill our allotted slots in the various programs. All students that make application will receive notification after selection has taken place through their guidance counselor.

The following Vocational Programs are available at Four Rivers Career Center:

**Agriculture Education
Automotive Technology
Building Trades
Collision Repair
Graphics Communication
Information Technology
Machine Tool Technology
Welding Technology
Teaching Careers
Business Ignite CAPS
Culinary Arts
Health Science Occupations-offered at PHS campus**

SECTION 5: VOCATIONAL AND TECHNICAL EDUCATION

Descriptions provided are for both years of the program.

The **Agricultural Education** program prepares students with basic concepts and technical skills needed to succeed in agribusiness and related agricultural careers. Instruction focuses on hands-on problem solving. The course includes leadership, personal development, FFA, SAE record keeping, woodworking, plant science and horticulture production, welding, and oxy-acetylene cutting.

Students learn to make skilled decisions concerning the challenges facing today's agricultural industry. Students also participate in FFA, a co-curricular organization of, by, and for students enrolled in agricultural education programs. FFA provides technical skills for employment in agribusiness and a strong academic foundation for continued agricultural education.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 22.

#9400 Agricultural Education I

Credit: 3 units

Grade: 11, 12

Path=HumS ,NR

Prerequisite: The successful student should possess good health, possess good communication skills, both written and oral, have good attendance, and possess the ability to complete tasks on time.

#9410 Agricultural Education II

Credit: 3 units

Grade: 12

Path=HumS, NR

Prerequisite: Successful completion of Agricultural Education I.

Automotive Technology is one of a select few in the country meeting the strict industry standards required for Automotive Service Excellence (ASE) certification by the National Automotive Technicians Education Foundation (NATEF). Core topics and related skills are taught which prepare student the automotive field at one of these levels: As an advanced apprentice, a program of continued education to extend their knowledge of the auto industry, military service in a chosen mechanical field. Personal development, work ethics, work attitudes, and leadership skills are taught through Skills USA. Advanced standing will be granted by ECC toward an Associate Degree for students successfully completing the two year program. Topics include basics of auto diagnostics and repair.

EMBEDDED CREDIT: High school students are eligible to earn 0.5 credit per year of Career English.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 22.

ARTICULATED CREDIT: Future State Technical College of Missouri students may be awarded credit for this course upon enrollment at the college.

#9370 Automotive Technology I

Credit: 3 units

Grade: 11, 12

Path=IE

Prerequisite: The successful student should possess good health with good mobility, ability to use the computer and computerized tools, possess strong verbal skills, able to follow

SECTION 5: VOCATIONAL AND TECHNICAL EDUCATION

multi-step directions both written and oral, complete tasks on time, have good attendance, be polite and respectful, and use time wisely.

#9380 Automotive Technology II

Credit: 3 units

Grade: 12

Path=IE

Prerequisite: Successful completion of Automotive Technology I.

Building Construction is a two-year program where students have an opportunity to study and acquire basic entry-level skills in construction related trades. Students are exposed to various phases of residential and commercial construction through book study and hands-on work at a jobsite. A few areas covered are plumbing, electrical wiring, taping and hanging drywall, painting, job layout bricklaying, constructing retaining walls and materials estimating. Practices that are stressed are working together in crews of two or more, work area setup and materials handling, securing jobsites, equipment maintenance, leadership, and self - discipline. Previously completed courses or experience in drafting, general shop, electricity, mathematics, and ready are very beneficial. Advanced standing will be granted by East Central College toward an Associate Degree to those students successfully completing the Building Construction Technology Program.

EMBEDDED CREDIT: High school students are eligible to earn 0.5 credit per year of Career English.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 22.

ARTICULATED CREDIT: Future State Technical College of Missouri students may be awarded credit for this course upon enrollment at the college.

#9500 Building Construction I

Credit: 3 units

Grade: 11, 12

Path=A&C, IE

Prerequisite: The successful student should possess good physical health-especially respiratory, good strength and endurance with good mobility and balance, good reading and writing skills - the ability to write/answer in complete sentences, strong verbal skills and vocabulary recall - must learn job specific terminology and language, strong math & problem solving skills - particularly methods of measuring, calculating area & perimeter and fractions, be able to follow multi-step directions, is positively motivated to work, punctual, good attendance, prepared for school with the proper equipment/tools/homework, stays on task and is able to work cooperatively with others.

Recommended for success: Drafting, General Shop, and Mathematics.

