Platte County High School

CAREER & EDUCATIONAL PLANNING GUIDE

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Letter of Introduction

Dear PCHS Students and Parents:
This Career and Educational Planning Guide is intended to assist students as they make plans for their high school academic achievement and for career exploration. We will provide assistance during the enrollment process to help all students create an educational plan suited toward their interests, while meeting graduation requirements.

The personal plan of study is the student's unique plan of study which outlines courses that align with future education and career goals. When students see the relevancy of high school coursework to their future, they are more apt to take school seriously and enroll in more rigorous courses. Course selection is very important and schedule changes can be very difficult. We advise that students and parents spend time reviewing the course selections and ask questions of staff during this process.

Parents: Challenge your student to set high standards, select courses and school activities which directly help them achieve personal and career goals, and motivate them to be dedicated and committed to these goals. Your participation in your child's education plan is critical to their success!

We look forward to partnering with you for a successful year. Please don't hesitate to contact us if we can be of assistance.

- *PCHS Administration & Counseling Department*

Notice of Non-Discrimination

It is the policy of the Missouri Department of Elementary and Secondary Education not to discriminate on the basis of race, color, religion, gender, national origin, age, or disability in its programs or employment practices as required by Title VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975 and Title II of the Americans with Disabilities Act of 1990.

Vision, Mission, and Values

Frequently Asked Questions

- **Can I repeat a course for graduation credit?** Yes, if you receive a failing grade in a course that is required for graduation, you may repeat the course an additional time.
- **What if I have a lower grade in a course than I would like to have on my transcript?** All grades received and listed on a transcript are final.
- **Can I graduate early?** Yes, if you have successfully completed the PCR-3 graduation requirements including all coursework and necessary state exams. You then can speak with your counselor about being an Early Graduate/Mid-Year Graduate.
- **What happens if I fail a semester of a required full year (2 semesters) course?** You will only be expected to repeat the semester of the course in which you failed.
- **Do you offer summer school courses?** Additional credit(s) can be earned during summer school. Course offerings for summer school change from year to year.
- **Can I change my schedule?** Students are able to change their schedules due to computer error; prerequisites not met, duplicate credit, or wanting a more rigorous course. There are exceptions and each case is taken into consideration following a parent/student conference.
- **What is the number of credits needed to graduate from high school?** 24.
- **Do any classes taken in middle school count toward high school credit?** No, any typically identified 9-12 course that students can take in eighth grade is transcribed on the high school transcript, but does not count as a credit toward high school graduation or high school cumulative GPA.
- **Can I earn college credit while in high school?** Yes, students can earn college credit through dual credit, concurrent credit, and AP courses.

High School Course Graduation Requirements

HIGH SCHOOL COURSE GRADUATION REQUIREMENTS	
Curricular Areas	Graduation Units Needed
English Language Arts	4 units
Social Studies	3 units
Mathematics	3 units
Science	3 units
Fine Arts	1 unit
Physical Education	1 unit
Personal Finance	½ unit
Health	½ unit
Practical Arts	1 unit
Electives	7 units
TOTAL	**24 UNITS**

Minimum Post-High School Admission Requirements

MINIMUM POST-HIGH SCHOOL ADMISSION REQUIREMENTS				
Curricular Areas	Entering Freshman University of Missouri System Credit Requirements	Missouri Public 4 Year Colleges Credit Requirements *may vary by school*	Community & Technical Colleges	Military Careers
English Language Arts	4 units	4 units	**High School Diploma, or a Completion of Home School Program**	**High School Diploma**
Social Studies	3 units	3 units		
Mathematics	4 units Alg I & Higher	3 units Alg I & Higher		
Science	3 units 2 of 3 from Bio, Chem, Physics & Earth Science	3 units No General Science 1 must be a lab class		
Fine Arts	1 unit	1 unit		
Physical Education	0 units	0 units		
Practical Arts	0 units	0 units		
Electives	0 units	6 units		
World Language	2 years of the same world language	2 years of the same world language		
TOTAL	**17 UNITS** **Plus ACT Score**	**23 UNITS** **Plus ACT Score**		

The Missouri State High School Activities Association Information

The Missouri State High School Activities Association ("MSHSAA"), of which Platte County R-III High School is a member, is a voluntary, not for profit, educational association of junior and senior high schools established for the purpose of working cooperatively in adopting standards for supervising and regulating interscholastic activities and contests. Under MSHSAA By-Law 2.3, students must meet certain academic requirements in order to be academically eligible to participate. More information on this can be found at www.mshsaa.org.

National Association of Intercollegiate Athletics (NAIA) Information

For information about eligibility to play NAIA athletics, go to www.playnaia.org.

National Collegiate Athletic Association (NCAA) Information

The advantages of competing in college sports are both immediate and lifelong. Participating in college sports provides opportunities to learn, compete and succeed. Student-athletes receive top-notch academic support, quality medical care and regular access to outstanding coaching, facilities and equipment. Student-athletes as a group graduate at higher rates than their peers in the general student body and feel better prepared for life after college.

College-bound student-athletes preparing to enroll in a Division I or Division II school need to register with the NCAA Eligibility Center to ensure they have met amateurism standards and are academically prepared for college coursework.

Are you ready to play college sports? Download these resources to find out.

A+ Program Information

The A+ Program is a Missouri scholarship program whereby if a student meets certain requirements while in high school, upon graduation the state may provide funds for two years of tuition at any state A+ approved community college or technical school to be used within a four-year time period. In order to receive A+ funds a student must:

- Be a U.S. citizen, eligible non-citizen or lawfully present in the U.S.
- Enter into a written agreement with the high school prior to graduation.
- Attend a designated A+ high school for three consecutive years prior to graduation.
- Graduation with an overall G.P.A. of 2.5 or higher on a 4.0 scale.
- Have at least a 95% attendance record over four years.
- Perform at least 50 hours of unpaid tutoring or mentoring, of which up to 25% may include job shadowing.
- Maintain a record of good citizenship and avoid the unlawful use of drugs and/or alcohol.
- Achieve a score of proficient or advanced on the Algebra I end of course exam (beginning class of 2015) OR a score of 17 or higher on the math subset of ACT.

For additional information about the A+ Program contact the A+ coordinator or the Department of Higher Education website (www.dhe.mo.gov).

Career Planning

Career Paths

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

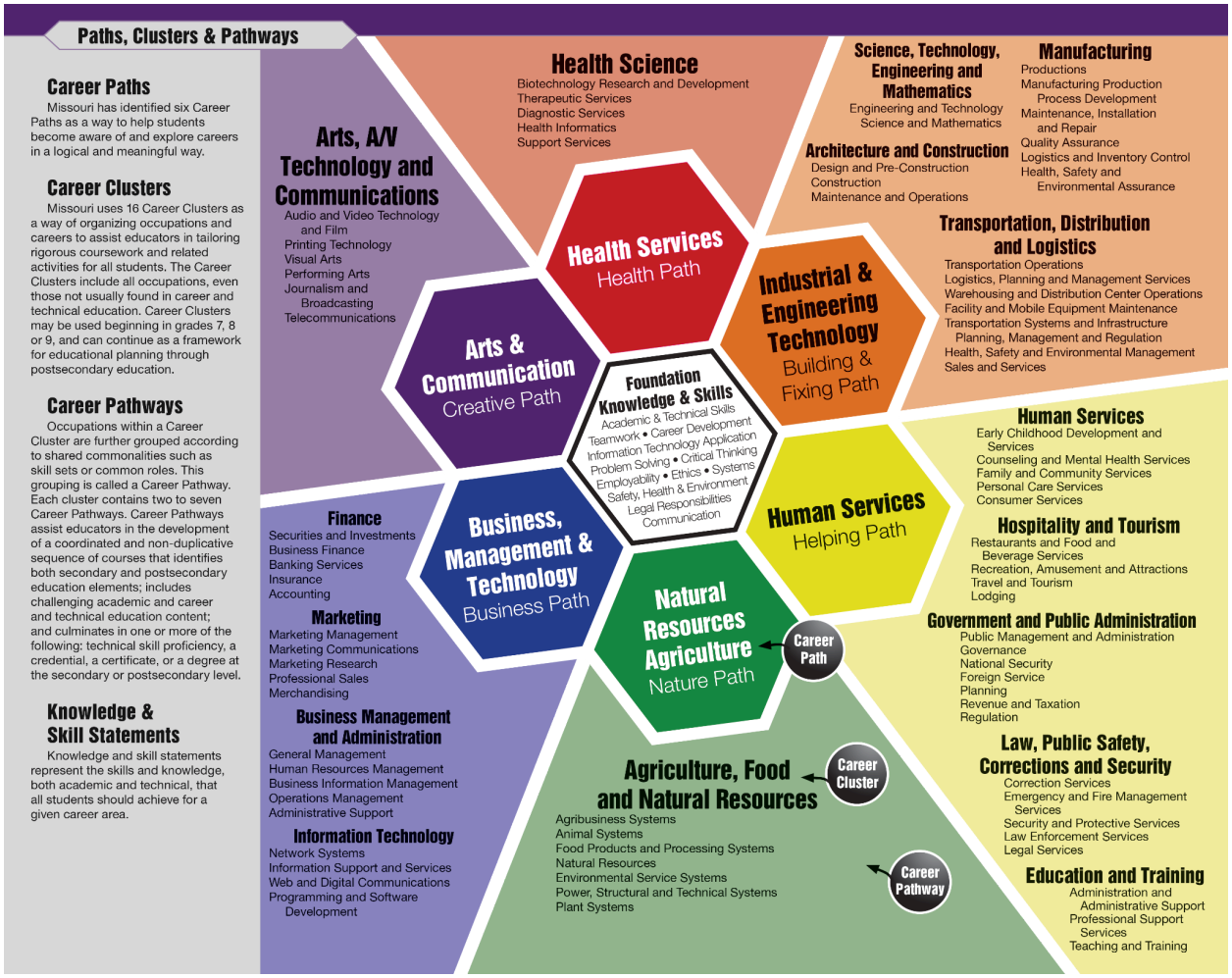
Benefits

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

Choosing a Career Path or Cluster

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

Missouri's Career Path, Cluster, and Pathways Poster



Platte County School District's Portrait of a Graduate

The District and its community of students, families, teachers, staff, and business partners and the Board of Education are committed to developing in all students a set of essential skills that will set them up for success after graduation and beyond. During our "Portrait of a Graduate" design process, various stakeholder groups shared more than 2,500 attributes desired for PCR-3 graduates.

After synthesizing this feedback, six essential skills were chosen for Platte County School District's Portrait of a Graduate to represent the key competencies students need to succeed beyond high school, in their careers, and in life:

Choices After High School

CHOICES AFTER HIGH SCHOOL - THREE "E"S		
Employment	**Enlistment**	**Enrollment**
• Full Time Employment • Entrepreneurial Pursuit • Apprenticeship • Other On-the-Job Training	• Army • Air Force • Air Guard • Coast Guard • Marines • Navy • National Guard	• Vocational or Technical School • Community (Junior) College • College or University

CHOICES AFTER HIGH SCHOOL	
Choice	**Description**
On-the-Job Training	Some occupations do not require training prior to employment rather additional training and skills required beyond high school are provided by the employer.
Apprenticeship	Apprenticeship is a three to four-year training program where you earn money while you learn, working on the job. You receive a license at the end of training. Examples of trades that use apprenticeship are bricklaying, jewelry making,& electrical repair
Vocational/Technical School	Programs at these schools are generally from one month to four years in length. Examples of vocational technical programs include practical nursing, robotics, and some areas of business.
Community/Junior College	Community colleges offer two-year "degree" vocational training, associate degrees, or credit transfer to a college or university where you can pursue a bachelor's degree.
College/University	A bachelor's degree requires approximately four years of college. A master's degree usually requires one to two years of college beyond the bachelor's degree. Entrance requirements depend on the desired program/major.
Military	Training is available for many jobs while you are enlisted. You may also receive financial assistance for college, room and board, salary, and insurance benefits. High school graduation is required.

