

PARKWAY CENTRAL HIGH
COURSE GUIDE
2022-2023



BY MARI GOSMOPOULOS AND AMINA YULDOSHZODA

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PARKWAY BOARD OF EDUCATION

Jeff Todd, President
Deborah Hopper, Vice President
Pam Hill, Director
Kristy Klein Davis, Director
Matthew Schindler, Director
Sam Sciortino, Director
Kevin Seltzer, Director

ADMINISTRATIVE PERSONNEL

Dr. Keith Marty
Superintendent of Schools

Dr. Timothy H. McCarthy
Principal

Travis Fast, Assistant Principal
Class of 2026

Dr. Sarah Power, Assistant Principal
Class of 2025

Dr. Marvin Byrd, Assistant Principal
Class of 2024

Chris Dallas, Assistant Principal
Class of 2023

Holly Redman
Special Education Area Coordinator

COUNSELORS

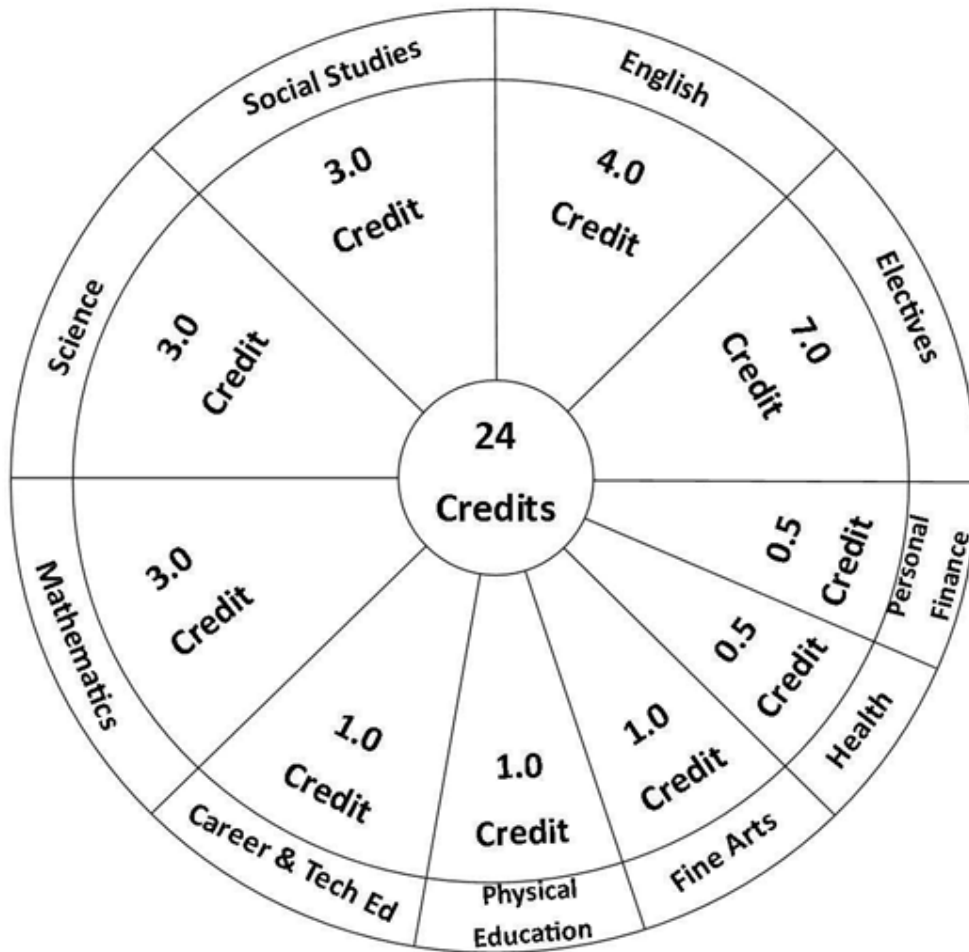
Dr. Lelia Flagg
A-E

Jenny Lange
F-La

Paul Hussmann
Lb-Ro

Priscilla Greenwood
Ru-Z

Nana Prange
Post-Secondary, Assessment & A+ Program



PARKWAY GRADUATION REQUIREMENTS

A planned four-year program of twenty-four units of credit is the minimum requirement for a diploma from a Parkway High School. Required units are divided into specific curricular areas as depicted on the wheel above.

Social Studies: Must include 1.0 credit of US History, 1.0 credit of World History and 0.5 credit of US Government.

Science: Must include 1.0 credit of Biology and 1.0 credit of a physical science.

Career & Technical Ed: Fulfilled through courses in Business & Marketing, Family & Consumer Sciences, Technology Education, Yearbook or Newspaper.

Fine Arts: Fulfilled through courses in Art, Music or Theatre.

Electives: Courses include those designated as “Elective” only credit (World Language courses, prep/support classes, etc), as well as any courses taken above the minimum requirements in all other categories, as well as courses (4th credit of math, science, social studies or additional units of Fine Arts, CTE or PE) .

Required Assessments: In addition to the credits listed above, students must pass the United States Constitution and Missouri Constitution tests (which are included in the required Government course) and complete specific state-required End of Course exams and the American Civics assessment.

The above requirements represent the minimum credits necessary for graduation from Parkway. Entrance requirements for universities/colleges may differ (i.e. 4 credits of math, 1-3 credits of World Language).

COUNSELING SERVICES

Counselors can help make certain that you have all the credits in the proper areas needed for graduation. Please go over course selections each year with your parents and counselor so you can be sure you will be ready when graduation time appears.

Students are encouraged to become acquainted with their counselor. Time will be made available for you as needed. For information on how to schedule an appointment with your counselor, check with the department assistant in the counseling area or connect with your counselor via email (addresses provided on the PCH Counseling website).

Your counselor can assist you by:

- Making sure all requirements for graduation are included in your schedule
- Helping in the selection of courses to be taken to meet your educational objectives
- Discussing, in confidence, any personal problems and helping to identify possible solutions
- Helping you discover potential career paths
- Helping you select a college and make application to that college
- Coordinating standardized tests and helping you interpret the results
- Helping you investigate volunteer opportunities

Grading System

The high school has a weighted grading system as follows:

	Regular	Honors	Honors Option
H	N/A	5	5
A	4	4.5	4
B	3	3.5	3
C	2	2.5	2
D	1	1.5	1
F	0	0	0

Courses that carry a weighted grade (honors or Advanced Placement) are designated with “+”.

Selected courses offer an honors option, yet are not an honors course. This means an “H” grade (5.0) is possible through contracting for the exceptional student. Additional weight is not applied to A-F grades in honors option courses. The course will not be designated with “+”, but the description indicates that an honors grade may be earned for courses that fit this category.

Courses with modified curriculum are preceded by an asterisk (*) on the transcript.

SCHEDULE PLANNING GUIDELINES

Parkway School District secondary schools offer a balanced program of required and elective subjects designed to prepare students to satisfy their personal and social needs as well as to meet the economic, civic, and social demands of the complex world today.

Some subjects are required of all students in the secondary schools. These subjects provide basic understanding, knowledge, skills, and attitudes that are the foundation of our social, civic, and economic life. These constitute the foundation of the broad educational program essential for all students.

The elective subjects provide opportunities for the exploration and development of new fields of interest and for the further development of special interests and abilities already discovered in both elementary and middle school. The elective program, like the required program, contributes to the general education of students, enriching the educational experience and strengthening self-confidence and poise through satisfying academic achievement.

Sound guidance in planning your program of studies is essential in both middle school and high school. Among the elective subjects, select those that will contribute most to the satisfaction of your personal goals.

The secondary schools provide special sections of some classes for adjusting the program to the ability and interest of students. Students are assigned to these classes based on examination, previous records, and staff recommendations. Teachers and counselors are available to help students plan their programs. Parents are always welcome to visit the school and discuss program planning.

NCAA/NAIA GUIDELINES

Students who plan to earn a college athletic scholarship at a NCAA Division I, Division II or NAIA school need to register with the appropriate clearinghouse.

NCAA - <https://web3.ncaa.org/ecwr3/>

NAIA - <https://play.mynaia.org/>

Links to additional information may be found on the PCH Counseling website. A student athlete is required to complete specific core high school courses for eligibility, so it is important to be planning and communicating with your counselor as early as possible.

High school grades are also important for determining your eligibility. NCAA will calculate your “core” GPA and right now Division I eligibility requires a “2.3 or take a knee”.