#9510 Building Construction II

Credit: 3 units

Grade: 12

Path=A&C, IE

Prerequisite: Successful completion of Building Construction I.

SECTION 5: VOCATIONAL AND TECHNICAL EDUCATION

Collision Repair is a two-year program where students acquire basic entry-level skills that are an integral part of the auto body repair trade. The comprehensive ASE certified course covers basic welding, sheet metal dent repair, surface preparation, and refinishing fundamentals. Instruction is also provided in automotive design/construction, identification, and care of hand and power tools. Basic skills are reinforced with instruction added in body panel replacement, collision estimation, shop management, frame damage identification, MIG welding, and glass installation.

EMBEDDED CREDIT: High school students are eligible to earn 0.5 credit per year of Career English.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 22.

ARTICULATED CREDIT: Future State Technical College of Missouri students may be awarded credit for this course upon enrollment at the college.

#9420 Collision Repair I

Credit: 3 units

Grade: 11, 12

Path=IE

Prerequisite: The successful student should possess good health, especially respiratory; class requires hard physical labor for extended periods of time, good mobility and range of motion, strong perceptual skills, artistic creativity, moderate reading skills, good math skills, attention to detail, accuracy and safety, ability to stay on task and are positively motivated.

#9430 Collision Repair II

Credit: 3 units

Grade: 12

Path=IE

Prerequisite: Successful completion of Collision Repair I.

The two year **Graphic Communications** program provides the training and experience necessary for employment in one of the many fields in the graphic industry. Students can broaden their knowledge and skills through exposure to a variety of training areas which include: layout design, CTP (computer to plate), desktop publishing (primarily using Adobe in Design, Illustrator, and Photoshop), photography, multimedia production, screen printing, pad printing, and offset press operation. Students will be exposed to actual projects in the field, and gain an understanding of client expectations and needs. They will work with real deadlines and learn how to complete projects in a timely manner.

EMBEDDED CREDIT: High school students are eligible to earn 0.5 credit per year of Career English.

ARTICULATED CREDIT: Future State Technical College of Missouri students may be awarded credit for this course upon enrollment at the college.

#9440 Graphic Communications I

Credit: 3 units

Grade: 11, 12

Path=A&C, BMT, IE

Prerequisite: The successful student should possess strong writing skills - the ability to write/answer in complete sentences, strong verbal skills, strong math skills - particularly in methods of measuring, fractions, decimals, and percentages, artistic and mechanical creativity, well organized - uses time well, work independently, monitor their own progress, positive attitude, maintain professional attitude, good attendance, and accepts constructive

SECTION 5: VOCATIONAL AND TECHNICAL EDUCATION

criticism well.

Recommended for Success: English, Keyboarding and Computer Applications, Art

#9450 Graphic Communications II

Credit: 3 units

Grade: 12

Path=A&C, BMT, IE

Prerequisite: Successful completion of Graphic Communications I.

Information Technology offers students an introduction to the inner workings of both computer software and hardware. The first year will cover computer hardware, operating, system software, troubleshooting, maintenance, and repair. Students build a computer, diagnose system errors and faults, and make computer repairs. Students will prepare to test for the A+ (Computer Technician) Certification. The second year will offer computer networking fundamentals, hardware, software, protocols, troubleshooting, maintenance, and repair. Students will build and diagnose a computer network. Students will prepare to test for the Network+ (Network Technician) Certification. Six hours of dual credit through East Central College is also available.

EMBEDDED CREDIT: High school students are eligible to earn 0.5 credit per year of Career English.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 22.

ARTICULATED CREDIT: Future State Technical College of Missouri students may be awarded credit for this course upon enrollment at the college.

#9577 Information Technology I

Credit: 3 units

Grade: 11, 12

Path=All

Prerequisite: Keyboarding and Computer Applications. The successful student will possess strong reading comprehension skills, very strong problem solving ability, a tendency toward mechanical creativity, good self-discipline and organizational skills, strong writing skills - ability to write in complete sentences/paragraphs, ability to learn and remember extensive technical vocabulary, works independently, strong social skills, and neat and clean appearance. It is highly recommended that student has completed a high-school level Computer Applications class with a B average.

#9578 Information Technology II

Credit: 3 units

Grade: 12

Path=All

Prerequisite: Successful completion of Information Technology I.

SECTION 5: VOCATIONAL AND TECHNICAL EDUCATION

Machine Tool Technology. The Machine Tool Program is a two-year program offering basic instruction in the use of precision tools and machines. This program provides first-hand machinist training in the areas of turning, milling, and grinding materials. This program is MINS certified through ECC - dual credit will be granted to students successfully completing course requirements.