PROGRAMS OF STUDY	
Program	**Description**
Agriculture, Food & Natural Resources	The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.
Architecture & Construction	Careers in designing, planning, managing, building and maintaining the built environment.
Arts, A/V Technology & Communications	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
Business, Management & Administration	Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.
Education & Training	Planning, managing and providing education and training services, and related learning support services.
Finance	Planning, services for financial and investment planning, banking, insurance, and business financial management.
Government & Public Administration	Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.
Health Science	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
Hospitality & Tourism	Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.
Human Services	Preparing individuals for employment in career pathways that relate to families and human needs.
Information Technology	Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.
Law, Public Safety, Corrections & Security	Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.
Manufacturing	Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.
Marketing, Sales & Service	Planning, managing, and performing marketing activities to reach organizational objectives.
Science, Technology, Engineering & Mathematics	Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.
Transportation Distribution & Logistics	Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Individual Career and Academic Plan (ICAP)

Individual Career and Academic Plan (ICAP)

Platte County High School

Last Name. First Name

Graduation Year: _____

	Grade	Requirements/Credits	Credits	1st Semester	2nd Semester	Review Each Semester
Secondary	9	Language Arts	1			**9th Grade Review**
		Social Studies	1			Dates: _____ _____
		Mathematics	1			Student's Signature(s):
		Science	1			_____
		***Health	1/2			Parents/Guardians' Signature(s):
		***P.E.	1/2			_____
		***Electives or Fine & Practical Art Requirements	2			Advisor's Signature(s):
						_____
	10	Language Arts	1			**10th Grade Review**
		Social Studies	1			Dates: _____ _____
		Mathematics	1			Student's Signature(s):
		Science	1			_____
		Electives / Unmet Requirements	2 1/2			Parents/Guardians' Signature(s):
		***P.E.	1/2			_____
						Advisor's Signature(s):
						_____
	11	Language Arts	1			**11th Grade Review**
		Social Studies	1			Dates: _____ _____
		Mathematics	1			Student's Signature(s):
		Science	1			_____
		***Personal Finance	1/2			Parents/Guardians' Signature(s):
		Electives	2 1/2			_____
						Advisor's Signature(s):
						_____
	12	Language Arts	1			**12th Grade Review**
		Electives	6			Dates: _____ _____
						Student's Signature(s):
						_____
						Parents/Guardians' Signature(s):
						_____
						Advisor's Signature(s):
						_____

Select a Career Path

Select:

Career Cluster

Program of Study

_____

- A+ Program
- Career and Technical Ed Certificate
- Honor Diploma
- Industry Recognized Credential
- Missouri Seal of Biliteracy
- NCAA
- Technical Skill Attainment

Postsecondary Goals

_____

_____

_____

Postsecondary Options:

- Directly to workforce
- Military
- Tech School/Area Career Center
- Vocational Training (Apprenticeship)
- 2 year College
  - transfer to 4 year college
  - lead to workforce
- 4 Year College or University
- Other:

*** health, P E, practical arts, & fine arts may be taken any year 9-12. Personal finance may be taken at any time grades 10-12.

revised 03/2018

Learning Opportunities					
	Educational/Career Goals	**Work Based**	**Extracurricular Activities**	**Co-curricular Activities**	**Assessments/Inventories/ Academic Results**
Postsecondary	**Short-Term:** **Long-Term:**	Apprenticeship Career Research Cooperative Education Employment Internship Job Shadow Mentorship Resume/Job Application/ Mock Interview Service Learning Project Volunteer	List with number of years involved and any positions held. Examples but not limited to: Athletics, Clubs, Leadership, Student Council.	List with number of years involved and any positions held. Example but not limited to: CTSO, Debate, Drama, Marching Band.	MO Connection Interest Inventory ACT: ASVAB: PSAT: SAT: ACT WorkKeys: Other: Career Fair/Expo: FAFSA Workshop/Filed: Scholarship Exploration:

PCHS Requirements	**College Prep Coursework (AP/Dual Credit/IB)**			**Postsecondary Applications**	
	Class Name	**Number of hours**	**Transferable**	**Institution Name**	**Status**
○ American Civics exam ○ Missouri Constitution Exam ○ U.S. Constitution Exam ○ 30 min CPR/First Aid Instruction Language Arts – 4 credits Mathematics – 3 credits Social Studies – 3 credits Science – 3 credits Fine Art – 1 credit Practical Art – 1 credit Physical Education - 1 credit Health - .5 credt Personal Finance - .5 credit Electives- 7 credits **Total of 24 credits + meet all graduation requirements**					

Enrollment Information

Prerequisites

Certain courses have prerequisites that must be fulfilled for a student to enroll properly. The prerequisite courses offer skills that must be mastered in order to be successful in subsequent courses. A prerequisite is considered to be met when a student has passed the prerequisite course. Students who have earned a "D" in a prerequisite course will likely experience great difficulty in successfully completing the subsequent course work.

Adding and Dropping Courses

Students should carefully consider course selections for the next school year. Student course requests provide input for creating the master schedule and determining teacher assignments. Avoiding class overloads and maintaining class balances are of primary importance once the master schedule has been established. Therefore, course changes will be kept to an absolute minimum. The schedule change policy below will be strictly enforced once a student's schedule has been finalized. Request for course changes will be considered for the following reasons only:

1. **COMPUTER ERROR - If the course number has been incorrectly placed in the computer, the enrollment worksheet will serve as a reference for substituting the correct course.**
2. **PREREQUISITE COURSES NOT MET - Many courses require a prerequisite. If a student has not met the necessary prerequisite, a new course will be substituted.**
3. **DUPLICATE CREDIT -A student may not receive credit for a course twice. A course change will be made if the student has registered for a course for which they already have credit. Exceptions include Music, Debate, Newspaper, Yearbook, Studio Art, and Physical Education.**
4. **GRADUATION REQUIREMENT – A required graduation requirement is not listed on your schedule.**
5. **FAILED COURSE – You have failed a previous semester/year of a course.**
6. **MORE CHALLENGING COURSE – Request to move to a more rigorous/challenging course.**

Once the term starts, certain steps must be taken to ensure a class change is warranted. Minimally, the student should arrange a conference with the individual teacher. Only then should the student see a counselor for consideration of a class change. For more information, see your counselor.

Advanced Placement (AP)

Certain advanced courses in the high school program are designated Advanced Placement. The Advanced Placement examinations given each May, on a standardized national test day, are scored by the Education Testing Service. Each examination receives an overall grade on a five-point scale:

- 5 points = extremely well qualified
- 4 points = well qualified
- 3 points = qualified
- 2 points = possibly qualified
- 1 point = no recommendation

Each college decides which AP examination grades it will accept. Some colleges accept grades of 3 or better and give the student credit as if that person had taken one or more basic courses in the subject tested. In some cases, credit is not given, but the necessity of taking basic courses is waived. Students are encouraged to check individual college AP credit policies at: http://collegesearch.collegeboard.com/apcreditpolicy/index.jsp.

It is recommended that college bound students consider taking one or more AP courses. Research shows students completing one or more AP courses, regardless of their grade; do better in college than those never taking AP courses.

Dual Credit

The Dual Credit program for high school juniors and seniors is offered in cooperation with the University of Missouri-Kansas City (UMKC) and Missouri Western State University (MWSU). A student must meet college admissions requirements in order to qualify for dual credit. Dual credit classes are aligned with the curriculum at UMKC and MWSU, but are taught in the high school classroom. Tuition and fees are payable to UMKC and/or MWSU in the first few weeks of class. Students are able to take any of the courses for high school credit only (except for Dual Credit Chemistry).

COURSES AVAILABLE FOR ADVANCED PLACEMENT/COLLEGE DUAL CREDIT

Course Name	AP Credit Available	Dual Credit Available
AP Biology	X	
Dual Enrollment Chemistry		X
AP Physics	x	
AP Calculus AB	X	X
AP Calculus BC	X	X
AP English Language & Composition	X	
AP English Literature & Composition	X	
Introduction to Academic Prose		X
AP U.S. History	X	X
AP U.S. Government & Politics	X	
AP Studio Art	X	
College Algebra		X
Pre-Calculus		X
AP Environmental Science	X	
French III/French IV		X
AP World History	X	
AP Statistics	X	X

All Course Listing

ON-CAMPUS COURSES				
Course	Credit	Grade	Pre-Requisites	Page
General Education				
Health	.5	9,10,11,12	N/A	22
Personal Finance	.5	10,11,12	N/A	22
English Language Arts				
Read 180	1	9	Recommendation	23
English Lang Arts I	1	9	N/A	24
*Pre-AP English I**	1	9	N/A	24
*Pre-AP English II**	1	10	Eng I or Pre-Ap Eng I	24
English Lang Arts II	1	10	Eng I or Pre-AP Eng	24
English Lang Arts III	1	11	Eng II or Pre AP Eng	25
English Lang Arts IV	1	12	EngIII or AP Eng	25
*AP English Lang & Comp**	1	11,12	Eng II or Pre AP Eng	25
*AP English Lit & Comp**	1	11,12	Eng II or Pre AP Eng	25
*Introduction to Academic Prose**	1	12	Eng III or AP Eng Lang & Comp: 3.0 GPA	26
Applied Communications	1	12	3 units of English	26
*Public Speaking**	.5	11,12	N/A	26
Debate I	1 Elec	9,10,11,12	N/A	26
Advanced Debate	1	10,11,12	Debate I	27
Creative Writing	.5	10,11,12	N/A	27
Mythology	.5	10,11,12	N/A	27
Mathematics				
Pre-Algebra	1	9	N/A	28
Algebra I	1	9, 10	N/A	28
Geometry	1	9,10,11,12	Algebra I	29
*Honors Geometry**	1	9,10	Algebra I	29
Algebra II	1	10,11,12	Geometry or Honors Geometry	29
*Honors Algebra II**	1	10,11,12	Geometry or Honors Geometry	29
Trigonometry	.5	11,12	Algebra II (B or better)	30
*Pre-Calculus (Math 120: Pre-Calculus) **	1	11,12	Completion of 3 units of HS Math (Algebra I or higher)	30
Intro to College Mathematics	1	11,12	Algebra II	30

ON-CAMPUS COURSES				
Course	Credit	Grade	Pre-Requisites	Page
Statistics	1	10,11,12	Algebra II	30
*AP Statistics**	1	10,11,12	Algebra II	31
*College Algebra** *(Math 110: College Algebra)*	.5	11,12	Algebra II (B or better)	31
*AP Calculus AB (Math 210: Calculus I)**	1	11,12	Pre-Calc (B or better)	31
*AP Calculus BC**	1	12	AP Calc AB	32
Science				
Physical Science	1	9,10,11,12	N/A	33
Biology	1	9,10,11,12	N/A	33
*Pre AP Biology**	1	9,10,11,12	College ready reading level	33
Chemistry I	1	10,11,12	Algebra I or Geo (C or better)	34
*Dual Enrollment Chemistry (CHE111: General Chem)**	1	11,12	Chemistry I, 22 on Math ACT & 3.0 GPA	34
Earth Science	1	9,10,11,12	N/A	34
Environmental Biology	1	10,11,12	Biology	34
*AP Environmental Science**	1	11,12	Biology & Chemistry (C or better)	35
*AP Biology**	1	11,12	See Ap Bio pg 34	35
Anatomy & Physiology	1	11,12	Biology and Chemistry I (C or better)	35
Physics	1	10,11,12	Algebra I and Geometry (C or better)	36
*AP Physics**	1	10,11,12	Geometry (C or better)	36
Principles of Biomedical Science	1	9,10,11,12	Project Lead the Way Curriculum	36
Human Body Systems	1	10,11,12	Biomedical Science	36
Medical Interventions	1	11,12	Human Body Systems	37
Biomedical Innovations	1	12	Medical Interventions	37
Social Studies				
American History	1	9	N/A	39
*Honors American History**	1	9	N/A	39
World History	1	10,11,12	N/A	39
*AP World History**	1	10,11,12	N/A	39
American Government	1	11,12	N/A	40
*AP US Government**	1	11,12	N/A	40
AP United States History (HIS140: American History to 1865 &	1	11,12	American History & World History	40

ON-CAMPUS COURSES				
Course	Credit	Grade	Pre-Requisites	Page
*HIS150: American History since 1865)**				
Psychology I	.5	11,12	American History & Biology	41
Psychology II	.5	11,12	Psychology 1	41
Sociology	.5	11,12	N/A	41
Practical Arts				
Computer Applications	.5	9,10,11,12	N/A	42
Business Technology I (online)	.5	9,10,11,12	N/A	42
Business Technology II (online)	.5	9,10,11,12	Business Tech I	42
Graphic Arts/Desktop Publishing	.5	9, 10,11,12	N/A	43
Web Design	.5	9,10,11,12	N/A	43
Advertising & Multimedia	1	10,11,12	N/A	43
Sports Marketing & Entertainment	1	9,10,11,12	N/A	44
Accounting	1	10,11,12	N/A	44
Business & Personal Law	.5	10,11,12	N/A	44
Economics	.5	10,11,12	N/A	44
Entrepreneurship	1	9,10,11,12	N/A	45
Business Internship	1	11,12	Concurrent enrollment in Business Course	45
Marketing I	1	9,10,11,12	N/A	45
Marketing II	1	10,11,12	Marketing I	46
Marketing III	1	11,12	Marketing I & II	46
Marketing Internship	1 or 2	12	Marketing and enrollment in Senior level Marketing Class	46
Retailing	1	10,11,12	Marketing I	46
PLTW Computer Science Essentials	1	9,10,11,12	N/A	47
PLTW Computer Science Principles	1	10,11,12	PLTW: Computer Science Essentials	47
PLTW Cybersecurity	1	10,11,12	PLTW: Computer Science Essentials	47
Video Production I	.5	9,10,11,12	N/A	48
Video Production II	1	10,11,12	Video Production I	48
Photojournalism	.5	9,10,11,12	N/A	48
Journalism I	.5	9,10,11,12	N/A	48

ON-CAMPUS COURSES				
Course	Credit	Grade	Pre-Requisites	Page
Newspaper	1	10,11,12	Journalism, Photojournalism, or recommendation	49
Yearbook	1	10,11,12	Journalism, Photojournalism, or recommendation	49
Career Development & Entrepreneurship	.5	9,10,11,12	N/A	49
Child Development I	.5	9,10,11,12	N/A	49
Child Development II	.5	9,10,11,12	Child Development I	49
Human Development	.5	9,10,11,12	N/A	50
Interior Design	.5	9,10,11,12	N/A	50
Event Planning & Travel I	1	10,11,12	N/A	50
Foods & Nutrition	.5	9,10,11,12	N/A	51
International Foods	.5	9,10,11,12	Foods and Nutrition	51
ProStart I	1	10,11,12	Foods and Nutrition	51
ProStart II	1	11, 12	ProStart I	52
Introduction to Engineering Design	1	9,10,11,12	Enrolled in Algebra I or above	52
Civil Engineering & Architecture	1	10,11,12	IED	52
Principles of Engineering	1	10,11,12	Enrolled in Geometry or above, IED	52
Computer Integrated Manufacturing	1	10,11,12	Enrolled in Geometry or above, IED	53
Digital Electronics	1	11,12	Enrolled in Geometry or above, IED, POE	53
Engineering Design & Development	1	12	3 Previous Engineering courses	53
Foundations of Technical Careers I	1	9, 10, 11	N/A	53
Physical Education				
Basic Physical Education	.5 or 1	9	N/A	55
Advanced Physical Education	.5	10,11,12	N/A	55
Social Dance	.5	9,10,11,12	N/A	55
Power Walking	.5	9,10,11,12	N/A	55
Intro to Strength Conditioning	.5	9,10,11,12	N/A	55
Men's or Women's Strength Conditioning	.5	9,10,11,12	Intro to Strength Conditioning	56
Fine Arts (must select one credit)				
Art Exploration	.5	9,10,11,12	N/A	57
Drawing & Painting I	.5	9,10,11,12	Art Exploration	57