PERSONAL PLAN OF STUDY

Name: _____ High School Counselor: _____

Parkway Central High School Personal Plan of Study

	9 TH		10 TH		11 TH		12 TH	
	SEM1	SEM2	SEM1	SEM2	SEM1	SEM2	SEM1	SEM2
ENGLISH	English 1 or +Hon English 1	English 1 or +Hon English 1	English 2 or +Hon English 2	English 2 or +Hon English 2	English 3 or +AP Lang/Comp	English 3 or +AP Lang/Comp	Fund of Comp or Composition or +AP Lit/Comp	* _____ or +AP Lit/Comp
SOCIAL STUDIES	US History or +Hon US Hist	US History or +Hon US Hist	World History or +AP World Hist	World History or +AP World Hist	Government or +AP US Gov or +AP Gov/Comp	Government or +AP US Gov or +AP Gov/Comp	SS or Elective	SS or Elective
MATH <small>Note: many colleges require 4 years of math</small>	*	*	*	*	*	*	Math or Elective	Math or Elective
SCIENCE <small>(must include 2 semesters of a physical science)</small>	Biology 1 or +Hon Bio 1	Biology 2 or +Hon Bio 2	*	*	*	*	Science or Elective	Science or Elective
ELECTIVES <small>(must include 2 semesters of Fine Art, 2 semesters of CTE, 1 semester PE elective (11th or 12th grade) Note: many colleges require 2-4 years of one World Language</small>	Physical Fitness Concepts	Health ^A	Personal Finance ^A	Personal Finance ^A				
ADDITIONAL COURSEWORK <small>(middle school, summer, virtual, etc.)</small>	Optional		Optional		Optional		Optional	

* = placement based on recommendations and/or student choice ^A = may be taken in 10th, 11th, or 12th grade

Academic goal(s) for upcoming school year:

Graduation requirements (24 credits):

English (4), Math (3), Science (3), Social Studies (3), Fine Art (1), Career & Technical Ed (1), Phys Ed (1), Health (0.5), Personal Finance (0.5), Electives/Other (7)

Parent/Guardian Signature

Career path(s) you are considering:

Post-secondary plans: (mark all you are currently considering)

___ 2 year community college ___ Work
___ 4 year college/university ___ Military
___ Other: _____ ___ Gap Year

Time of plan review:

___ Initial (8th Grade) ___ 10th Grade
___ 9th Grade ___ 11th Grade

Student Signature

2022-2023
COURSE OFFERINGS
FOR
PARKWAY CENTRAL HIGH SCHOOL

*Please be advised that the courses listed in this guide are offered on the basis of sufficient enrollment.

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BUSINESS & TECHNOLOGY

Recommended Career Pathway Course Sequences

Accounting & Management

Introduction to Business
Personal Finance
Microsoft Office
Accounting 1
Honors Accounting 2
Honors Accounting 3
Business Management
BMIT Internship

Digital Media

Introduction to Computer Technologies
Branding & Design Concepts
Branding & Design Concepts 2
Digital Animation
Digital Animation 2
Web Design
Web Design 2
Multimedia
Multimedia 2
BMIT Internship



**Business & Technology
Department**

**Recommended
Career Pathway
Course Sequences**

Information Technology

Introduction to Computer Technologies
Web Design
Introduction to Computer Science
AP Computer Science Principles
AP Computer Science*
BMIT Internship

Marketing

Introduction to Business
Branding & Design Concepts
Branding & Design Concepts 2
Marketing 1
Marketing 2*
Business Management
BMIT Internship

*Denotes dual-credit with a college/university

*Business Marketing and Information Technology (BMIT) Internships
require concurrent enrollment in a related program course*

Keyboarding Applications**037020**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

Keyboarding Applications is an entry-level keyboarding class. This course is intended for students who type 30 words per minute or less. In this course, students will develop the touch method of keying, master basic functions, and build accuracy and speed. In addition, students will learn the basics of creating and formatting personal and business documents.

Introduction to Business**037350**

Grade(s): 9 - 10

Credit: ½ Career & Technical Ed

Prerequisite: None

This course will provide a solid foundation in business principles which are immediately applicable to students' lives. Through the use of interactive technology, simulations, presentations, and project management, students are made aware of the integral role that they play in today's ever-changing global economy. The units presented are economics, entrepreneurship, owning and operating a business, and marketing. The experiences students gain in this course will help them to succeed in future personal and business endeavors.

Introduction to Computer Technologies**037010**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

The purpose of this course is to provide students with an opportunity to develop a strong foundation in computer and information literacy. This course is a broad introduction to a wide variety of technology courses as well as for creativity, communications and organizing information. Students will learn about online tools, word processing and spreadsheet software, as well as graphic design, web design, coding, and video editing. Students will learn how to use computers flexibly, creatively and purposefully. All learners will be able to recognize what they need to accomplish and determine how they can utilize their digital literacy skills and knowledge to best approach the task.

Accounting I**037111 & 037112**

Grade(s): 10 - 12

Credit: 1 Career & Technical Ed Credit

Prerequisite: None

Students interested in learning how businesses operate, students interested in accounting or business as a major in college, and students interested in learning about keeping the financial records for their own business in the future, can all benefit from taking Accounting I. Students will learn financial accounting concepts including the accounting equation, the accounting cycle, entering transactions, posting to ledgers, preparing financial statements and payroll systems. Students will learn to utilize spreadsheet programs and automated accounting software to perform accounting procedures. Connections between accounting principles, the business world, as well as career opportunities in Accounting are provided. Sophomores and juniors are encouraged to take this course so they may elect to take Accounting II. College credit is available for students, meeting certain criteria, through an articulation agreement with St. Louis Community College.

Honors Accounting 2***038121 & 038122***

Grade(s): 11 - 12

Credit: 1 Career & Technical Ed

Prerequisite: Accounting 1

Honors Accounting II gives students the opportunity to apply their knowledge from Accounting I by mastering advanced accounting activities and concepts. The topics included are departmentalized accounting, inventory planning, depreciation, notes, accrued expenses and revenues, stocks, bonds, and dividends. Students will continue to utilize spreadsheet programs and automated accounting software to perform accounting procedures. Accounting II provides the foundation of skills and knowledge with which to pursue study in college or enter the work world. A weighted grade is given.

Honors Accounting 3***038131 & 038132***

Grade(s): 12

Credit: 1 Career & Technical Ed

Prerequisite: Accounting 2

In Honors Accounting III, students learn how businesses plan for and evaluate their operating, financing and investing decisions. Students also learn how to gather and provide data for making financial decisions. This year-long course builds on students' previous financial accounting knowledge and covers managerial accounting concepts. Concepts in this course include budget planning, financial statement analysis, cost accounting, partnerships, governmental accounting, and non-profit accounting. A weighted grade is given.

Branding & Design Concepts***037280***

Grade(s): 10 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Introduction to Business or Marketing 1 recommended

In this course, students will build an understanding of the role of design in marketing, promoting and advertising a brand. Focus is placed on the impact of visual communication on consumer perception of brand essence. Students will be introduced to the concept of corporate identity and the relationships between branding, identity and logo design. Successful and failed corporate branding attempts will be explored. Students will develop, create, and analyze their own corporate logo designs and identify the visual elements and devices that define the corporate identity and contribute to the corporate brand. Students will produce a variety of corporate identity assets and design and publish a brand style guide.

Branding & Design Concepts 2 / Advanced Digital Media Lab***037500***

Grade(s): 10 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Branding & Design Concepts

This course is designed to provide continued digital media learning opportunities to students who have already mastered foundational skills through the completion of Branding & Design Concepts. Students enrolled in this course will engage in self-directed, personalized production activities as they work individually and in teams to create digital media products of their choosing. Students will have the opportunity to develop project management, collaboration, and client interaction skills. This hands-on learning experience will allow students to take their passion for digital media to the next level. This course may be taken for multiple semesters.

Business Management**037550**

Grade(s): 11 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

This course provides an overall perspective of business operations and management. Students learn firsthand by partnering with industry professionals. Topics include career development, business ethics and social responsibility, employee communication and motivation, management techniques, forms of business ownerships, and the global aspect of business. This is an excellent college preparatory course for the business-oriented student.

Digital Animation**037490**

Grade(s): 10 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Introduction to Computer Technology recommended

In this course, students will learn to develop rich media content utilizing vector graphics and animation. Students will develop storyboards, create and manipulate graphics and text, develop animation using the timeline, and create interactive elements using code. This course gives students a competitive edge in today's technologically driven society as they acquire skills using the leading industry software.

Digital Animation 2 / Advanced Digital Media Lab**037500**

Grade(s): 10 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Digital Animation

This course is designed to provide continued digital media learning opportunities to students who have already mastered foundational skills through the completion of Digital Animation. Students enrolled in this course will engage in self-directed, personalized production activities as they work individually and in teams to create digital media products of their choosing. Students will have the opportunity to develop project management, collaboration, and client interaction skills. This hands-on learning experience will allow students to take their passion for digital media to the next level. This course may be taken for multiple semesters.