EMBEDDED CREDIT: High school students are eligible to earn 0.5 credit per year of Career English.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 22.

ARTICULATED CREDIT: Future State Technical College of Missouri students may be awarded credit for this course upon enrollment at the college.

#9520 Machine Tool Technology I

Credit: 3 units

Grade: 11, 12

Path=IE, NR

Prerequisite: The successful student will possess very strong manual dexterity, very strong handwriting & drawing ability, very strong hand-eye coordination, strong ability to make size and spatial distinctions, follow multi-step directions, ability to learn/recall job specific vocabulary, very strong math skills - fractions, decimals, angles, perimeter, area, geometry, & trigonometry, good computer skills, exceptional problem solving capability, mechanical creativity, good attendance, works well with others, stays on task, and is polite and respectful.

Recommended for Success: Mathematics, Drafting, Computer Applications, Industrial Arts.

#9530 Machine Tool Technology II

Credit: 3 units

Grade: 12

Path=IE, NR

Prerequisite: Successful completion of Machine Tool Technology I.

The **Welding** program is a two year program that prepares students for employment in the welding and metal fabrication industries. This comprehensive program trains students in various types of welding processes and positions, including plate and pipe. Materials used include steel, stainless steel, and aluminum. Blueprint reading, layout, and fit-up are integral parts of the curriculum. Areas of training include: OF - OXY Fuel (cutting); SMAW - Stick All position Welding; GMAW - MIG All position Welding; FCAW - Flux Cored Arc Welding; GTAW - TIG All position Welding; PAC - Plasma Arc Cutting; and SAW - Submerged Arc Welding.

EMBEDDED CREDIT: High school students are eligible to earn 0.5 credit per year of Career English.

DUAL CREDIT: Only students with a cumulative GPA of 3.0 will be eligible for the advanced college credit program. More information can be found in Section 3: College Programs and Post High School Planning-page 22.

ARTICULATED CREDIT: Future State Technical College of Missouri students may be awarded credit for this course upon enrollment at the college.

SECTION 5: VOCATIONAL AND TECHNICAL EDUCATION

#9540 Welding Technology I

Credit: 3 unit

Grade: 11, 12

Path=A&C, IE, NR

Prerequisite: The successful student will possess good manual dexterity, strong eye-hand coordination, good writing skills-the ability to write answers/assignments in complete sentences, very strong reading skills-text is complex and outside reading required, strong math skills-precise measuring skills, convert & manipulate fractions, decimals & percentages, ability to follow multi-step directions, good attendance, works independently, comes prepared to work-brings materials/equipment, stays on task, uses time wisely, maintains professional attitude-serious about this career, polite and respectful.

#9550 Welding Technology II

Credit: 3 units

Grade: 12

Path=A&C, IE, NR

Prerequisite: Successful completion of Welding Technology I.

The **Culinary Arts** Program is a program to prepare students in the food industry by working in a state of the art commercial kitchen.

#9590 VT Culinary Arts I

Credit: 3 units

Grade: 11, 12

Path=A&C, IE, NR

#9595 VT Culinary Arts II

Credit: 3 units

Grade: 12

Path=A&C, IE, NR

Prerequisite: Successful completion of Culinary Arts I.

Teaching Careers is a one year program open to seniors in high school who are seriously considering the elementary or secondary teaching profession or corporate education. The program is designed to allow students true teaching experiences and opportunities for learning at various levels, while partnering with local schools to complete observation hours and assignments related to the course work.

EMBEDDED CREDIT: High school students are eligible to earn 1 credit per year of Career English.

DUAL CREDIT: Dual credit is offered to eligible students through the University of Central Missouri. **Students must earn a "C" or better to continue with other courses in the college of education.** More information can be found in Section 3: College Programs and Post High School Planning-page 22.

#9560 Teaching Careers

Credit: 3 units

Grade 12

Path=HS

Prerequisite: *Child Development and Psychology highly recommended.* Students also need basic typing and computer processing skills. Students must also provide their own transportation to the internship site school and abide by the Teaching Careers Code of Conduct. The successful student will possess strong reading comprehension skills, very strong problem solving skills, strong writing skills, work independently and in a collaborative setting, strong social skills, and neat and clean appearance.