ON-CAMPUS COURSES				
Course	Credit	Grade	Pre-Requisites	Page
Drawing & Painting II	.5	10,11,12	Art Exploration & Drawing & Painting I	57
Graphic Design	.5	10,11,12	Art Exploration & Drawing & Painting I	57
Ceramics & Sculpture I	.5	9,10,11,12	Art Exploration	58
Ceramics & Sculpture II	.5	10,11,12	Art Exploration & Ceramics & Sculpture I	58
*AP Studio Art**	1	12	Drawing & Painting I & II, Ceramics & SculpturesI & II & Graphic Design	58
Printmaking	.5	10,11,12	Art Exploration	58
Theater I	1	9,10,11,12	N/A	58
Theater II	1	10,11,12	Theater I	58
Pirate Performers	1	9,10,11,12	Audition Only	59
Stagecraft & Set Design I	1	10,11,12	Theater I	59
Stagecraft & Set Design II	1	11,12	Stagecraft & Design I	59
Band (Marching/Concert)	1	9,10,11,12	Middle School Band or consent of the Instructor	59
Jazz Ensemble	1	9,10,11,12	Audition Only	60
Flag Corps	.5	9,10,11,12	Audition Only	60
Women's Choir	1	9,10,11,12	N/A	60
Men's Choir	1	9,10,11,12	N/A	61
Freshman Honor Choir	1	9	Audition Only	61
Concert Choir	1	10,11,12	Audition Only	61
Sound Express	1	10,11,12	Audition Only	61
Music Appreciation	.5	9,10,11,12	N/A	61
Foundations of Music Theory	1	11,12	Completion of one year high school music performance class	61
Music Technology	1	9,10,11,12	N/A	62
Electives				
French I	1	9,10,11,12	Recommended B or better in English	63
French II	1	10,11,12	French I	63
*French III (FRE100: Elementary French FRE101: Elementary French II)**	1	11,12	Recommendation & B or better in French II	63
*French IV (FRE200: Intermediate French II & FRE201: Intermediate French II)**	1	11,12	Recommendation & enrollment in French III or completion of French III	63
Spanish I	1	9,10,11,12	Recommended B or better in English	64
Spanish II	1	10,11,12	Spanish I	64

ON-CAMPUS COURSES				
Course	Credit	Grade	Pre-Requisites	Page
Spanish III	1	11,12	Recommendation & Spanish II	64
Spanish IV	1	12	Recommendation & Spanish III	64
ACT PREP	.5	11,12	Algebra I & Geometry	65
Peer Helping	.5	11,12	2.5 GPA or better, 95% Attendance, signed A+ agreement	65
Mentor Leadership	.5	10,11,12	Application & Screening Process	65

OFF-CAMPUS PROGRAMS				
Course	Credit	Grade	Pre-Requisites	Page
Northland CAPS (Off-Campus) (Credits - 1 Practical Arts, 2 Elective) *Note: All programs require application and approval*				
Business Accelerator	3	11,12		65
Digital Media and Design	3	11,12		65
Global Business and Logistics	3	11,12		65
Medicine and Healthcare	3	11,12		65
Technology Solutions	3	11,12		65
Senior Associates	3	12		65
Northland Career Center (NCC) (Credits - 1 Practical Arts, 2 Elective, and ½ credit in both Math and English) *Note: All programs require application and approval*				
Agricultural Science Early College Program at MCC	3	11,12	Algebra I & Basic Science	66
Aviation Technology I	3	11,12	See Prerequisites	66
Aviation Technology II	3	12	Aviation Technology I	66
Construction Technology I	3	11,12	See Prerequisites	66
Construction Technology II	3	12	Construction Technology I	66
Culinary Arts I	3	11,12	See Prerequisites	66
Culinary Arts II	3	12	Culinary Arts I	66
Diesel Technology I	3	11,12	See Prerequisites	66
Diesel Technology II	3	12	Diesel Technology I	66
Health Sciences I	3	11,12	See Prerequisites	66
Heating, Cooling and Climate Control I	3	11,12	See Prerequisites	66

OFF-CAMPUS PROGRAMS				
Course	Credit	Grade	Pre-Requisites	Page
Heating, Cooling and Climate Control II	3	12	Heating, Cooling and Climate Control I	66
Industrial Welding I	3	11,12	See Prerequisite	66
Industrial Welding II	3	12	Industrial Welding I	66
IT Professionals I	3	11,12	See Prerequisites	66
IT Professionals II	3	12	Information Technology I	66
Law Enforcement/Crime Scene Investigation I	3	11,12	See Prerequisites	66
Law Enforcement/Crime Scene Investigation II	3	12	Law Enforcement/Crime Scene Investigation I	66
KC Tech Academy I	3	11,12	See Prerequisites	66
KC Tech Academy II	3	12	See Prerequisites	66
Teaching Professions I	3	11,12	See Prerequisites	66
Teaching Professions II	3	12	Teaching Professions I	66

Course Information Legend

COURSE INFORMATION LEGEND			
Weighted	Available Online	Off Campus Program	Potential to Earn College Credit

Course Descriptions

HEALTH

Graduation Requirement: ½ Unit

Course Title: Health

Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Health
Course Overview: This course is an instructional program that helps the individual to understand the definition of a healthy lifestyle. Emphasis is placed on learning high-risk factors and how to avoid them, good physical and mental habits, and methods of disease prevention.

PERSONAL FINANCE

Graduation Requirement: ½ Unit

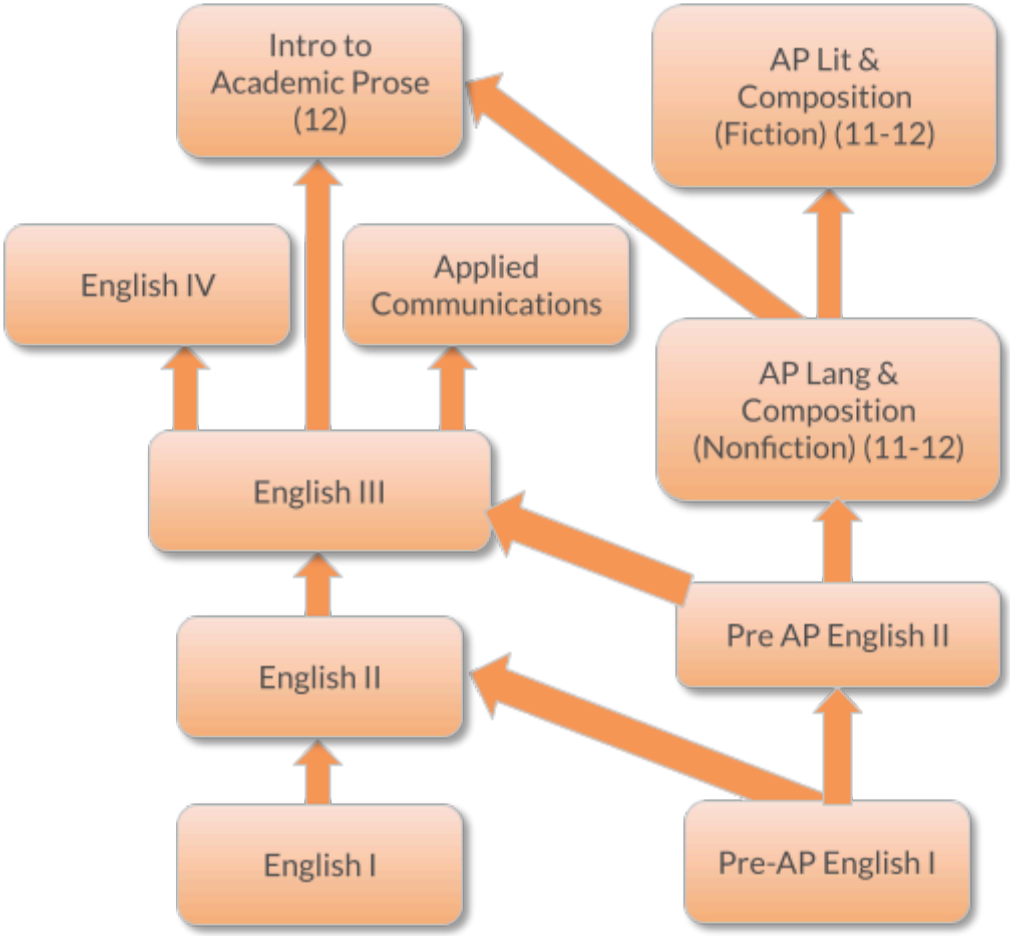
Course Title: Personal Finance

Prerequisite: None
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Personal Finance
Course Overview: This course will prepare the student to make smart financial decisions. Students will explore topics related to personal budgeting, banking, consumer credit, personal buying, decision making, and preparation of income taxes. Emphasis is placed on developing decision-making skills for real-life situations.

ENGLISH LANGUAGE ARTS

Graduation Requirement: 4 Units

All students must take the ELA 2 EOC prior to completing high school. Below are *recommended* pathways to meet graduation requirements.



Course Title: READ 180
Prerequisite: Recommendation/Test Scores
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of English and 1 unit of Elective
Course Overview: This course builds reading comprehension, vocabulary, and writing skills. The course incorporates the latest technology and research in student literacy. Students learn and practice effective reading and writing skills and improve study skills. By the end of the course, students will be able to implement successful reading strategies in all courses.

Course Title: ENGLISH I
Prerequisite: None
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of English
Course Overview: Freshmen-level course. In the course, students will analyze texts through analytical reading, writing, and Socratic discussion. Focus on personal voice development, cultural and social synthesis, and academic analysis skills. Analysis skills will include thoughtful claim development, types of sufficient evidence, examination of fiction and non-fiction of various genres.

Course Title: PRE-AP ENGLISH I

Prerequisite: None
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of English
Course Overview: Pre-AP English I focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' future to future high school and college coursework. Texts take center stage, preparing students for close, critical reading and analytical writing. The course trains readers to observe small details in a text to arrive at a deeper understanding of the whole. It also trains writers to create complex sentences—building this foundational skill en route to sophisticated, longer-form analyses.

Course Title: PRE-AP ENGLISH II

Prerequisite: English I or Pre-Ap I
Grade Level: 10
Course Length: 1 year
Unit(s) of Credit: 1 Unit of English
Course Overview: Pre-AP English II builds on the foundations of Pre-AP English I. As readers, students become aware of how poets, playwrights, novelists, and writers of nonfiction manipulate language to serve their purposes. As writers, students compose more nuanced analytical essays while never losing sight of craft and cohesion.

Course Title: ENGLISH LANGUAGE ARTS II
Prerequisite: English Language Arts I or Pre-Ap I
Grade Level: 10
Course Length: 1 year
Unit(s) of Credit: 1 unit of English
Course Overview: Students will read short stories, novels, plays, poetry, and nonfiction as well as write in a variety of formats. Students will explore the purposes of different genres in literature, and use that knowledge to enhance their own writing. Students will continue to develop their voice, both in speaking and writing, and will focus on supporting their stance with sufficient evidence. This course will require students to participate in studying whole-class texts as well as self-selected texts and topics.

Course Title: ENGLISH LANGUAGE ARTS III
Prerequisite: English Language Arts II or Pre-AP English II

Grade Level: 11
Course Length: 1 year
Unit(s) of Credit: 1 unit of English
Course Overview: This course emphasizes improving analysis, presentation, collaboration, and writing skills through a variety of assignments and activities. Students will explore the impact of voice and advocacy through reading, writing, and researching while connecting curriculum to real world issues and their own authentic experiences. A research project and presentations are required.

Course Title: ENGLISH LANGUAGE ARTS IV
Prerequisite: English Language Arts III or AP English Class
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English
Course Overview: English IV is an appropriate course for students entering a two-year or four-year college, as well as students immediately entering the workforce or military upon graduation. In this course, students will read a variety of texts from literary to informational, individually and in groups, to practice skills including synthesis and analysis, to evaluate differing perspectives, and to expose themselves to new perspectives.

Course Title: AP ENGLISH LANGUAGE AND COMPOSITION

Prerequisite: English Language Arts II or Pre- AP English II
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English
Course Overview: This course will engage the student in becoming a skilled reader of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming a skilled writer who composes for argument, analysis, and synthesis. Through their writing and reading, students become aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. This course will prepare the student to take the AP English Language and Composition test to earn hours of college credit. A summer assignment will be required for this class.

Course Title: AP ENGLISH LITERATURE AND COMPOSITION

Prerequisite: English Language Arts II or Pre-AP English II
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English
Course Overview: This course will engage the student in the careful reading and critical analysis of imaginative literature. Through selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. This course will prepare the student to take the AP English Literature and Composition test to earn hours of college credit. A summer assignment will be required for this class.

Course Title: INTRODUCTION TO ACADEMIC PROSE ⚖️

Prerequisite: English III, or AP English, and a 3.0 unweighted GPA or ACT composite score of 21
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English & 3 college hours (English 110 & English 214)
Course Overview: This course introduces students to college-level reading, writing, and rhetorical analysis. Students will analyze and create texts, focusing on threshold concepts of writing, multiple rhetorical situations, and cultural matters related to writing. Students will also learn to analyze, revise and edit their own work, and use academic documentation.