Introduction to Computer Science**037310**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed OR ½ Math*

Prerequisite: Algebra 1 required; Introduction to Computer Technology recommended

This course is designed to provide students with an introduction to fundamental programming and software development practices. Students will develop a firm understanding of algorithm design and object-oriented programming. This course is a prerequisite to the AP Computer Science course.

*This course may be taken for high school math credit; however, some colleges/universities may not accept computer science courses as a way to fulfill their admissions requirements. If a student wishes to take this course for high school math credit, the student and parent/guardian will be asked to sign a form acknowledging that the credit may not satisfy college/university admissions standards. Students may utilize up to 1.0 credit of district-approved computer science courses to fulfill high school graduation requirements.

AP Computer Science Principles**039251 & 039252**

Grade(s): 10 - 12

Credit: 1 Career & Technical Ed OR 1 Math*

Prerequisite: Introduction to Computer Technologies recommended

Computer Science Principles (CS Principles) curriculum is a full-year, vigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the internet, big data, digital privacy and security, and the societal impacts of computing. This course prepares students to take the College Board Advanced Placement Computer Science Principles examination. A weighted grade is given.

*This course may be taken for high school math credit; however, some colleges/universities may not accept computer science courses as a way to fulfill their admissions requirements. If a student wishes to take this course for high school math credit, the student and parent/guardian will be asked to sign a form acknowledging that the credit may not satisfy college/university admissions standards. Students may utilize up to 1.0 credit of district-approved computer science courses to fulfill high school graduation requirements.

AP Computer Science A**039321 & 039322**

Grade(s): 11 – 12

Credit: 1 Career & Technical Ed OR 1 Math*

Prerequisite: Introduction to Computer Science or AP Computer Design Principles

The major emphasis of this course is on programming methodology, algorithms, data structures, and object oriented programming. The material for this course is the equivalent of one semester of entry level coursework in a college computer science program. This course prepares students to take the College Board Advanced Placement Computer Science A examination. A weighted grade is given.

*This course may be taken for high school math credit; however, some colleges/universities may not accept computer science courses as a way to fulfill their admissions requirements. If a student wishes to take this course for high school math credit, the student and parent/guardian will be asked to sign a form acknowledging that the credit may not satisfy college/university admissions standards. Students may utilize up to 1.0 credit of district-approved computer science courses to fulfill high school graduation requirements.

Marketing 1**047751 & 047752**

Grade(s): 10 - 12

Credit: 1 Career & Technical Ed

Prerequisite: None

Marketing 1 introduces the student to the field of marketing. Students will know the principles of marketing which include product, price, place and promotion. Students will be able to apply the principles of marketing to develop marketing strategies and plans in a global marketplace. This course will offer a competitive edge to students pursuing a marketing career and/or a business major in college. Coursework includes individual and group projects, guest speakers, field trips, leadership activities, and business/community involvement.

Marketing 2**047761 & 047762**

Grade(s): 11 - 12

Credit: 1 Career & Technical Ed

Prerequisite: Marketing 1 or Consent of Coordinator

This course is designed to provide an in-depth study in the principles of marketing. Students will be able to develop a marketing plan and explain how external factors influence marketing decisions. Students will have the opportunity to participate in class projects that are designed to encourage decision-making and personal leadership development through outside industry partnerships. Students may register through Missouri State University to receive college credit for this course.

Microsoft Office**037270**

Grade(s): 10 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Introduction to Computer Technologies or consent of teacher, keyboarding speed of 30 WPM

Microsoft Office is designed for students who are proficient using the keyboard and want to learn advanced skills in the Microsoft Office Suite. Skills learned in this course will be useful for students while furthering their education and in their future career. Students will learn ways to enhance documents in Word, develop professional spreadsheets and charts in Excel, create high-quality presentations in PowerPoint, and design useful databases in Access. In addition, for students meeting certain criteria, college credit is also available through an articulation agreement with St. Louis Community College.

Multimedia**037590**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

This course provides students the opportunity to produce a variety of digital media products including social media graphics, podcasts, and videos. Students will learn design principles, the phases of production, audio editing, video editing and effects, and effective use of camera shots. This is a hands-on class that allows students to use their creativity to produce engaging multimedia products! Students taking this course are eligible to join the stadium video board crew.

Multimedia 2 / Advanced Digital Media Lab**037500**

Grade(s): 10 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Multimedia

This course is designed to provide continued digital media learning opportunities to students who have already mastered foundational skills through the completion of Multimedia. Students enrolled in this course will engage in self-directed, personalized production activities as they work individually and in teams to create digital media products of their choosing. Students will have the opportunity to develop project management, collaboration, and client interaction skills. This hands-on learning experience will allow students to take their passion for digital media to the next level. This course may be taken for multiple semesters.

Personal Finance**037100**

Grade(s): 10 - 12

Credit: ½ Personal Finance

Prerequisite: None

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

Web Design**037570**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

In this course, students will design and create websites using HTML, CSS, and JavaScript. Students will develop graphic design and coding skills in order to create websites that look professional and incorporate the latest web trends. An emphasis is placed on using the design thinking method to effectively communicate a message to a variety of audiences using the latest web standards.

Web Design 2 / Advanced Digital Media Lab**037500**

Grade(s): 10 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Web Design

This course is designed to provide continued digital media learning opportunities to students who have already mastered foundational skills through the completion of Web Design. Students enrolled in this course will engage in self-directed, personalized production activities as they work individually and in teams to create digital media products of their choosing. Students will have the opportunity to develop project management, collaboration, and client interaction skills. This hands-on learning experience will allow students to take their passion for digital media to the next level. This course may be taken for multiple semesters.

Business, Marketing and Information Technology Internship**037701 & 037702 (One Block)**

Grade(s): 12

037741 & 037742 (Two Blocks)

Credit: ½ - 2 Career & Technical Ed

Prerequisite: Concurrent enrollment in any business, marketing or information technology class and consent of coordinator. Minimum GPA of 2.0 required

This business, marketing and information technology internship opportunity is a collaborative learning experience between you, a company or organization, and your high school. In this program, you will work for the company and spend time researching and analyzing an industry. The internship program can offer valuable insight into a particular field. The internship program is a proven way to gain relevant knowledge, skills, and experience while establishing important connections in the field. This program can lead to increased levels of clarity when declaring a college major or pursuing work after high school. In-house internships are also available, and include managing The Colt Cafe, running the Video Board, and pursuing other personalized career goals.

Occupational and Research Internship

996001 & 996002

Grade(s): 12

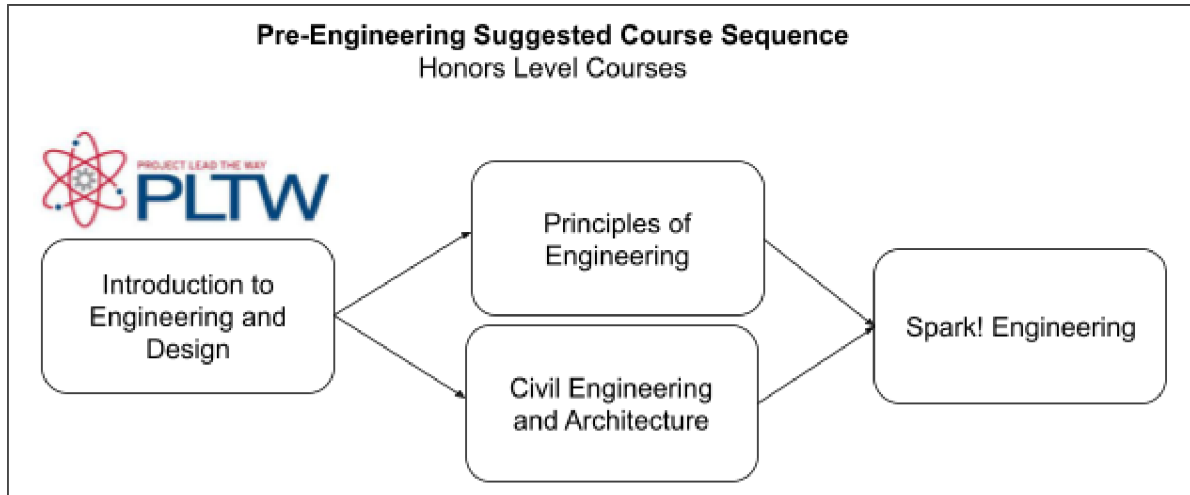
Credit: ½ - 1 Elective

Prerequisite: Senior standing, consent of coordinator, and minimum GPA of 2.5

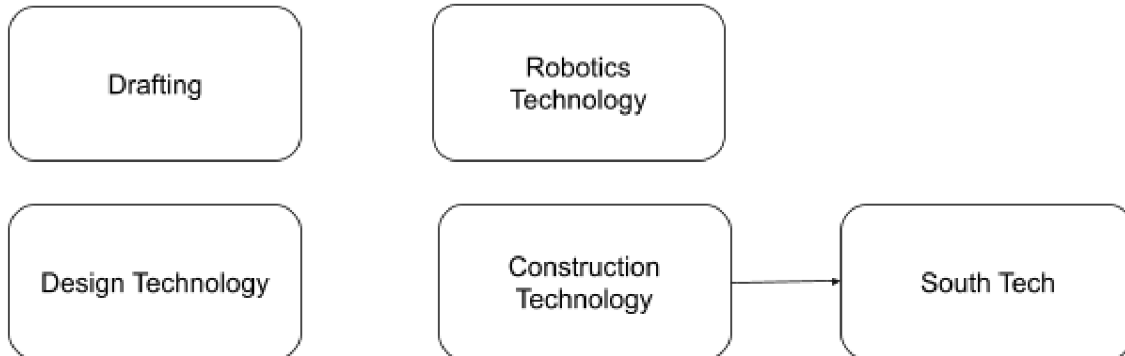
It is possible to earn up to one unit of elective credit by performing an internship in a particular occupation or participating in an approved research project. To qualify for the occupational program a student must coordinate, through the internship coordinator, a course of study that would involve on-site occupational observation and experiences. The experience must be challenging and worthwhile in a field where the student has a career interest.