SECTION 5: VOCATIONAL AND TECHNICAL EDUCATION

Business Ignite CAPS (Center for Advanced Professional Studies) is a course that introduces students to the knowledge, attributes and skills entrepreneurs need to create and launch their own business concepts. The cutting-edge thinkers of tomorrow will experience a unique and creative learning atmosphere conducive to business innovation. The course allows students to frame learning opportunities as they research ideas, analyze market viability, create prototypes and solutions as well as pitch their projects to actual business and community leaders. Students are taught the foundations of business needed to start companies while developing skills and talents necessary to invent their own careers.

#9465 Business Ignite CAPS

Credit: 3 units

Grade 12

Path=BMT

Prerequisite: Technology adeptness, good oral and written communication skills, effective time management, critical thinking and problem solving skills. Ability to speak in front of diverse groups of people. Good attendance. Qualifications to participate in internships, agency rotations and related opportunities outside of Four Rivers campus is partially based on attendance history.

Health Science Occupations is a one year program open to seniors in high school who are seriously want to gain the knowledge to be used as a foundation for entry into higher levels in the health care field. Through classroom study, laboratory training, field trips, and guest speakers, students become familiar with the theory/clinical aspects of health careers. During the second semester, students rotate through approximately 35 different clinical sites to experience first-hand what each career has to offer. Community service is an essential part of the program. Students engage in activities with various age groups during the year: blood pressure and eye/ear screening, dental and hand-washing education, and peer group presentations.

#9581 Health Occupations -A & P Credit: ½ unit

#9582 Health Occupations- Orientation Credit: ½ unit

#9583 Health Occupations- Fundamentals Credit: ½ unit

#9584 Health Occupations - Terminology Credit: ¼ unit

#9586 Health Occupations – Rotations Credit: 1 ¾ units

Grade: 12

Path=HeaS, HumS, NR

Prerequisite: Application and interview process.

Recommended for Success: Students must possess a cumulative GPA of 2.5 or higher. Students are strongly encouraged to have successfully completed Algebra I or higher and either Chemistry or Anatomy and Physiology. Students must provide their own transportation for second semester rotation schedule. Students must maintain a C average or better in Health Occupations first semester to qualify for second semester rotations. OSS can be grounds for removal from program resulting in failure and loss of credit hours.

Class Fees: Costs involved with this program include \$13.00 for background check; \$20.00 HOSA dues; HOSA fall leadership conference is \$15.00 and second semester state HOSA competition is \$60.00-does not include hotel costs, ; approximately \$45.00 uniform top and bottom; additional fee for field trips; and any fees associated with required immunizations. Students may need transportation first semester with prior advanced notification.

This course provides the foundation for entry into higher levels in the health care industry upon graduation from high school. Through classroom study, laboratory training, field trips, and guest speakers, students become familiar with the theory/clinical aspects of health careers. During second semester, students rotate through approximately 35 different clinical sites to experience first-hand what each career has to offer. Community services is an essential part of the program. Students engage in activities with various age groups during the year.

For more information on any of these programs, visit www.fourriverscc.org

SECTION 6: CREDIT RECOVERY/ INDIVIDUALIZED INSTRUCTION

CREDIT RECOVERY: *Pacific High School recognizes that students sometimes lose credit for a variety of reasons—poor attendance, failure to complete work in a timely manner, or lack of academic effort. Some alternatives for students who need to regain credit toward graduation are available. These alternatives may include but are not limited to: correspondence courses, computer based instruction, and summer school.*

Students wishing to pursue credit recovery should discuss the options with their counselor as most programs have limited availability and options. Students must have administrative approval to earn credit toward graduation in any of these programs.

Correspondence Courses and Computer Based Instruction:

Options for completing a course through correspondence courses and/or on-line courses are increasing. Students taking these courses complete class work on an independent basis without direct teacher instruction. Course work is typically submitted online or via mail. Test and final examinations may be taken at approved supervised sites only. Only correspondence courses from accredited programs such as Brigham Young University and University of Missouri are available for students desiring to pursue this option. Cost for correspondence is the responsibility of and must be paid for by the student and/or the student's parent/guardian. Consult with your counselor for additional information on correspondence courses.

Summer School:

Students that fail a course should attend summer school to make up credit. Only selected cored classes are offered during summer school. A student that decides to attend a summer school other than Pacific should obtain approval of their counselor to determine whether or not the credit is transferable and will apply to our graduation requirements. Students are notified in early May if they have a credit shortfall and would benefit from Summer School.

If offered, any student may take Health or Personal Finance for enrichment. Additional classes for enrichment may be offered. Applications will be available for students in the spring.