Course Title: APPLIED COMMUNICATIONS
Prerequisite: 3 English Credits
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English
Course Overview: This class will focus on various English skills directly related to future goals and careers. The purpose is to help prepare students for future educational and career endeavors by enhancing current abilities. Students will work cooperatively in groups on project-based learning assignments, as well as completing individual tasks. This course will further develop the reading, writing, listening, and speaking skills of each student, and is geared towards students planning to go directly to the workforce, the military, a trade school, or to a community college.

Course Title: PUBLIC SPEAKING ⚖️

Prerequisite: None
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of English
Course Overview: This course will provide an overview of the skills used in interpersonal, group, and public communications. Students will participate in small group discussions, conduct audience analysis, and present informative and persuasive speeches. Coursework is similar to Fundamentals of Public Speaking, a required post-secondary course for most programs and technical schools.

Course Title: DEBATE I
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective
*Course Overview:*This course is designed to teach the skills necessary for competitive speech and debate. Coursework includes the study of the various types of public address, interpretative, and debate events, including presentations, the completion of written assignments such as simple case formats, speeches, and participation in practice and competitive speaking on a novice level. Students accumulate points for membership in the National Speech and Debate Association. Participation as a competitor in a minimum of three interscholastic debate and forensic tournaments during the year is required. This commitment includes practice in addition to classroom

hours and weekend travel with the Talking Pirates Speech and Debate Team.

Course Title: ADVANCED DEBATE
Prerequisite: Debate I
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English
Course Overview: This course is designed to enhance the skills necessary for competitive speech and debate. Coursework includes the completion of written assignments such as case formats and speeches, presentations, and participation in practice and competitive speaking on an interscholastic level. Students accumulate points for membership in the National Speech and Debate Association. Participation as a competitor in a minimum of four interscholastic debate and forensic tournaments during the year is required. This commitment includes practice in addition to classroom hours and weekend travel with the Talking Pirates Speech and Debate Team.

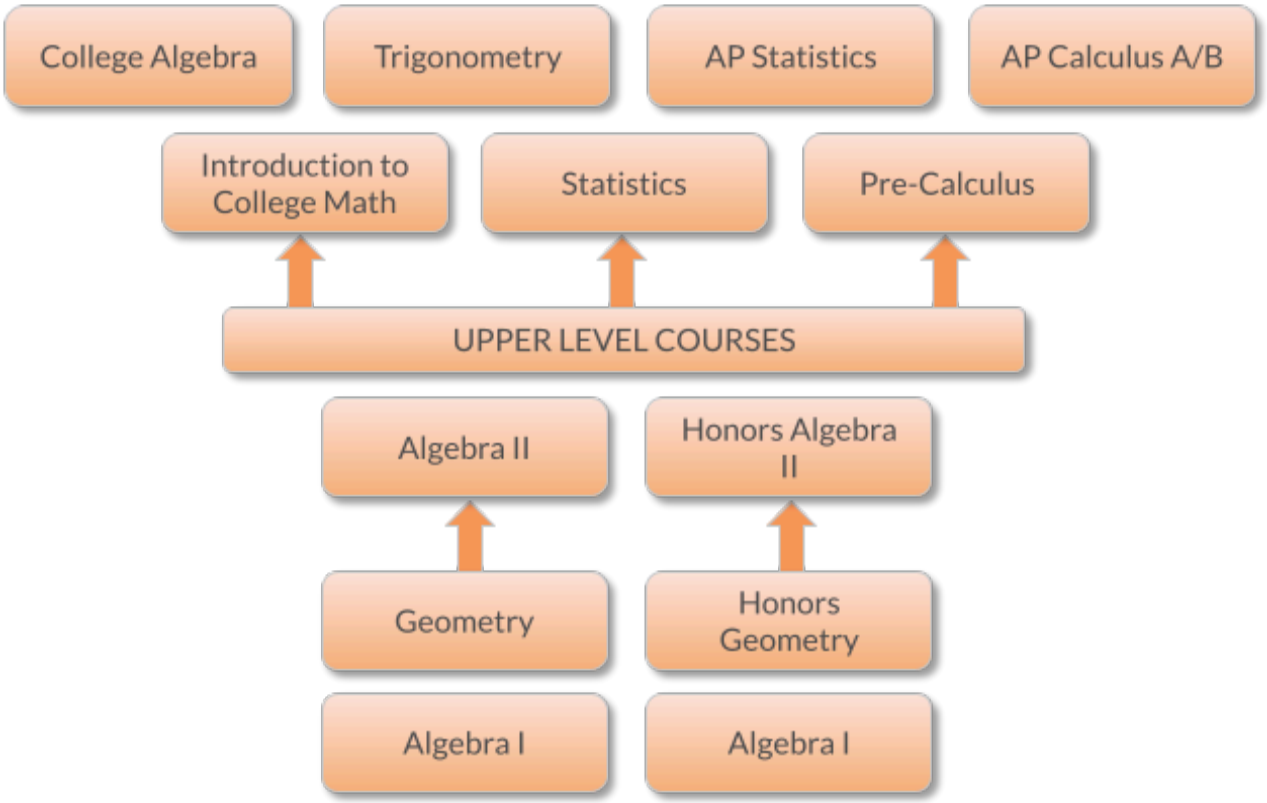
Course Title: CREATIVE WRITING
Prerequisite: None; can be taken in conjunction with, but not in place of English II
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of English
Course Overview: The student will analyze works of fiction, nonfiction, and poetry in order to learn the style of different genres. Using a variety of free writing and alternative techniques, the student will create various compositions in order to develop voice, style, and a strong writing ability.

Course Title: MYTHOLOGY
Prerequisite: None; can be taken in conjunction with, but not in place of English II
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of English
Course Overview: This course focuses on myth and legend from diverse cultures and across time. Students will be asked to think deeply and express themselves articulately. Reading, vocabulary enrichment, composition, and discussion will be emphasized.

MATH

Graduation Requirement: 3 Units
College Prep: 4 Units

All students must take the Algebra EOC prior to completing high school. Below are recommended pathways to meet graduation requirements.



Course Title: PRE-ALGEBRA
Prerequisite: None
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This course is designed to raise mathematics achievement and make mathematics meaningful and relevant to every student. The course emphasizes understanding and representing mathematics verbally, symbolically, graphically, and numerically, rather than just finding solutions.

Course Title: ALGEBRA I
Prerequisite: None
Grade Level: 9-10
Course Length: 1 year

Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This class is designed to cover the first course in Algebra, including all operations with real numbers, all operations with polynomials, solving linear and quadratic equations and systems of equations. The course will apply problem solving to practical situations. The student will have the requisite skills essential for the study of higher mathematics.

Course Title: GEOMETRY
Prerequisite: Algebra I
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This class involves the integration of logical reasoning and spatial visualization skills. The course includes a study of lines, triangles, quadrilaterals, circles, and an introduction to trigonometry as well as applying skills learned in Algebra I in a geometric setting. This course can be taken concurrently with Algebra II or Honors Algebra II with teacher referral.

Course Title: HONORS GEOMETRY

Prerequisite: Algebra I
Grade Level: 9-10
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This class is designed to rigorously cover Geometry. There is heavy emphasis on problem solving and utilizing complex thinking skills. This course is recommended for the student who has a strong foundation in mathematics, is college bound, and is willing to put forth effort for their education. This course can be taken concurrently with Algebra II or Honors Algebra II with teacher referral.

Course Title: ALGEBRA II
Prerequisite: Geometry or Honors Geometry
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This course involves the study of a variety of functions (linear, quadratic, polynomial, and rational) to learn to graph, compare and manipulate the functions in order to solve problems. Properties and applications of exponents and exponential functions will also be studied. Students develop problem solving skills, logical reasoning and mathematical communication skills required for success in higher math courses. This course can be taken concurrently with Geometry or Honors Geometry with teacher referral.

Course Title: HONORS ALGEBRA II

Prerequisite: Geometry or Honors Geometry
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This course accelerates the curriculum pace to allow the student to get a more in-depth study of

a variety of functions (linear, quadratic, polynomial, and rational) to learn to graph, compare and manipulate those functions in order to solve problems. Properties and applications of exponents and exponential functions will also be studied. Students develop rigorous problem solving skills, logical reasoning and mathematical communication skills required for success in higher math courses. This course can be taken concurrently with Geometry or Honors Geometry with teacher referral.

Course Title: TRIGONOMETRY
Prerequisite: Completion of Algebra II (B or better)
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Mathematics
Course Overview: This course covers all aspects of triangle and circle trigonometry and graphing theory.

Course Title: PRE-CALCULUS (MATH 120: PRE-CALCULUS) ⚖️ 🧾
Prerequisite: Completion of 3 units of high school mathematics (Algebra I or higher)
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics and/or 5 college hours with UMKC
Course Overview: This course is a review of elementary algebra, solutions of equations, functions, exponential and logarithmic functions, inequalities, systems of linear equations, equations of second degree and their graphs, binomial theorem, complex numbers and polynomials. To enroll in dual credit through UMKC, you must have an unweighted GPA of 3.0 or a 21 ACT Composite score or a 24 ACT score on the Mathematics portion.

Course Title: INTRODUCTION TO COLLEGE MATHEMATICS
Prerequisite: Algebra II
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: Intro to College Math is a mathematics course that follows Algebra I, Geometry, and Algebra II. The curriculum emphasizes mathematical applications, and it prepares students to use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems. This course includes the mathematics that is essential for all students to be college ready.

Course Title: STATISTICS
Prerequisite: Algebra II
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This course in statistics will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. This course introduces many of the major topics covered in a college statistics course. These topics include summarizing data and representing data graphically in various ways, exploring random phenomena and probability, and using statistical inference to estimate population parameters and test hypotheses.

Course Title: AP STATISTICS

Prerequisites: Algebra II
Grade Level: 10-12
Course Length: 1 year
Units of Credit: 1 unit of Mathematics
Course Overview: This course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns, Sampling and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, and Statistical Inference: Estimating population parameters and testing hypothesis Students who successfully complete the course and examination may receive credit and/or advanced placement for a one semester introductory college statistics course. Statistics has applications in almost every field, so this class is designed for any motivated, college-bound student, no matter their future course of study. To enroll in dual credit through UMKC, you must have an unweighted GPA of 3.0 or a 21 ACT Composite score.

Course Title: COLLEGE ALGEBRA (MATH 110: COLLEGE ALGEBRA)

Prerequisite: Completion of Algebra II (B or better)
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Mathematics/ 3 credits through UMKC
Course Overview: This course covers an in-depth study of the structure of the real number system, computational skills, equation solving, and functional analysis including polynomial, rational, algebraic, exponential, and logarithmic functions. Graphing, systems of equations, and matrices will also be covered. This course is intended for students who are not planning on majoring in a math or science field and who are looking to use this class to meet their college math requirement. This course is not for students who have successfully completed Pre-Calculus. To enroll in dual credit through UMKC, you must have an unweighted GPA of 3.0 or a 21 ACT Composite score or a 22 ACT score on the Mathematics portion.

Course Title: AP CALCULUS AB (MATH 210: CALCULUS I)

Prerequisite: Successful completion of Pre-Calculus (C or better)
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics / 4 credits through UMKC
Course Overview: The content of AP Calculus corresponds to the content of a first year college calculus course with limit theory, differentiation, and integration as its major themes. The course also follows the model of the Advanced Placement (AP) Calculus AB course. AP Calculus AB is designed for the serious and motivated college bound student planning to major in math, science or engineering. This course prepares students to take the AB test. It consists of an intense treatment of topics in Calculus with heavy emphasis on their theoretical basis. These topics included limits, differentiation, and integration, application of differentiation and integration, and logarithmic, exponential, and other transcendental functions. Graphing calculators are required. To enroll in dual credit through UMKC, you must have an unweighted GPA of 3.0 or a 21 ACT Composite score.

Course Title: AP CALCULUS BC ⚖️ 🧾

Prerequisite: AP Calculus AB
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: AP Calculus BC is designed to be the equivalent to both first (with AP Calculus AB) and second semester college calculus courses. AP Calculus BC applies the content and skills learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; develops additional integration techniques and applications; and introduces the topics of sequences and series. To enroll in dual credit through UMKC, you must have an unweighted GPA of 3.0 or a 21 ACT Composite score.

SCIENCE

Graduation Requirement: 3 Units
College Prep: 4 Units

All students must take the Biology EOC prior to completing high school. Every student must take Biology or Pre-AP Biology.

Course Title: PHYSICAL SCIENCE
Prerequisite: None (cannot be taken after receiving credit in Chem 1 or Physics)
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: Physical Science is an introduction to all physical sciences, including the study of the nature of matter and energy and how they are related, as well as the study of the composition, structure, and properties of substances and the changes they undergo. This course will explore some basic physics and some basic chemistry. Emphasis will be placed on relating the study of physical science to the world.

Course Title: BIOLOGY
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: Biology is an integrated life science course that covers the nature of life, biochemistry, cell structure and function, cellular metabolism, cell cycle, genetics, evolution, and ecology. Biology prepares students for the Missouri End of Course Exam. Biology requires practice and preparation outside of class to master its extensive vocabulary.

Course Title: PRE-AP BIOLOGY ⚖️
Prerequisite: College ready score on Reading and/or Science of the Explore test recommended (cannot be taken after receiving credit in Biology)
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: Pre-AP Biology is an integrated course in life science. This course uses a college level textbook. Strong non-fiction reading skills are essential for success as students will be required to complete guided reading assignments outside of class. Pre-AP Biology covers Biology content (nature of life, biochemistry, cell structure and function, cellular metabolism, cell cycle, genetics, evolution, and ecology) at a deeper and more detailed level to prepare students for success in AP Biology. Students are expected to complete multi-step labs, analyze data, and write conclusions working independently and in groups. This course should be considered by the student who is a strong reader and writer, is college bound, and is willing to put forth extra effort outside of class. Pre-AP Biology prepares students for the Missouri End of Course Exam.