ENGINEERING & TECHNOLOGY EDUCATION

The pre-engineering Program at Parkway Central is a sequence of courses, which follows a proven hands-on, real-world, problem-solving approach to learning. Students learn and apply the design process, acquire strong teamwork and communication proficiency and develop organizational, critical-thinking and problem-solving skills. They discover the answers to questions like how things are made and what processes go into creating products. Students acquire skills which will prepare them for today's high-tech, high-skill global economy.



Career Exploration Courses



Drafting**107070**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

Drafting is the universal language of industry, as it is used in technical fields such as architecture, electrical, machining, and mechanical. In this course, students will become familiar with the fundamentals of drafting and the significance it has in our present way of life. Areas to be covered include sketching, mechanical drawing, pictorials, views of objects, and dimensioning. Students will use conventional techniques and/or CAD to complete drawings.

Design and Technology 1**107120**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

This is the first course in a two semester sequence of courses that provides opportunities for students to explore technologies in communications, design engineering, power, energy and transportation. Students will explore the fundamentals of Computer Aided Design Software and its application in the design process. Students will develop the necessary skills in design and problem solving to enable them to undertake a variety of problem solving and design tasks.

Construction Technology**107500**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

Students will study the construction industry and methods used in construction. The major areas of investigation in the course are planning, designing and constructing the project. Students will know how a building is constructed from the beginning planning to the completion of roof and interior. Installation of mechanical systems, electrical systems, plumbing systems, and other systems will be studied. Many activities will be incorporated to demonstrate and reinforce the lessons. Students interested in engineering, architecture, and building trades careers may find this course of great benefit. Students may be asked to purchase consumables

Robotics Technology**107680**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

The field of robotics requires a working knowledge of electronics, mechanics and software. It is usually accompanied by a large working knowledge of many subjects. Focusing on mobile robots and using a hands-on, collaborative approach, students will be introduced to the basic concepts/systems, terminology, and programming involved in robotics. This course will be of specific interest to students interested in applications of electronics, computer science, and physics

Honors Introduction to Engineering Design***108711 & 108712***

Grade(s): 9 - 12

Credit: 1 Career & Technical Ed

Prerequisite: None

This honors course develops students' problem-solving skills, with emphasis on visualization and communication skills, using a computer and 3-D solid modeling software. The student will learn to combine models into assemblies and animate the new assembled model in order to assess operation in a practical representation. Students will also learn how to import or convert the model for visual presentation or fabrication/prototyping possibilities. This course is part of the Project Lead the Way Pathways to Engineering Program. Students can receive 3 semester hours of transcribed college credit. A weighted grade is given for this course.

Honors Principles of Engineering***108751 & 108752***

Grade(s): 10 - 12

Credit: 1 Career & Technical Ed

Prerequisite: Geometry

This honors course is designed to be a broad-based survey course that will help students understand engineering, engineering technology and identify career possibilities. Theoretical and hands-on problem-solving activities are emphasized. In this course, the students will be able to understand 3-D modeling and general engineering design principles, mechanical assembly and design, electronic control circuits, statics, properties of materials, and engineering job opportunities. This course is part of the Project Lead the Way Pathways to Engineering Program. Students can receive 3 semester hours of transcribed college credit. A weighted grade is given for this course.

Honors Civil Engineering & Architecture***108201 & 108202***

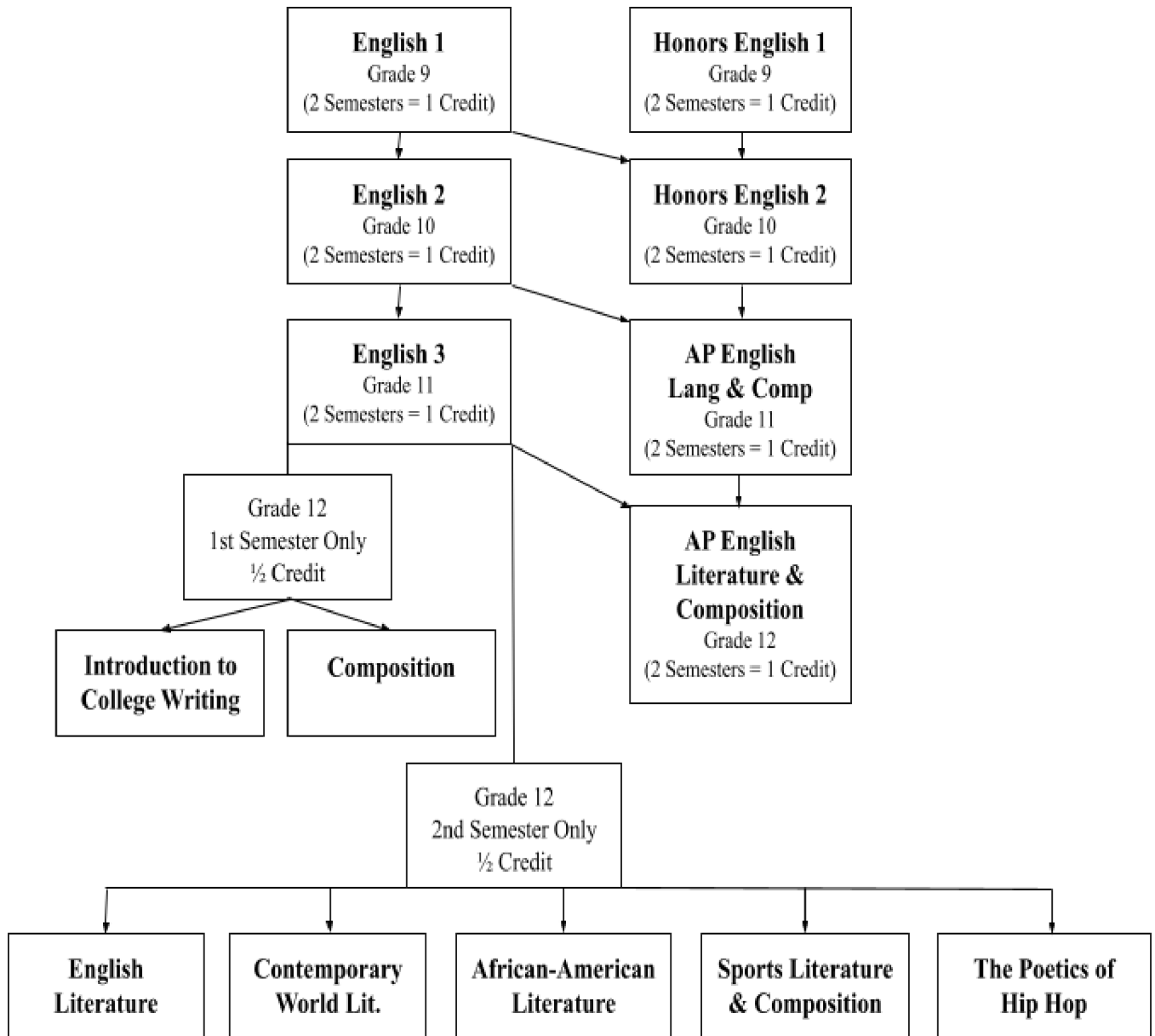
Grade(s): 10 - 12

Credit: 1 Career & Technical Ed

Prerequisite: Introduction to Engineering Design, Drafting, or teacher approval

This honors course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as: The Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, and Project Documentation and Presentation. A weighted grade is given for this course.