Course Title: CHEMISTRY I
Prerequisite: Algebra I with Grade of "C" (recommend "A" better if Algebra is the only Math Class you have completed) or Geometry with "C" or better
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: This is a general-level chemistry course designed for students who wish to pursue a science or science-related career, or plan to attend college or technical school. Chemistry is an introduction to the physical science which covers the composition, structure, and properties of substances and the changes they undergo. This course will explore qualitative chemistry (descriptions of what is observed), quantitative chemistry (measuring the object, material, or process), and organic chemistry (carbon compounds).

Course Title: Dual Enrollment Chemistry (CHE111: GENERAL CHEMISTRY)
Prerequisite: Chemistry I, (C or better), 22 on the Math ACT, and a 3.0 GPA
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science and 5 college hours
Course Overview: A dual enrollment course offered through Missouri Western, this course is a rigorous freshman-level college class designed for students with a solid chemistry background. Specific topics and objectives are set by Missouri Western. Considerable laboratory work and problem-solving skills are emphasized. This course should be considered by the college-bound student. For the science major, this will provide a head start toward your program. For the non-science major, this will fulfill one of two science courses required by most universities.

Course Title: EARTH SCIENCE
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: Earth Science is the study of the earth and the universe around it. Students will learn about geology, oceanography, meteorology, and astronomy with an emphasis on the importance of Earth Science to their everyday lives. Other topics to be covered will include geophysics, seismology, climatology, and cartography.

Course Title: ENVIRONMENTAL BIOLOGY
Prerequisite: Biology
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: This course introduces environmental processes and the influence of human activities upon them. Topics include environmental sustainability, ecology and evolution, population growth, natural resources, and a focus on current environmental problems from scientific, social, political, and economic perspectives. Upon completion, students should be able to demonstrate an understanding of environmental interrelationships and of contemporary environmental issues.

Course Title: AP ENVIRONMENTAL SCIENCE

Prerequisite: Completion of Biology (or PreAP Bio) & Chemistry 1 (C or better)
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: This introductory course surveys the processes that shape our planet. Topics include: plate tectonics and mountain-building, rivers and oceans, atmospheric circulation, weather and climate, and the amazingly complex relationships between life on Earth and the physical environment.The goal of the Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study.

Course Title: AP BIOLOGY

Prerequisite: Path 1: Pre AP Biology & Chemistry 1 (B or better). Path 2: Biology & Chemistry 1 & Anatomy and Physiology (B or better) Biology EOC score of at least proficient
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: This course follows a rigorous and demanding curriculum set forth by the College Board and is comparable to a two semester lab course taken by most beginning Biology majors in college. Students will cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes-energy and communication, genetics, information transfer, ecology, and interactions. Content will be covered in more depth and greater expectations will be placed on interpretation, scientific thinking, and analysis of information than was previously taught in biology courses. In addition, statistical analysis of data and modeling of concepts will be expected. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time. Summer assignments are required.

Course Title: ANATOMY & PHYSIOLOGY
Prerequisite: Completion of Biology (or PreAP Biology) & Chemistry 1 (C or better)
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: This course is designed for the college-bound student interested in the medical field. Students should expect a demanding daily practice load as well as projects, quizzes, and tests. A high level of understanding in problem solving and in scientific methods is necessary for success in this course. This course is designed to provide students with an understanding of the function and regulation of the human body and physiological integration of the organ systems to maintain homeostasis. Course content will include neural and hormonal homeostatic control mechanisms, a study of the structure and function of the human body including cells, tissues, and organs of the following systems: integumentary, skeletal, muscular, cardiovascular, nervous, and digestive

systems.

Course Title: PHYSICS
Prerequisite: Completion of Algebra I & Geometry (C or better is recommended)
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: AP Physics is an Algebra-based Physics course designed to cover the content of a 1st semester College Physics course. Topics include kinematics, forces/dynamics, energy and momentum, rotational motion, simple harmonic motion, and will newly include fluids. While a math-heavy course, the focus is on conceptual application as well as qualitative and quantitative reasoning. This course is recommended for students who have excelled in both math and science, and are college bound.

Course Title: AP PHYSICS

Prerequisite: Completion of Geometry (grade of C or better is recommended) Chemistry is HIGHLY recommended, Algebra II or Pre-Calculus (Cannot be taken after receiving credit in Physics)
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: AP Physics is an Algebra-based Physics course designed to cover the content of a 1st semester College Physics course. Topics include kinematics, forces/dynamics, energy and momentum, rotational motion, simple harmonic motion, and will newly include fluids. While a math-heavy course, the focus is on conceptual application as well as qualitative and quantitative reasoning. This course is recommended for students who have excelled in both math and science, and are college bound. Physics is a course that has been shown to raise ACT scores. So, college bound students should strongly consider this course your junior year! Engineering students will find frequent overlap and connection to many of the things you have learned in your POE courses.

Course Title: PRINCIPLES OF BIOMEDICAL SCIENCE (PROJECT LEAD THE WAY CURRICULUM)
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Course Title: HUMAN BODY SYSTEMS (PROJECT LEAD THE WAY CURRICULUM)
Prerequisite: Biomedical Science
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: Students examine the interactions of body systems as they explore identity, communication,

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

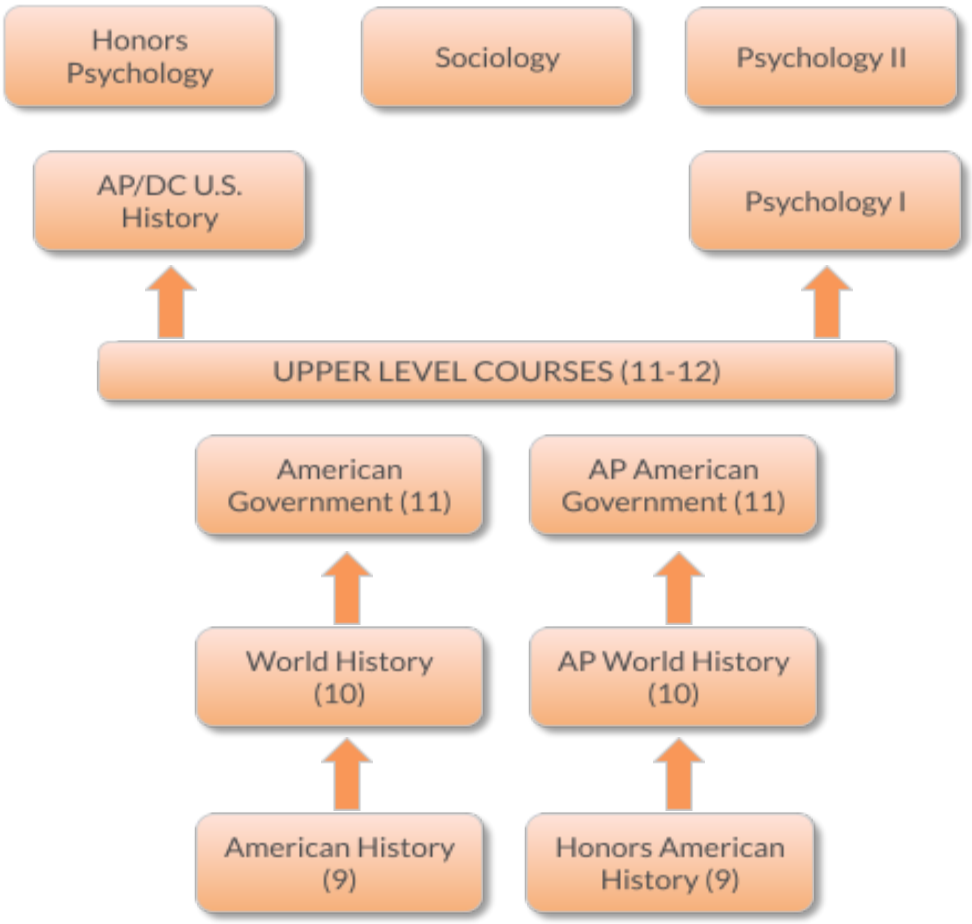
Course Title: MEDICAL INTERVENTIONS (PROJECT LEAD THE WAY CURRICULUM)
Prerequisite: Principles of Biomedical Science & Human Body Systems
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1
Course Overview: In the third year of the PLTW Biomedical Science strand, students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, cancer, surgery, genetics, pharmacology, medical devices, and diagnostics. Students can expect a rigorous course with many hands-on laboratory events, research projects, and oral presentations.

Course Title: BIOMEDICAL INNOVATIONS (PROJECT LEAD THE WAY CURRICULUM)
Prerequisites: Principles of Biomedical Science, Human Body Systems, Medical Interventions
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of science
Course Overview: In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution.

SOCIAL STUDIES

Graduation Requirement: 3 Units
College Prep: 4 Units

American History, World History and American Government are required courses. All students must take and pass the Government EOC (United States Constitution Exam and Missouri Constitution Exam) prior to completing high school.



Course Title: AMERICAN HISTORY
Prerequisite: None
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies
Course Overview: This course begins with the Reconstruction Era and ends with the United States in today's world. An overview of the following major topics will be investigated: industrialization and growth of the United States, imperialism, the Progressive Movement, isolationism, World War I, the Great Depression, the New Deal, causes of World War II, the Cold War, the Civil Rights Movement, Vietnam, the 1960's, 1970's, 1980's, 1990's, and the issues of today. Primary and secondary resources, as well as other tools of Social Studies inquiry will be used throughout the course.

Course Title: HONORS AMERICAN HISTORY

Prerequisite: None
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies
Course Overview: This course begins with the Reconstruction Era and ends with the United States in today's world. An overview of the following major topics will be investigated: industrialization and growth of the United States, imperialism, the Progressive Movement, isolationism, World War I, the Great Depression, the New Deal, causes of World War II, the Cold War, the Civil Rights Movement, Vietnam, the 1960's, 1970's, 1980's, 1990's, and the issues of today. Primary and secondary resources, as well as other tools of Social Studies inquiry will be used throughout the course. This course should be considered by the student who is a strong reader, is probably college bound, and is willing to put forth extra effort for their education.

Course Title: WORLD HISTORY
Prerequisite: None
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies
Course Overview: This course is a study of modern world history, including a brief review of the ancient and medieval periods, foundation of world religions and beliefs, exploration, intellectual revolutions, political revolutions, industrial revolution, nationalism/imperialism through the world wars, Cold War, the quest of countries seeking independence and changes in current global patterns. The course will focus on the development of the world community and help students develop critical thinking skills, objective decision-making skills and a global perspective.

Course Title: AP WORLD HISTORY

Prerequisite: None
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies
Course Overview: The purpose of this course is to develop greater understanding of global historical processes and

contrasts viewed against the interaction of different types of human societies. The course highlights the changes in the international framework, causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge used in conjunction with leading interpretive issues, types of historical evidence, and appropriate analytical skills. This course should be considered by the student who is a strong reader, is probably college bound and is willing to put forth extra effort for their education.

Course Title: AMERICAN GOVERNMENT
Prerequisite: None
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies
Course Overview: This course examines the historical foundation and philosophy of governmental systems, constitutional principles, rights and responsibilities of citizenship, institutions of America and state government, the political process, economic concepts and geographical concepts. The Constitution examination(s) and the course must be passed as required by Section 170.011 RSMo in order for a student to graduate. The state required Civics test, in addition to the End of Course exam will be taken in the class.

Course Title: AP U.S. GOVERNMENT

Prerequisite: None
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies
Course Overview: AP U.S. Government and Politics is a college-level year-long course that not only seeks to prepare students for success on the AP Exam in May, but also provides students with the political knowledge and reasoning processes to participate meaningfully and thoughtfully in discussions that are currently shaping American politics and society. It is important to note that this course is not a history course; it is a political science course that studies the interconnectedness of the different parts of the American political system and the behaviors and attitudes that shape this system and are the byproduct of this system. AP U.S. Government and Politics accomplishes these goals by framing the acquisition of political knowledge around enduring understandings and big ideas about American government and politics that can be applied to a set of disciplinary practices through the use of a set of reasoning processes. By the end of the course, students will be able to analyze current and historical political events like a political scientist and develop factually accurate, well-reasoned, thoughtful arguments and opinions that acknowledge and grapple with alternative political perspectives.

Course Title: AP UNITED STATES HISTORY

(HIS140: AMERICAN HISTORY TO 1865 & HIS150: AMERICAN HISTORY SINCE 1865)
Prerequisite: American History & World History
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies and 3 college hours if taken as Dual Credit
Course Overview: The AP U.S. History course is designed to provide students with the analytical skills and factual

knowledge necessary to deal with the problems and material in U.S. History. Students should learn to assess historical materials-their relevance to a given interpretive problem, reliability and importance-and to weigh the evidence and interpretation present in historical scholarship. An AP U.S. History course should thus develop the skills necessary to arrive at conclusions on the basis of informed judgment and to present reasoned and evidence clearly and persuasively in essay format. This course should be considered by the student who is a strong reader, is probably college bound and is willing to put forth extra effort for their education.

Course Title: PSYCHOLOGY I
Prerequisite: American History & Biology
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Social Studies
Course Overview: Students will receive an overview of psychology to include research and methods, life span, structure and function of the brain, altered states of consciousness, sensation and perception, memory, and thought.

Course Title: PSYCHOLOGY II
Prerequisite: Psychology I
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Social Studies
Course Overview: Students will continue the study of psychology. Topics include: learning principles, motivation and emotion, psychological testing, personality theories, psychological disorders and therapy.

Course Title: SOCIOLOGY
Prerequisite: None
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ units of Social Studies
Course Overview: Sociology explores the ways people interact with one another, relationships within groups, social institutions, organization of society, and uses of scientific procedures to improve the human condition.

PRACTICAL ARTS

Graduation Requirement: 1 Unit

Course Title: COMPUTER APPLICATIONS
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: This is a semester course that offers advanced-level training for students in Microsoft Word, Excel, PowerPoint, Publisher, and Google Applications. Students will learn valuable skills in Microsoft Office they will be able to use in their future; personal use, school/college and the workplace. Students will create their own restaurant concept and design materials for their business using the skills they have learned. In addition, students will learn how to properly search the Internet by advancing their skills at creating search queries.

Course Title: BUSINESS TECHNOLOGY I (online only)
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester (online only)
Units of Credit: ½ unit of Practical Arts
Course Overview: This course allows students to develop the skills needed to communicate quickly and easily through business documents. Students will analyze their work using the full capabilities of software that is appropriate for a business setting. Both courses are designed to help students develop the qualities, knowledge, and skills necessary for working in a business. Students enhance computer application skills as they develop competencies needed by administrative support professionals. The content includes the use of technology to develop communication skills, the performance of office procedures and tasks, the production of quality work using advanced features of business software applications, and the production of high quality employment portfolios and job-seeking documents. This course also provides training or skills many employers find deficient in dealing with other people, using the telephone, organizing work, and handling other crucial tasks. In addition, the following career related learning standards will be met: problem solving, communication, and teamwork, employment foundations, and career development.

Course Title: BUSINESS TECHNOLOGY II (online only)
Prerequisite: Business Technology I
Grade Level: 9-12
Course Length: 1 semester (online only)
Units of Credit: ½ unit of Practical Arts
Course Overview: This course allows students to develop the skills needed to communicate quickly and easily through business documents. Students will analyze their work using the full capabilities of software that is appropriate for a business setting. Both courses are designed to help students develop the qualities, knowledge, and skills necessary for working in a business. Students enhance computer application skills as they develop competencies needed by administrative support professionals. The content includes the use of technology to develop communication skills, the performance of office procedures and tasks, the production of quality work using advanced features of business software applications, and the production of high quality employment portfolios and job-seeking documents. This course also provides training or skills many employers find deficient in dealing with other people, using the telephone, organizing work, and handling other crucial tasks. In addition, the

following career related learning standards will be met: problem solving, communication, and teamwork, employment foundations, and career development.

Course Title: GRAPHIC ARTS/DESKTOP PUBLISHING
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: This is a one-semester course that combines the versatility of the computer with graphic design software including Microsoft Publisher, Adobe Photoshop, InDesign, and Illustrator. Students will develop proficiency in using graphic arts/desktop publishing software to create flyers, brochures, newsletters, magazines, multimedia presentations, and more. The course includes page composition, layout, design, typography, editing functions, and a variety of printing options. This area of instruction provides content for employment in career areas which include graphic arts/desktop publishing skills. In addition, students are given concepts and skills they can take with them into any professional environment.

Course Title: WEB DESIGN
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: This course combines artistic, creative vision with technical knowledge to produce informative, appealing, and easy to use web sites. This class is an activity-oriented course in which students will explore strategies to effectively communicate using the Internet. Students will learn about site layout and content and will become proficient using web development languages and graphical user interface tools to achieve their design objectives.

Course Title: ADVERTISING & MULTIMEDIA
Prerequisite: None
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 Practical Arts
Course Overview: The mission of Platte County High School Business classes are to focus on developing responsible business leaders and citizens. This course serves as the Capstone for the Platte County "High School of Business & Technology" courses. The purpose of this course is to integrate all prior learning in business and technology courses, related coursework, and workplace experiences. In addition, students will have the opportunity to gain real-world experience in the business world. Students will learn basic principles of Advertising and Multimedia and their role in media and society. Throughout this year-long course students will be exposed to the advertising and multimedia environment in the 21st Century, agency and client relationships, consumer behavior, ethics, information technology, and the role of research, creative appeals, and media selection in advertising effectiveness. Students will critically examine the impact of advertising and multimedia on society and culture through the planning and creation of advertising campaigns for the school district and community which will include planning, measurement, evaluation, and reporting of results. Students will gain practical experience in advertising in a professional setting.

Course Title: SPORTS MARKETING & ENTERTAINMENT
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 Practical Arts
Course Overview: Sports Marketing & Entertainment is a specialized and practical application course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Students will engage in real-world applications of sports marketing including career studies, partnering with coaches and athletic directors, creation,organization, and implementation of gameday promotions and sponsorship sale recruitment and fulfillment for every sport. Students will be expected to participate in activities requiring additional time outside of class before, during, and after school. The areas this course will also cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implantation of sports marketing plans. Students will also develop skills in the areas of facility design, merchandising, advertising, public relations/publicity, ticket distribution, and career opportunities as they relate to the sports and entertainment industry. Students will have the opportunity to gain real-world experience in Sports Marketing & Entertainment by operating the PCHS Athletics Website (plattecountypirates.com). Students will take on leadership roles, practice selling strategies by selling sponsorships, and learn about the business and sports management industries in addition to keeping the community informed about sports scores, PCHS athletic achievements, coaches, team rosters, and more.

Course Title: ACCOUNTING
Prerequisite: None
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: This course covers basic accounting principles and procedures including the handling of daily recording and financial activities of a proprietorship, partnership, or corporation. Students will exit with skills of a beginning bookkeeper or preparation for further study in accounting.

Course Title: BUSINESS & PERSONAL LAW
Prerequisite: None
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: This one-semester course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content includes criminal law/torts, family law (marriage, divorce), employer-employee relations, forms of business and careers in law

Course Title: ECONOMICS
Prerequisite: None
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: This one-semester course will prepare students to master the fundamental economic concepts,

appreciate how the principal concepts of economics relate to each other and understand the structure of economic systems. The content will cover economic concepts such as supply, demand, opportunity costs, trade-offs, economic systems, business organizations, labor and wages, money and banking, gross domestic product, economic challenges, the stock market, government and the economy, and the global economy. Students will leave this course with the ability to make reasoned decisions on economic issues as citizens, consumers, and entrepreneurs.

Course Title: ENTREPRENEURSHIP (Common Grounds Coffee Shop)
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: In this year-long course, students will be learning the fundamentals of owning and operating a business. In the first semester of the course, students will examine the characteristics and skills possessed by successful entrepreneurs. Students will study the importance of our economic system and the basic principles for creating a small business, such as organization, management, human relations, location, layout, financing, pricing, and marketing. Students will also examine the parts of a business plan. In the second semester of the course, students will apply the principles they have obtained in the first semester to an actual class business. Students will form teams for each department in a business (marketing, production, finance, and human resources). Interviews for positions on teams will be conducted by the instructor and a local business person/s (business consultant). Together, the departments will issue stock, open a bank account, conduct market research, design and sell a product, maintain financial records, and form and liquidate a corporation. Throughout this process, students will work hand in hand with a business consultant from the community, who will provide advice and assistance in the management of the business (a local bank). Students will also create a business plan for their business. Profit made by course would be divided among student shareholders, a charity of the class' choice, and a scholarship for students who take the course.

Course Title: BUSINESS INTERNSHIP 🚗
Prerequisite: Concurrent enrollment in a related business course and teacher approval
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: Students in the Business Internship course will experience workplace learning, which is an extension of the business education classroom. This course is designed for students enrolled in an approved business course. This program allows students to get on-the-job experience that gives students the opportunity to master academic and workplace skills. Students will make real-world connections while developing skills that include interpersonal skills, decision making, problem solving, critical thinking, collaboration, communication, and teamwork.

Course Title: MARKETING I
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: Marketing I is the first year course in the marketing program where students will learn basic marketing concepts, the role of marketing in our economy, and marketing functions. Students will then apply the marketing concepts as they create their own Marketing Plan and then collaborate with their peers to develop a full Integrated Marketing Campaign. All students enrolled in a marketing education class are required to join the co-curricular organization DECA, an Association of Marketing Students. Dues are $30 and include membership on the local, state, and national levels and a chapter t-shirt. Students are also strongly encouraged to participate in all DECA activities as well as the DECA Competitive Events Program.

Course Title: MARKETING II
Prerequisite: Marketing I
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: Marketing II is the second year course in the marketing program where students will apply the concepts learned in Marketing I to research, write, & present a project related to a specific marketing topic of their choice and approved by the instructor. All students enrolled in a marketing education class are required to join the co-curricular organization DECA, an Association of Marketing Students. Dues are $30 and include membership on the local, state, and national levels and a chapter t-shirt. Students are also strongly encouraged to participate in all DECA activities as well as the DECA Competitive Events Program.

Course Title: MARKETING III
Prerequisite: Marketing I & Marketing II
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: Marketing III is the capstone course in the marketing program where students are encouraged to think analytically, logically, and creatively to integrate experience and knowledge in real world marketing situations. Students will be given an opportunity to delve into Client-connected projects, Internships and Externships. All students enrolled in a marketing education class are required to join the co-curricular organization DECA, an Association of Marketing Students. Dues are $30 and include membership on the local, state, and national levels and a chapter t-shirt. Students are also strongly encouraged to participate in all DECA activities as well as the DECA Competitive Events Program.

Course Title: MARKETING INTERNSHIP
Prerequisite: Marketing (as well as concurrent enrollment in senior level marketing class)
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 or 2 unit(s) of Practical Arts
Course Overview: The Marketing Internship program provides a variety of classroom learning experiences, supervised on-the-job training, and student career-technical organization activities designed to increase student skills and impact success in postsecondary studies and the workplace.

Course Title: RETAILING I
Prerequisite: Marketing I
Grade Level: 10-12
Course Length: 1 year

Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: This course trains students (Customer Experience Associates) to use marketing foundations and functions, and demonstrates strategies used to merchandise and sell products and services effectively in a competitive market. Students learn basic sales techniques, customer service, marketing strategies, promotions, inventory control, marketing math, merchandising techniques, store operation, global marketing, and entrepreneurship. This course combines classroom instruction with unpaid on-the-job training experiences in our PCHS Spirit Store. All students enrolled in a marketing education class are required to join the co-curricular organization DECA, an Association of Marketing Students. Dues are $30 and include membership on the local, state, and national levels and a chapter t-shirt. Students are also strongly encouraged to participate in all DECA activities as well as the DECA Competitive Events Program.

Project Lead the Way (PLTW): Computer Science

Course Title: PLTW - COMPUTER SCIENCE ESSENTIALS
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop computational thinking skills while building confidence that prepares them to advance to Computer Science Principles, Cybersecurity, or Game Design strands.

Course Title: PLTW - COMPUTER SCIENCE PRINCIPLES
Prerequisite: PLTW - Computer Science Essentials
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: Using Python® as a primary tool, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation. This course is endorsed by the College Board, giving students the opportunity to take the AP Computer Science Principles exam for college credit.

Course Title: PLTW - CYBERSECURITY
Prerequisite: PLTW -Computer Science Essentials
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 Practical Arts
Course Overview: Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attached; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes.

Journalism

Course Title: VIDEO PRODUCTION I
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Units of Credit: ½ unit of Practical Arts
Course Overview: Students will learn to be video storytellers. In becoming a video storyteller, students will learn to plan out a story, operate a camera, conduct interviews, write stories, and edit video. This course requires students to be self-motivated, self-sufficient, and work outside of class on assignments. Students will also experience all aspects of studio news production both in front of and behind the camera, and experience live event video production (i.e. athletic events and music/drama events)

Course Title: VIDEO PRODUCTION II
Prerequisite: Video Production I or Teacher approval, teacher interview, application
Grade Level: 10-12
Course Length: 1 year
Units of Credit: 1 unit of Practical Arts
Course Overview: Students will produce PCTV News broadcasts, experience all aspects of studio news production (both in front of and behind the camera), experience live event video production (i.e. athletic events and music/drama events.) and learn to be video storytellers. In becoming a video storyteller, students will learn to plan out a story, operate a camera, conduct interviews, write stories, and edit video. This course requires students to be self-motivated, self-sufficient, and work outside of class on assignments.

Course Title: PHOTOJOURNALISM
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: This course is designed as a prerequisite to Yearbook to connect traditional photography skill with journalistic rules and guidelines. It will allow students who are interested in pursuing photography and/or communication degrees to further develop their skills and learn more about this particular field. This course will follow the curriculum written by the Journalism Education Association, which is aligned with Common Core Standards and 21st Century Skills. Photojournalism will focus on technology and communication skills while covering many writing skills.

Course Title: JOURNALISM I
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: Students will explore the basics of yearbook and newspaper production, including interviewing, writing, photography, layout, and design. Students will be introduced to InDesign publication software. Additional topics covered could include yearbook applications and careers in journalism.

Course Title: NEWSPAPER
Prerequisite: Journalism I or Photojournalism
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: Staff members will write stories, edit stories, take photos, layout pages, and perform other assigned tasks for The Pirate Clipper, a newspaper published monthly during the school year. All staff members also are required to sell subscriptions. Students must apply and be selected for a staff position the previous fall.

Course Title: YEARBOOK
Prerequisite: Journalism I or Photojournalism
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: While working to compile and publish the yearbook, The Pirateer, staff members gain skills in layout, photography, interviewing, writing, and computer publishing. All staff members are required to sell sponsorships and participate in after school work nights and coverage assignments. Students must apply and be selected for a staff position the previous spring.

Family & Consumer Sciences

Course Title: CAREER DEVELOPMENT AND ENTREPRENEURSHIP
Prerequisite: None
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: Career Development and entrepreneurship explores a variety of Family and Consumer Sciences Careers, while looking for opportunities to develop your own entrepreneurship. Students will have the opportunity to explore careers related to Human Services, explore, learn and develop an entrepreneurship.