ENGLISH LANGUAGE ARTS



English 1**057011 & 057012**

Grade(s): 9

Credit: 1 English

Prerequisite: None

In this course, students will read and study a variety of genres connected by powerful themes in the world. Genres will include short story, storytelling, poetry, spoken word and other performance literature, novels, and non-fiction. Students will grow their reading stamina and comprehension and analysis skills, and make personal and global connections within and across texts. Students will approach texts as a reader and a writer. As writers, students in this course will strengthen the craft of writing, focusing on meaningful processes of topic and evidence exploration, matching organization structures or forms to audience and purpose. Students will practice effective communication skills in writing, audio composition, speaking, collaborating, and listening.

Honors English 1**058011 & 058012**

Grade(s): 9

Credit: 1 English

Prerequisite: Department Recommendation

In this course, students will read and study a variety of genres connected by powerful themes in the world. Genres will include short story, storytelling, poetry, spoken word and other performance literature, novels, and non-fiction. Students will grow their reading stamina and comprehension and analysis skills, and make personal and global connections within and across texts. Students will approach texts as a reader and a writer. As writers, students in this course will strengthen the craft of writing, focusing on meaningful processes of topic and evidence exploration, matching organization structures or forms to audience and purpose. Students will practice effective communication skills in writing, audio composition, speaking, collaborating, and listening. It is designed for the student who has an exceptional interest in language arts, desires an accelerated language arts program, or intends to take advanced placement courses in English. A weighted grade is given.

English 2**057021 & 057022**

Grade(s): 10

Credit: 1 English

Prerequisite: Students must have passed at least one semester of English 1

In this course, students will read and study literature that represents multiple perspectives. Genres will include memoir, poetry, short story, performance literature, narrative nonfiction, and novels. Goals include broadening the student's reading life, increasing reading stamina, deepening analysis skills across and within text, and making connections between the world and others. Composition continues to focus on improving the craft of writing, and growing each student's independent skills as a writer with authentic writing tasks that blend writing modes to best match audience, purpose, and style in creative writing, academic writing, research, and digital composition. The Missouri English 2 End of Course (EOC) Assessment is given at the conclusion of this course.

Honors English 2**058021 & 058022**

Grade(s): 10

Credit: 1 English

Prerequisite: English 1 and Department Recommendation

In this course, students will read and study literature that represents multiple perspectives. Genres will include memoir, poetry, short story, performance literature, narrative nonfiction, and novels. Goals include broadening the student's reading life, increasing reading stamina, deepening analysis skills across and within text, and making connections between the world and others. Composition continues to focus on improving the craft of writing, and growing each student's independent skills as a writer with authentic writing tasks that blend writing modes to best match audience, purpose, and style in creative writing, academic writing, research, and digital composition. It is designed for the student who has an exceptional interest in language arts, desires an accelerated language arts program, or intends to take advanced placement courses in English. A weighted grade is given. The Missouri English 2 End of Course (EOC) Assessment is given at the conclusion of this course.

English 3**057031 & 057032**

Grade(s): 11

Credit: 1 English

Prerequisite: Students must have passed at least one semester of English 2

This course focuses on the variety of ways the American dream and identity has evolved for different groups of people over time, as presented in the novels, plays, essays, poetry, and short stories of American writers. Emphasis is placed on development of the student as a critical reader and intentional writer. Students continue to develop their composition, rhetoric, research, critical thinking, vocabulary, communication, and study skills.

AP English Language and Composition**059201 & 059202**

Grade(s): 11

Credit: 1 English

Prerequisite: English 2 and Department Recommendation

AP English Language and Composition offers students a college-level course experience. It helps students strengthen the effectiveness of their writing through close reading and frequent practice at applying nuances of style and rhetorical strategies in a variety of modes. American Literature and a variety of non-fiction texts provide models of rhetorical strategies, opportunities for synthesis and analysis, and additional preparation for success in the senior year college-level AP English Literature and Composition course. This course prepares students for the AP English Language and Composition exam, which offers the opportunity to earn college credit through the AP examination. Students may also earn college credit through the University of Missouri – St. Louis if the student has applied, has registered, and has a cumulative GPA of 3.0 or above. A weighted grade is given.

Composition**057200**

Grade(s): 12

Credit: ½ English

Prerequisite: Senior standing, English 3 and Department Recommendation

Composition is a college-preparatory course dealing extensively with the organization and style of the various kinds of essays and term papers that the student will be expected to write in his college career. A knowledge of basic essay structures and components, the foundations of grammar, and previous success as a writer are necessary. Writing assignments will be based on literature, social studies, current events, and controversial issues. College credit may be earned through the University of Missouri at St. Louis if the student has applied, has registered, and has a cumulative GPA of 3.0 or above.

Introduction to College Writing**057120**

Grade(s): 12

Credit: ½ English

Prerequisite: English 3 and Department Recommendation

This course is designed for college-bound seniors, as well as students preparing to enter a technical or business career after graduation. The course will focus on the elements of clear writing, well-organized expository essays, and critical thinking skills necessary for both expository writing and analytical reading. In addition, this course includes a review of the principles of grammar. The goals of the course are to prepare college-bound students to write acceptable college-level expository essays; familiarize career students with technical and business writing; familiarize all students with the writing skills valuable in their everyday experience; and make students aware of the way language functions and affects their lives.

English Literature**057050**

Grade(s): 12

Credit: ½ English

Prerequisite: English 3

In this college-preparatory course of English literature, also commonly known as British literature, students are expected to understand important values and concepts in varied works of English origin across a wide span of time. Certain major authors selected for reading may include Chaucer, Shakespeare, Swift, Dickens, Shaw, Greene, and others. Since major essays in both interpretive and comparative forms are assigned, students should have good writing skills.

Contemporary World Literature**057090**

Grade(s): 12

Credit: ½ English

Prerequisite: English 3

Contemporary World Literature examines the ways in which contemporary literature from around the world offers outstanding literary models that transcend the boundaries of nation and language. Students engage with works from a variety of genres that are either written in English or translated to English from other languages. In addition to well-known world authors, the course will also cover less-known and / or emerging authors. The comparative framework of this class will prompt students to reflect on a vast array of themes related to contemporary global culture, to expand students' literary landscape, and to enhance their capacity for critical thinking.

African-American Literature - A Survey Course**057490**

Grade(s): 12

Credit: ½ English

Prerequisite: English 3

African-American Literature traces the history and development of the Black writer in America from the beginning of slavery to the present day. The course is recommended for students interested in becoming familiar with the origins, content, and techniques of African-American authors. The range of study stretches from the origins in ancient Africa to the transformation into the American idiom and the development and establishment of African-American literature as a distinct yet integral component of the American experience.

AP English Literature and Composition

059041 & 059042

Grade(s): 12

Credit: 1 English

Prerequisite: English 3 and Department Recommendation

AP English Literature and Composition offers students a college-level experience. This course covers literature that is wide-ranging (classical, contemporary, and worldwide) and is representative of all literary genres, from satire to comedy and from tragedy to the epic. The emphasis in the course is on reading and writing and analytical interpretation; it is presumed that the student is familiar with writing critical essays. This course prepares students for the AP English Literature and Composition exam, which offers the opportunity to earn college credit through the AP examination. Students may also earn college credit through the University of Missouri – St. Louis if the student has applied, has registered, and has a cumulative GPA of 3.0 or above. A weighted grade is given.

Creative Writing 1

057130

Grade(s): 11 - 12

Credit: ½ English

Prerequisite: B average in English and/or Department Recommendation

The goal of this course is to encourage and nurture the student's innate creativity. Students will study techniques used by professional writers and will be motivated with enticing writing activities designed to help them improve their skills while experiencing the pleasure of success. Writing may include a play, a short story, in addition to many poems and personal narratives. The exhibition of students' work produced in this class will be in the school's creative writing magazine.

Advanced Creative Writing

057190

Grade(s): 11 - 12

Credit: ½ English

Prerequisite: Creative Writing 1 and/or Department Recommendation

This course is offered to students who are interested in reading literature and in writing imaginatively. Students study proven works and use them as inspiration and as models. Students write short stories concentrating on different points of view, various methods of characterization, and unusual development of plot. In poetry, students work both in free verse and in specific poetic forms, with emphasis on the use of metaphor.

Sports Literature and Composition

057890

Grade(s): 12

Credit: ½ English

Prerequisite: English 3

Sports Literature is an English Language Arts class that will examine the unique relationship between sports and society through literature by contemporary authors, columnists and other media. Students will read high-interest and thought-provoking texts including informational text, poetry, biographies, and commentary. Students will write a weekly sports column and research the history of how sports and social issues connect.

The Poetics of Hip Hop

057920

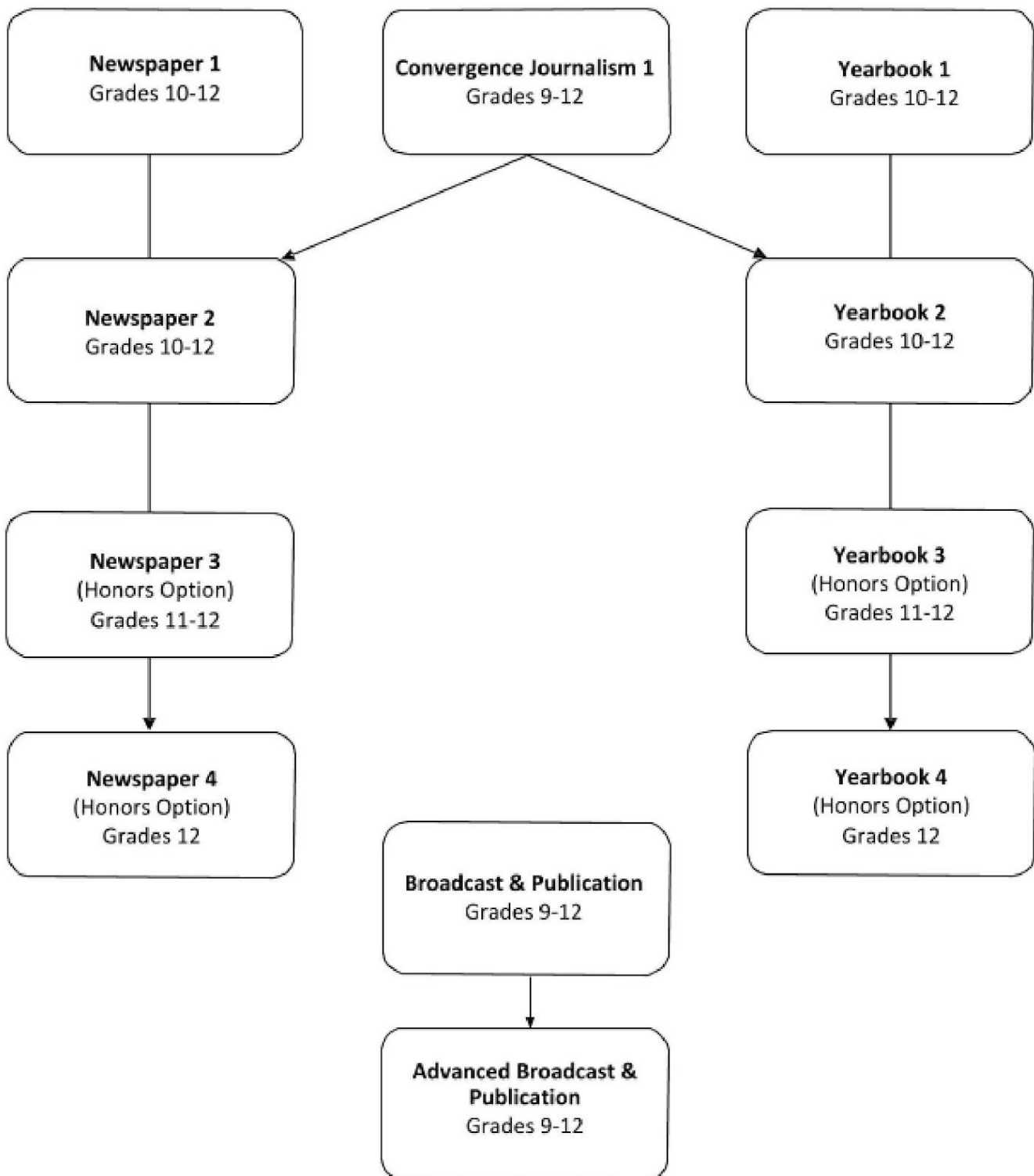
Grade(s): 12

Credit: ½ English

Prerequisite: English 3

Professor Adam Bradley once said “every rap song is a poem waiting to be performed.” The Poetics of Hip-Hop, a semester-long English elective class, will investigate this quote. Throughout the course, students will approach rap/hip-hop music through the lens of an English scholar, exploring rhyme, meter, rhythm, storytelling, and various other tools that fuel classical literature studies. Students in this class will also read traditional texts such as essays and poetry to better fuel our understanding of contemporary lyrics. Not a class for students who simply “like rap music,” this course will continue the rigor and skills learned in previous English classes such as close reading, critical thinking, literary analysis, research, essay / digital compositions, and more. NOTE: given the nature of the course materials, students will be studying texts that have been labeled as “parental advisory” by the RIAA.

ENGLISH LANGUAGE ARTS - JOURNALISM



Convergence Journalism**057300**

Grade(s): 9 - 12

Credit: ½ Elective

Prerequisite: None

Students will learn basic journalism skills necessary to be successful in Newspaper and Yearbook. Curriculum includes, but is not limited to, vocabulary, writing, editing, layout/design, desktop publishing, photojournalism, the use of different software programs, and online journalism. Writing will focus on news writing, feature writing, sports writing, and editorial writing.

Newspaper 1**057311 & 057312**

Grade(s): 10 - 12

Credit: 1 Career & Technical Ed

Prerequisite: Convergence Journalism 1 or recommendation of journalism teacher after application by student

Following an initial training period, students enrolled in Newspaper 1 assist in the production of the school newspaper, which prints three to four times per semester. Staff members write news, features, sports and editorials and gain experience in designing pages, providing photographic coverage and selling ads. Students will also learn to publish stories through the online platform.

Newspaper 2**057321 & 057322**

Grade(s): 10 - 12

Credit: 1 Career & Technical Ed

Prerequisite: Newspaper 1 or Convergence Journalism (see flow chart)

This course concentrates on continued emphasis of quality standards in newspaper writing and production. Instruction grows from the production of the newspaper, including sophistication of writing and design, photography and continued examination of current issues related to scholastic and professional journalism. Students may apply for an editorial position. Those in editorial positions will learn coaching/mentoring strategies to employ with less experienced students.

Newspaper 3 (Honors Option)**057331 & 057332**

Grade(s): 11 - 12

Credit: 1 Career & Technical Ed

Prerequisite: Newspaper 2 (recommended C or better)

This advanced course is designed for the student who wants to conduct in-depth studies in journalism and play an increasing role in the production of the newspaper. Students will explore journalism law and ethics and online journalism, in addition to assuming editorial positions. Upon successful completion of additional expectations, an honors grade may be earned.

Newspaper 4 (Honors Option)**057341 & 057342**

Grade(s): 12

Credit: 1 Career & Technical Ed

Prerequisite: Newspaper 3 (recommended C or better)

This is an advanced course for students who wish to continue their in-depth study of journalism. Students will assume editorial roles and mentor new staff members. Students will explore news for coverage and possible changes in overall design of the publication as well as an in-depth study of other publications. Upon successful completion of additional expectations, an honors grade may be earned.

Yearbook 1**057411 & 057412**

Grade(s): 10 -12

Credit: 1 Career & Technical Ed

Prerequisite: Convergence Journalism recommended or recommendation of journalism teacher after application by student

This course introduces students to yearbook production. Students will conduct interviews, write stories, captions, create original graphic designs and layouts, take pictures, and participate in production of the school yearbook. Students will begin the exploration of scholastic journalism and the law. They will also learn how to publish through the online platform.

Yearbook 2**057421 & 057422**

Grade(s): 10-12

Credit: 1 Career & Technical Ed

Prerequisite: Convergence Journalism or Yearbook 1 (see flow chart)

This course concentrates on continued emphasis of quality standards in yearbook production including enhancement of writing and layout skills, use of software and camera operation, including digital equipment, and the study of scholastic and professional journalism. Students may apply for an editorial position. Those in editorial positions will learn coaching/mentoring strategies to employ with less experienced students. Students will learn advertising and public relations through social media.

Yearbook 3 (Honors Option)**057431 & 057432**

Grade(s): 11-12

Credit: 1 Career & Technical Ed

Prerequisite: Yearbook 2 (recommended C or better)

This advanced course is designed for the student who wants to conduct in-depth studies in journalism and play an increasing role in the production of the yearbook. Students will explore journalism law, ethics and magazine journalism, in addition to assuming editorial positions on the yearbook. Upon successful completion of additional expectations, an honors grade may be earned.

Yearbook 4 (Honors Option)**057441 & 057442**

Grade(s): 12

Credit: 1 Career & Technical Ed

Prerequisite: Yearbook 3 (recommended C or better)

This advanced course is for students who wish to continue their in-depth study of journalism. In addition to assuming editorial roles and mentoring new staff members, students will explore new ideas for coverage and possible changes in overall design of the publication as well as an in-depth study of other publications. Upon successful completion of additional expectations, an honors grade may be earned.

Broadcast & Production**057700**

Grade(s): 9 - 12

Credit: ½ Elective

Prerequisite: None

This course features instruction in current techniques of video and audio production. Included in the course are storyboarding for news, feature, and creative projects, videography, video/audio editing and team and individual broadcasting projects and production. Students discover how podcasts and visual media influence people. Students will learn how to create a professional website portfolio.