Course Title: CHILD DEVELOPMENT I
Prerequisite: None
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: Child Development I students study the physical, intellectual, social, and emotional development of a child from conception to three years of age. This course teaches parenting and caregiving roles in relation to the developing child as well as guiding them in the learning process. This class is a basic foundation course for any student wanting to pursue a career in education or working with children in any capacity.

Course Title: CHILD DEVELOPMENT II
Prerequisite: Child Development I
Grade Level: 9-12
Course Length: 1 Semester

Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: Child Development II students study the physical, intellectual, social, and emotional development of a child from four to eight years of age. This course teaches parenting and caregiving roles in relation to the developing child as well as guiding them in the learning process. This class is a basic foundation course for any student wanting to pursue a career in education or working with children in any capacity.

Course Title: HUMAN DEVELOPMENT
Prerequisite: None
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: Interpersonal Relationships encourage self-examination and critical thinking relative to adult living. Areas of study include understanding oneself and others, dating, long-term committed relationships, family systems, financial responsibility, parenting, and the life cycle. The course content encourages the development of the skills necessary for successful relationships in today's changing world.

Course Title: INTERIOR DESIGN
Prerequisite: None
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: Interior Design provides students with the opportunity to study the elements required to create an attractive and functional living space. This course introduces students to the wide variety of careers in the field of housing and interiors through hands-on activities. Technology and actual sample materials are used to develop projects related to architecture and interior design. Creativity and application of the elements and principles of design are emphasized.

Course Title: EVENT PLANNING AND TRAVEL (formally Hospitality & Tourism Management Program)
Prerequisite: None
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: The Hospitality and Tourism Management Program (HTMP) is the American Hotel and Lodging Educational Institute's (AHLEI) new high school curriculum that is designed for juniors and seniors. The HTMP curriculum teaches employability skills and job-specific technical skills. The first year content deals specifically with information required for operational level employee positions and responsibilities. The second year content focuses on the leadership and managerial aspects, responsibilities, knowledge, and skills required by an entry-level leader in the industry. Students have the opportunity to earn the Certified Hospitality and Tourism Management Professional designation from the AHLEI by passing both the HTMP year 1 and 2 final exams and by gaining 100 hours of work experience in a qualifying position. Guest Service Gold is a short curriculum taught in conjunction with HTMP that provides a solid foundation in guest service skills. Passing the course exam will earn the student a portable, globally-recognized certification designation from the AHLEI, Certified Guest Service Professional. At this time the certification is not an Industry Recognized Credential in Missouri but is recognized by the industry.Membership of Family, Career and Community Leaders of America (FCCLA) is expected.

Course Title: FOODS AND NUTRITION
Prerequisite: None
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: Nutrition and Foods assists students in understanding the role of nutrition in health and wellness. A brief study of nutrients, food labels and dietary guidelines are a part of the course. Students will also study food safety and sanitation, use of equipment and utensils, kitchen safety, meal planning, table setting and etiquette will be studied in preparation of working in the kitchen. Demonstrations, hands-on food labs, guided instruction and cooperative learning are used throughout the course. Ultimately, students will be given the opportunity to have the necessary skills to plan, purchase and prepare nourishing meals and to evaluate and improve their day-to-day food choices.

Course Title: INTERNATIONAL FOODS
Prerequisite: Foods & Nutrition
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts
Course Overview: International Foods assists students in exploring the impact of food around the world. This course emphasizes variety in food products and preparation techniques, diet in health and illness, experimentation in meal patterns, and the significance of food relating to various cultures and world conditions. Students will also review food safety and sanitation, use of equipment and utensils, kitchen safety, meal planning, table setting, and etiquette to prepare students to work in the kitchen/lab. Demonstrations, hands-on food labs, guided instruction, and cooperative learning are used throughout the course. Ultimately, students will be allowed to have the necessary skills to plan, purchase and prepare nourishing meals and to evaluate and improve their day-to-day food choices.

Course Title: PROSTART I
Prerequisite: Foods & Nutrition
Grade Level: 10-12
Course Length: 1 Year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: Are you interested in starting an exciting career in the restaurant and food service industry? ProStart is a nationwide, 2-year, career and technical education program that unites the foodservice industry and the classroom to teach high school students culinary skills and restaurant management principles. ProStarts industry driven curriculum combines real-world opportunity, enabling students to display employability skills such as communication, teamwork, professionalism and time management. Students will learn all aspects of food safety and sanitation and the principles of professional kitchen basics, knife skills, knife cuts, and preparation techniques for stocks, soups, sauces, fruits, vegetables, and an introduction to baking. The participatory and hands-on nature of ProStart gives students a platform to discover new interests and talents, opening doors to fulfilling careers. Whether students plan to enter the job market directly, or attend college, a ProStart graduate makes a talented candidate for success.

Course Title: PROSTART II
Prerequisite: ProStart I
Grade Level: 11-12

Course Length: 1 Year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: ProStart II is a continuation of ProStart I. Students will continue advancing their skills by further exploring the exciting and developing professions in the culinary industry. Students will learn marketing strategies, costing and purchasing fundamentals, as well as business concepts related to the restaurant industry. Application of math, science and technology will be seen in each unit. Cooking principles and techniques for the preparation of breakfast food, meat, poultry, seafood, desserts, potatoes, pastas, grains, and baked goods will be introduced. Students who pass the end of course exam for Level II will receive a certificate from the National Restaurant Association.

Project Lead the Way (PLTW) - Engineering

Course Title: INTRODUCTION TO ENGINEERING DESIGN
Prerequisite: Currently enrolled in Algebra I or above
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

Course Title: CIVIL ENGINEERING AND ARCHITECTURE
Prerequisite: IED
Grade Level: 10-12
Course Length: 1 Year
Unit(s) of Credit: 1 Unit of Practical Arts
Course Overview: Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software. Students can receive college credit for taking this course.

Course Title: PRINCIPLES OF ENGINEERING
Prerequisite: Currently enrolled in Geometry or above or IED
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: This survey course of engineering exposes students to some of the major concepts they'll encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.

Course Title: COMPUTER INTEGRATED MANUFACTURING
Prerequisite: Currently enrolled in Geometry or above, IED
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system. Students can receive college credit for taking this course.

Course Title: DIGITAL ELECTRONICS
Prerequisite: While enrolled in Geometry or above, IED, POE
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

Course Title: ENGINEERING DESIGN & DEVELOPMENT
Prerequisite: Three previous PLTW Engineering Courses
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: The knowledge and skills students acquire throughout PLTW Engineering come together in Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career.

Foundations of Technical Careers

Course Title: FOUNDATIONS OF TECHNICAL CAREERS I (LINK)
Prerequisite: None
Grade Level: 9-11
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts
Course Overview: Students interested in pursuing high demand, high wage, hands-on skilled trades careers should enroll in Foundations of Technical Careers. The course will be an opportunity for students to learn technical concepts in the areas of safety, tools, electrical concepts, mechanical concepts, troubleshooting, precision measurement, blueprints and drawings, and project work in technical careers. Students will also begin to explore technical careers in the career clusters of architecture and construction, manufacturing, and transportation &

logistics. This course is taught with state-of-the-art technology and is taught at the Northland Career Center.

PHYSICAL EDUCATION

Graduation Requirement: 1 Unit

Course Title: BASIC PE
Prerequisite: None
Grade Level: 9
Course Length: 1 Semester or 1 year
Unit(s) of Credit: ½ or 1 unit of Physical Education
Course Overview: This course focuses on the basic skills of physical fitness with emphasis on rules and fundamentals of games and sports including individual, team, and fitness activities.

Course Title: ADVANCED PE
Prerequisite: None
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Physical Education
Course Overview: This course involves a combination of fitness, team, and individual sport activities including volleyball, football, and basketball in the fall semester. The spring semester activities will include floor hockey, and softball. The course will also attempt to increase cardiovascular fitness, strength, flexibility and muscular endurance through in-class work and fitness labs.

Course Title: SOCIAL DANCE
Prerequisite: None
Grade Level: 9-12
Course Length: ½ unit of Physical Education
Course Overview: This course is designed for any male or female student who would like to use the assets of dance to improve physical fitness and to develop the confidence and ability to dance for fun. The class is designed to improve physical skills such as posture, strength, flexibility, stamina, and balance. Students will learn the techniques and vocabulary for various types of dance. Appropriate injury prevention techniques will be explored along with aspects of the anatomy and nutrition. Students will perform for each other in class and have the option to put on a semester show.

Course Title: POWER WALKING
Prerequisite: None
Grade Level: 9-12
Course Length: ½ unit of Physical Education
Course Overview: This course is designed to promote aerobic and muscular endurance with the use of safe and mechanically effective walking techniques. This course will incorporate motivational techniques, pacing and prevention of injuries. Furthermore, this course will enhance the students' practical knowledge of fitness and nutrition concepts as well as establish a sound, individual exercise program that may be maintained throughout life. The main activity component of this class will be walking. Walking routes will include established campus paths, indoor and outdoor tracks.

Course Title: INTRO TO MEN'S OR WOMEN'S STRENGTH AND CONDITIONING
Prerequisite: None

Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Physical Education
Course Overview: This course is a class that introduces students to weight training who have previously not had a weight training class at school. The course will include all five components of fitness: strength, speed, coordination, flexibility, and endurance. The strength training will allow the students to improve overall strength through various lower body exercises with stresses in proper squatting technique as well as upper body strength. The class will introduce proper technique to Olympic Weightlifting through drills and various exercises. The class will also address important mobility issues with many students today and help improve their range of motion through band distraction, foam rolling, and other modalities commonly used. The class will also have a strong focus on improving student fitness levels which includes cardiovascular and muscular endurance. Taking this class will help prepare them for the next level of Strength and Conditioning that is offered.

Course Title: MEN'S OR WOMEN'S STRENGTH AND CONDITIONING
Prerequisite: Intro to Men's or Women's Strength and Conditioning
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Physical Education
Course Overview: This course will help improve an individual's overall physical fitness through a variety of physical training methods. The strength training will be evolved around four core lifts including squats, push press, bench press, and hang cleans. The fitness portion of the class may involve aerobic and anaerobic exercises including plyometric, agility stations, and running workouts.The class will also stress the importance of maintaining flexibility through a variety of stretches. **NOTE: We receive a high number of requests for this course. Students may be relocated to an alternate Physical Education course if there are safety, participation, or availability concerns.

FINE ARTS

Graduation Requirement: 1 Unit

Art Courses

Course Title: ART EXPLORATION
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art
Course Overview: The student will study art appreciation, art history, and art careers, and explore a variety of media through the application of the elements and principles.

Course Title: DRAWING AND PAINTING I
Prerequisite: Art Exploration
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art
Course Overview: The student will draw portraits and landscapes, explore different media and techniques. Students are required to participate in an art show.

Course Title: DRAWING AND PAINTING II
Prerequisite: Art Exploration & Drawing and Painting I
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art
Course Overview: The student will complete observational and research-based projects, while continuing to explore a variety of media. Students are required to participate in an art show.

Course Title: GRAPHIC DESIGN
Prerequisite: Art Exploration & Draw and Painting I
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art
Course Overview: The student will explore printmaking, photography, computer design applications, and techniques. Students are required to participate in an art show.

Course Title: CERAMICS AND SCULPTURE I
Prerequisite: Art Exploration
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art
Course Overview: The student will explore a variety of techniques of sculpture in clay, wood, paper, and wire.

Course Title: CERAMICS AND SCULPTURE II
Prerequisite: Art Exploration & Ceramics and Sculpture I
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art
Course Overview: The student will explore and expand skills learned in Ceramics & Sculpture I. Projects will be made in clay and other sculptural media. Students are required to participate in an art show.

Course Title: AP STUDIO ART ⚖️
Prerequisite: Drawing & Painting I & II, Ceramics & Sculpture I & II, & Graphic Design
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: The student explores advanced 2D or 3D projects and pursues areas of interest with guidance from the instructor. Projects will be assigned and directed by the instructor in preparation for portfolio, college and career. Students are required to enter shows and contests. This course should be considered by the student who has strong art skills, is probably college bound in an art-related area, and is willing to put forth extra effort for his/her education. This course requires the student to assemble the AP Studio Art Portfolio to possibly earn hours for college credit.

Course Title: PRINTMAKING
Prerequisite: Art Exploration
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art
Course Overview: Printmaking is a studio course designed for students to produce works of art through the use of various techniques including monotype, relief, and intaglio.

Theater Courses

Course Title: THEATER I
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: Students will be introduced to the fundamentals of the theater. Students will explore theater history, basic acting skills, technical design, etiquette, writing for the stage and dramatic literature.

Course Title: THEATER II
Prerequisite: Theater I
Grade Level: 10-12
Course Length: 1 year

Unit(s) of Credit: 1 unit of Fine Art
Course Overview: Students will study the art of acting through: Analysis and development of characters from literature, refinement of performance skills, and studying a variety of acting methods. Students will memorize monologues, scenes, and short plays. Involvement in school productions is encouraged and some out-of-class participation will be required.

Course Title: PIRATE PERFORMERS
Prerequisite: Audition Only
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: This is an advanced performance class which will focus on higher level acting, directing, producing, and script writing skills. Students will lead productions, participate in One Act competitions, and design and direct their own SRO (standing room only) production. Involvement in high school musicals, plays, and other performances is expected.

Course Title: STAGECRAFT & SET DESIGN I
Prerequisite: Theater I
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: Students will explore, design, and construct various set pieces and technical aspects of theater. Students will learn to build sets and learn about the production process. Some experience working with tools is preferred, but not required. Involvement in high school musicals, plays, and other performances are expected. There will be out-of-school participation in order to support student performances. This is not an acting class.