Advanced Broadcast & Production

057650

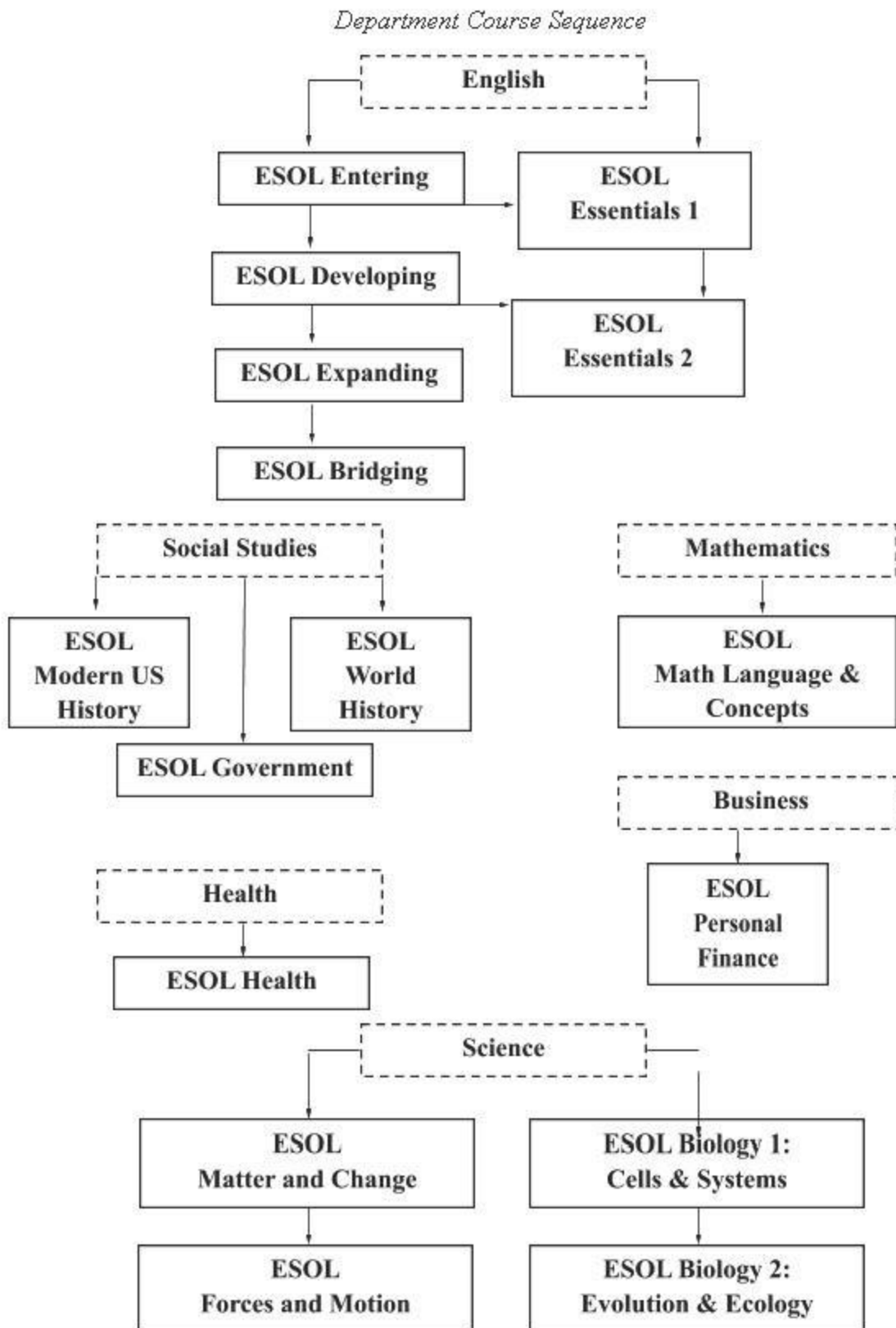
Grade(s): 9 - 12

Credit: ½ Elective

Prerequisite: Broadcast & Production and approval of the instructor

Students will need to have an understanding of delivery skills as well as video filming and editing. Students will have the opportunity to write, direct, edit and produce audio and video projects. Students will also have the opportunity to work on lighting, scenery, sound editing and scriptwriting. Students may complete Advanced Broadcasting multiple semesters for credit; their role within the broadcasting team will change as their class experience increases. Leadership roles are available. Students can repeat this course.

ENGLISH LANGUAGE LEARNERS (ELL)



ESOL Entering (formerly ESOL Level 1)**052911 & 052912**

Grade(s): 9 - 12

Credit: 2 English

Prerequisite: Instructor Approval

This course is designed for students who have limited English proficiency. Emphasis is placed on acquiring skills in listening, reading, speaking and writing. This intensive instruction in a supportive and non-threatening environment helps students learn English quickly and allows ELLs to make necessary academic and social adjustments. Emphasis is placed on speaking skills to allow students to progress from word level to the sentence level, and from the sentence level to paragraph level. Placement in this class is determined by WAPT/ACCESS scores and ESOL staff recommendation.

ESOL Developing (formerly ESOL Level 2)**052921 & 052922**

Grade(s): 9 – 12

Credit: 2 English

Prerequisite: Instructor Approval

This course is designed for students who have intermediate English proficiency. English language skills are developed and refined in this course. Reading skills progress from reading for specific information to reading for meaning and from there, to reading for enjoyment. Writing is used to strengthen the other skill areas and students compose, revise and edit a variety of texts. Students will listen to English from a variety of sources, for many different purposes and in a variety of contexts. Placement in this class is determined by WAPT/ACCESS scores and ESOL staff recommendation.

ESOL Expanding (formerly ESOL Level 3)**052931 & 052932**

Grade(s): 9 – 12

Credit: 1 English

Prerequisite: Instructor Approval

English Language Learners who are progressing into high intermediate proficiency levels, but still need to strengthen their skills to prepare for regular English classes need to enroll in this course. Emphasis is placed on improving grade-level reading, writing satisfactory essays, and improving foundations for writing. Placement in this class is determined by WAPT/ACCESS scores and ESOL staff recommendation.

ESOL Bridging (formerly ESOL Level 4)**052941 & 052942**

Grade(s): 9 – 12

Credit: 1 English

Prerequisite: Instructor Approval

English Language Learners who are in advanced proficiency levels, but still need to strengthen their skills to prepare for regular English classes need to enroll in this course. Emphasis is placed on improving grade-level reading, writing satisfactory essays, and improving foundations for writing. Placement in this class is determined by WAPT/ACCESS scores and ESOL staff recommendation.

ESOL Essentials 1***052951 & 052952***

Grade(s): 9 – 12

Credit: 2 English

Prerequisite: Instructor Approval

This course is designed for students who have limited English proficiency. Emphasis is placed on acquiring skills in listening, reading, speaking and writing. This intensive instruction in a supportive and non-threatening environment helps students learn English quickly and allows ELLs to make necessary academic and social adjustments. Placement in this class is determined by WAPT/ACCESS scores and ESOL staff recommendation.

ESOL Essentials 2***052971 & 052972***

Grade(s): 9 – 12

Credit: 1 English

Prerequisite: Instructor Approval

English Language Learners who are progressing into advanced proficiency levels, but still need to strengthen their skills to prepare for regular English classes need to enroll in this course. Emphasis is placed on improving grade level reading, writing satisfactory essays, and improving foundations for writing a formal research paper. Placement in this class is determined by WAPT/ACCESS scores and ESOL staff recommendation.

ESOL Modern US History***152001 & 152002***

Grade(s): 9 – 12

Credit: 1 Social Studies

Prerequisite: Instructor Approval

This course is for students who are learning English as a new language. This course begins with exploration/discovery and proceeds with the study of early American History to the post-Civil War era. It continues with the study of domestic and foreign events which brought the United States to world power in the 1900's, the world wars, and the changing role of the United States in modern post-war era.

ESOL World History***152011 & 152012***

Grade(s): 9 – 12

Credit: 1 Social Studies

Prerequisite: Instructor Approval

This course is for students who are learning English as a new language. This course traces the development of world history, especially western civilization, from its classical beginnings to the twentieth century by concentrating on the specific periods, persons, and events of greatest significance to western development. The course includes comparisons of past and present events as well as comparisons of western and non-western development so the student will have an understanding of the political, social, geographic, and economic status of several nations in the world today.

ESOL Government**152100**

Grade(s): 11 – 12

Credit: ½ Social Studies

Prerequisite: Instructor Approval

This required course is for students who are learning English as a new language. The history, institutions, branches, functions, electoral processes, and citizens' roles associated with the governments of the local area, the state of Missouri, and the United States are presented in this course. The course includes an emphasis on the rights, and responsibilities of citizenship (e.g., community service), as well as a study of the principles and provisions of the Missouri and United States Constitutions. The Constitution examinations and the course must be passed according to Missouri law for a student to receive a graduation certificate.