Course Title: STAGECRAFT & SET DESIGN II
Prerequisite: Stagecraft & Design I
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: Students in Stagecraft and Set Design II will take on mentor and leadership roles in collaboration groups with SSDI students in the same course. They will begin the design process with the first show of the school year and lead their groups as mentors. SSDII students will gain a deeper understanding of stagecraft and design. Students will broaden their knowledge of set architecture applicable to a variety of stage productions, including lighting, and special effects work.

Music Courses

Course Title: MARCHING BAND
Prerequisite: Middle school band or consent of the instructor
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: A full complement of band offerings is available at Platte County High School. In the fall students

can elect to participate in the Traditions marching band. This "open enrollment" band is open to all high school students who have successfully completed a middle school band program. The Traditions Band performs at all home football games and other community events. The Traditions Band also competes in one parade competition each fall. Students can also audition for the Pride Band. This "audition only" marching band learns a challenging competitive field show program and competes in area and regional field marching competitions. Grades for band in the fall semester are determined by the student's participation in the Traditions Band. The Pride Band activity does not impact a student's grade. Each marching band has a summer camp. The Traditions Band camp is one week and the Pride camp is two weeks in length.

Course Title: CONCERT BAND
Once the marching season concludes, ALL students must audition for placement in one of three concert bands. The Wind Ensemble is the department's top ensemble, playing advanced high school and collegiate level material. The concert band is the mid-level band performing grade 3-4 literature. The campus band is the entry level high school band which focuses on reinforcing and further developing the fundamentals of instrumental music performance. Each group performs three concerts per year. The Wind Ensemble and Concert Band also participate in the MSHSAA large group evaluative festival each spring, as well as other area and regional band festivals. Grades are determined by participation in class rehearsals and attendance at all concerts and performances.

Course Title: JAZZ ENSEMBLE
Prerequisite: Audition only
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: Students study style, performance, and presentation of the jazz genre including swing, Big Band, Latin, ballad, rock, and funk styles. The group presents three concerts per year, culminating in the "Evening of Jazz" in May. The ensemble performs for school/community events and numerous jazz competitions/festivals as deemed appropriate by the director. This group is re-auditioned each year in May. Enrollment in the large band class is required, however non-band students who wish to audition must have permission from the Jazz band director.

Course Title: FLAG CORPS
Prerequisite: Audition
Grade Level: 9-12
Course Length: 1 semester (fall)
Unit(s) of Credit: ½ unit of Fine Art
Course Overview: The group performs during the fall semester with the Pirate Pride marching band. Students learn routines and are involved in a camp three weeks prior to the start of the school year. Activities include halftime shows, parades, marching festivals, and community events.

Course Title: WOMEN'S CHOIR
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: The students will study a variety of music and prepare for concerts. They will study

sight-reading, ear training, music theory, and develop vocal skills.

Course Title: MEN'S CHOIR
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: The students will study a variety of music and prepare for concerts. They will study sight-reading, ear training, music theory, and develop vocal skills.

Course Title: FRESHMAN HONOR CHOIR
Prerequisite: Audition
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: The time will be divided between concert music, music reading skill development, ensemble production and development, several concerts, and contest participation. Students will develop vocal skills through the study of show choir and traditional choral literature.

Course Title: CONCERT CHOIR
Prerequisite: Audition
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: The time will be divided between concert music, music reading skill development, ensemble production and development, several concerts, and contest participation. Students will develop vocal skills and participate in the community, through concerts at civic organizations.

Course Title: SOUND EXPRESS
Prerequisite: Audition
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: The time will be divided between concert music, music reading skill development, ensemble production and development, several concerts, and contest participation. Students will develop vocal skills and participate in the community, through concerts at civic organizations.

Course Title: MUSIC APPRECIATION
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art
Course Overview: Students will study music with economic, political, religious, and social motivation.

Course Title: FOUNDATIONS OF MUSIC THEORY
Prerequisite: Completion of one year high school level music performance class

Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: This course will provide the basic tools for the students to be successful in their study of music theory. Fundamental knowledge of pitch and rhythm notation, meter signatures, key signatures, scales, intervals, and chords, will allow the student to understand how music works. The goal of this FMT is to provide an academically rigorous course which prepares our students for the challenges and demands of freshman level music theory courses at the collegiate level.

Course Title: MUSIC TECHNOLOGY
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: Students will learn the basics of sound equipment. Students will learn how to set up the existing equipment from the theater for various scenarios and how to operate the existing sound board. Students will be taught how to set volume levels from scratch, set groupings, add effects, save and load scenes, and control the board via IPad. Students will experience new opportunities for music creation, other than just typical performance classes. Trained student personnel will help run sound for various productions in the theater. New public communications, with the chance to create podcasts, and introduction to new career opportunities in the music industry are possible.

ELECTIVES

World Language

(Graduation Requirement: 0 Units / College Prep: 2 Units in the Same Language)

Course Title: FRENCH I
Prerequisite: Recommended B or better in English
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective
Course Overview: This course acquaints students with the language and culture of the French speaking peoples of the world. It is a foundation course of basic French vocabulary, grammar, writing and oral communication skills.

Course Title: FRENCH II
Prerequisite: French I
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective
Course Overview: This course continues the study of the French language and culture. It rounds out student backgrounds in grammar and continues to develop reading, writing, and communication skills in French.

Course Title: FRENCH III

(Option of dual credit FRE100: ELEMENTARY FRENCH & FRE101: ELEMENTARY FRENCH II)
Prerequisite: Teacher recommendation and a "B" or better in French II (A student who shows advanced skills may take French III without taking French II)
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective and 6 college hours
Course Overview: This is an advanced French vocabulary and grammar course conducted entirely in French. It will develop the student's ability to speak, to understand spoken French, to read, and to write. Please Note: To earn college credit, at Missouri Western State University, a student must have to have a GPA of a 3.0.

Course Title: FRENCH IV

(Option of dual credit FRE200: INTERMEDIATE FRENCH I & FRE201: INTERMEDIATE FRENCH II)
Prerequisite: French III and Teacher recommendation (For dual credit, enrollment in FRE 100: Elementary French/FRE101: Elementary French II)
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective (and 6 college hours if taking class as dual credit)
Course Overview: This course is designed for those students who wish to continue their study of the French language, culture and history. Students will continue to improve communicative skills. Please Note: To earn college credit, at Missouri Western State University, a student must have to have a GPA of a 3.0.

Course Title: SPANISH I
Prerequisite: Recommended B or better in English
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective
Course Overview: This course acquaints the beginning language student with the language and culture of the Hispanic speaking world, basic Spanish vocabulary, grammar, and written and oral communication skills.

Course Title: SPANISH II
Prerequisite: Spanish I
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective
Course Overview: This course continues the study of Spanish language and culture by rounding out student backgrounds in grammar and by continuing to develop reading, writing, and communication skills in Spanish.

Course Title: SPANISH III
Prerequisite: Spanish II and teacher recommendation
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective
Course Overview: Spanish III develops the ability to understand the Hispanic world through literature and culture. Intermediate grammar and oral and written communication skills are emphasized. Students will begin development of international friendships and opportunities.

Course Title: SPANISH IV
Prerequisite: Spanish III and teacher recommendation
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective
Course Overview: Spanish IV develops the ability to understand the Hispanic world through literature and culture. Intermediate grammar and oral and written communication skills are emphasized. Students will begin development of international friendships and opportunities.

Other Electives

Course Title: ACT PREP
Prerequisite: Algebra I and Geometry
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Elective
Course Overview: This course is designed to prepare the junior student for the ACT college entrance exam. Test-taking strategies for reading, vocabulary, mathematics, science reasoning, and English grammar will better prepare them for the ACT test.

Course Title: PEER HELPING 🚗
Prerequisite: At least a 2.5 GPA, 95% attendance percentage, & an A+ agreement; (potentially off-campus course)
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Elective
Course Overview: This course offers an opportunity for students to accumulate hours toward the tutoring requirement for A+ designation. Following an initial training, students will be paired up with students needing help in the classroom. The tutelage will occur under the guidance of the teacher in a district elementary, middle, or high school classroom.

Course Title: MENTOR LEADERSHIP
Prerequisite: Application & screening process
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Elective
Course Overview: The Mentor Leadership class is only available to students who have gone through the application and screening process and have been selected as a Freshman Mentor. To be eligible to apply, students must have at least a 2.5 GPA and 90% attendance. The Mentors learn various activities in class and are assigned to a specific Freshman Seminar. Mentors conduct several lessons in seminar classes including: the importance of school involvement, academic success strategies, anti-bullying strategies, and assist freshmen to a successful start in high school. For more information, see your guidance counselor.

NORTHLAND CENTER FOR ADVANCED PROFESSIONAL STUDIES (NORTHLAND CAPS) 🚗

Students associates in the Northland CAPS program have the opportunity to choose from several different strands of study. These strands have been identified by local stakeholders as the most in-demand, high-skill careers available in our region. Northland CAPS does not operate out of a school; instead, our regular classroom sites are fully immersed at numerous business partner sites. Our student associates leave with a deeper understanding of the scope and nature of the corporate world, how to dress and behave in a professional work environment, and the technical skills needed to be successful - all through regular interaction with mentors from the professional world. Students will earn 1 Unit of Practical Arts and 2 Units of Electives. Click here for more information.

- **Business Accelerator:** A unique opportunity to start your own business with the support of Northland CAPS and its professional network
- **Digital Media and Design:** For the creative, artistic person interested in careers in graphic design, digital photography, audio and/or video production
- **Engineering and Advanced Manufacturing:** Discover STEM careers that align to your passions, skill set, and personality!
- **Global Business and Logistics:** Helping businesses thrive by managing people, finances, supplies, projects, and more!
- **Medicine and Healthcare:** Explore a wide range of specializations in one of the hottest career paths in the region!
- **Technology Solutions:** Software development, cybersecurity, AI, and more...innovative technology surrounds us all!
- **Senior Associates (2nd Year Only):** Continue developing leadership and critical thinking skills with internships through Northland CAPS!

NORTHLAND CAREER CENTER

Northland Career Center offers both morning and afternoon sessions. Students need to check with their counselor to determine the number of credits needed to graduate and additional courses recommended. Student selection for Northland Career Center is based on successful completion of prerequisites, good school attendance, grade point average, standardized test scores and an interest in career and technical education. Students will earn 1 Unit of Practical Arts, 2 Units of Electives, and ½ credit in both Math and English. Upon successful completion of a one or two-year course, the student will receive a one or two year certificate. Click here for the NCC course catalog, which includes the following programs:

- Early College Agricultural Sciences
- Aviation Technology
- Construction Technology
- Culinary Arts
- Diesel Technology
- Health Sciences
- Heating Cooling and Climate Control
- I.T. Professionals
- Industrial Welding,
- KC Tech Academy (Manufacturing)
- Law Enforcement/CSI
- Teaching Professions

Additional Learning Opportunities

Standardized tests are designed to give a common measure of students' performance. They help compare an individual's performance with the performance of a group of students from a given class, school, or school system. Since large numbers of students throughout the country take the same test, "standards" can be developed to show whether school programs are succeeding and how students are performing. Standardized achievement tests measure how much students have already learned about school subjects such as reading, math, language skills, spelling, or science. On the other hand, standardized aptitude tests measure your students' ability to learn in school. They measure verbal ability, mechanical ability, creativity, clerical ability, or abstract reasoning. Additional Community College placement tests are available.

Civics Assessment
This is a State Mandated Assessment for Graduation that is given in American Government beginning with the 2020-2021 cohort.

CPR
This training is required by the State for Graduation. Beginning 2018-2019, all freshmen will take this training in health class.

End of Course Exams
There are four mandated End of Course Exams for High School Graduation. They are - Algebra (Algebra I, Algebra II, Honors Algebra II), English II, American Government, Biology.

PSAT/NMSQT (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test)
The PSAT/NMSQT measures verbal and mathematics reasoning skills important for academic success in college. It serves three purposes: gives the student practice for the SAT I; is the first step in qualifying for scholarships sponsored by the National Merit Scholarship Corporation and other scholarship programs; gives the student the opportunity to participate in the Student Search Service. This test is taken in the junior year for NMSQT qualification.

ACT (American College Testing Program)
The ACT is a battery of five examinations in English, math, reading, science reasoning, and writing (optional), each of which yield separate scores measuring developed abilities. The test is required by many colleges as part of the application process for admission.

AP (Advanced Placement) Testing
Students enrolled in AP courses may complete the AP examination for which the course has prepared them. Information is available from the teachers of the AP courses. Each college or university determines which of these examination scores it will accept. It is important for students to have accurate information from the school they plan to attend regarding the acceptance of AP credit.

Fees

Fees	Amount
Freshman Class Dues	$15.00
Sophomore Class Dues	$15.00
Junior Class Dues	$15.00
Senior Class Dues	$15.00
Biomedical Science	$25.00

Career Development And Entrepreneurship	$25.00
Choir (Concert, Freshman, Men's and Women's)	$15.00
Sound Express	$30.00
Civil Engineering & Architecture (CEA)	$20.00
Computer Integrated Manufacturing (CIM)	$20.00
Digital Electronics	$20.00
Engineering Design (EDD)	$20.00
FBLA	$40.00
FCCLA	$25.00
Marketing (Principles of Business, Adv. Marketing, Marketing Research and Retailing)	$30.00
National Honors Society (NHS)	$20.00
Parking	$25.00
Principles of Engineering (POE)	$25.00
Theater (Set Design and Pirate Performers)	$20.00
ID Badge Replacement	$ 3.00
Intro to Engineering Design (IED)	$20.00

Activity Passes

Students must present their ID to any event accepting passes to gain free admittance.
Activity passes are available HERE under the "More" dropdown menu.
*Fees are subject to change.