ESOL Matter & Change**132210**

Grade(s): 9 – 12

Credit: ½ Science

Prerequisite: Instructor Approval

This course is for students who are learning English as a new language. It is the first in the recommended sequence of chemistry courses. This semester course will include a study of physical and chemical changes, classification of matter, phase changes, atomic structure, the periodic table, and the history of chemistry. Safety in the laboratory, the scientific method, graphing and metric measurement will be an integral part of this laboratory intensive course.

ESOL Forces & Motion**132310**

Grade(s): 9 – 12

Credit: ½ Science

Prerequisite: Instructor Approval

This course is for students who are learning English as a new language. This is the second in the recommended sequence of physics courses. Laboratory safety, basic inquiry, problem-solving skills and graphing analysis will be an important part of this semester course that includes studies of nuclear energy, one-dimensional motion and forces, work and energy and simple machines.

ESOL Biology 1: Cells & Systems**132141**

Grade(s): 9 - 12

Credit: ½ Science

Prerequisite: Instructor Approval

This course is for students who are learning English as a new language. This first semester course has a theme of "Who Am I" and looks at scientific methods, human anatomy and physiology, cells and their environment, some aspects of cell division, biochemistry and disease. The topics will be presented through numerous laboratory activities, lectures and discussion, and will emphasize process and thinking skills.

ESOL Biology 2: Evolution & Ecology**132152**

Grade(s): 9 - 12

Credit: ½ Science

Prerequisite: Instructor Approval

This course is for students who are learning English as a new language. This second semester course follows ESOL Biology 1 and will resemble the standard curriculum theme “How is Life Interrelated?” Students will explore the nature of modern science.

ESOL Math Language and Concepts**112001 & 112002**

Grade(s): 9 – 12

Credit: 1 Math

Prerequisite: Instructor Approval

This course is for English Language Learners who need more background in the academic language of Math. In addition, this course is for English Language Learners who may not have previous instruction in Math concepts.

ESOL Health**072100**

Grade(s): 10 – 12

Credit: ½ Health

Prerequisite: Instructor Approval

This course is for students who are learning English as a new language. This comprehensive course includes the topics of Body Systems, Social Systems, Personal & Family Health/Human Sexuality, Nutrition Principles and Practices, Consumer Health, Life Management Skills, Disease Prevention & Control, Personal Safety & Injury Prevention, Tobacco, Alcohol & Other Drugs and Environmental Health.

ESOL Personal Finance**032100**

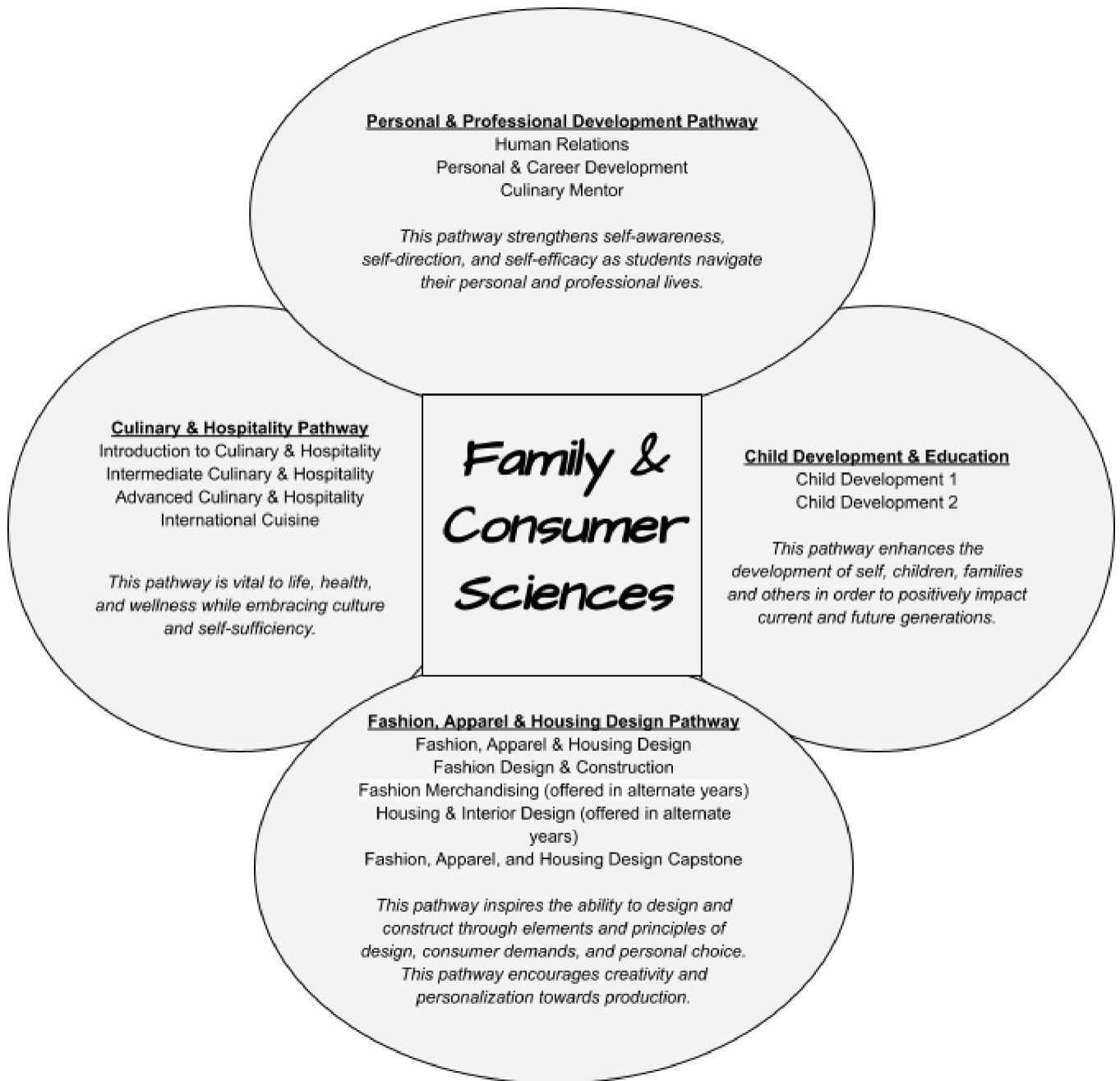
Grade(s): 9 – 12

Credit: ½ Personal Finance

Prerequisite: Instructor Approval

This course is for students who are learning English as a new language. This required, semester long course for students in grades 10-12 will provide a practical knowledge of personal finance. To plan for a secure financial future, students will gain insight into the different ways of managing, saving, and investing money. In addition, students will develop strategies for budgeting, purchasing, financial planning, banking, credit, renting, insurance and taxes.

FAMILY & CONSUMER SCIENCE (FACS)



Introduction to Culinary & Hospitality**097000**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

Have you ever wanted to learn more about cooking and the world of Hospitality...if so, this course is for you! Together with your classmates, we will dive into the basics of cooking, kitchen essentials, measuring, equipment, and kitchen and food safety. In addition, we will learn principles of baking, prepare healthy foods and a variety of other culinary skills along with the hospitality and culinary field. Students can take this class on its own or as part of a Culinary and Hospitality Pathway!

Intermediate Culinary & Hospitality**097020**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: passing grade in Introduction to Culinary & Hospitality

This second level lab-based class builds on skills learned in Culinary and Hospitality. It provides students with hands-on opportunities to prepare stocks, soups and sauces, salads, sandwiches and a variety of fruits and vegetables. Students will expand upon their knowledge of food safety, nutrition, and baking. Serving guests and Gold Star Service will be a focus of the semester and provide opportunities to serve others.

Advanced Culinary & Hospitality**097050**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: passing grade in Intermediate Culinary & Hospitality

This advanced hands-on course extends learning about safety and food preparation necessary to work in the culinary and hospitality industry. Students will cover units on meat, seafood and poultry, advanced nutrition, desserts and pastries, potatoes, grains and pasta. This course will allow for opportunities to explore careers in the hospitality pathway, compete in competitions collaboratively as a team, and help students prepare for a future in the industry.

Let's Cook Together**095950**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Counselor Approval

This course provides modified instruction for students with unique abilities in the area of culinary arts. Students will develop personal and social responsibility, as well as knowledge of and skills in the areas of nutrition, wellness, food safety, dining etiquette and culinary basics. Each student will be working together with general education mentors in grades 11 – 12 to increase competency and enjoyment in cooking and nutrition.

Culinary Mentor**097950**

Grade(s): 11 - 12

Credit: ½ Elective

Prerequisite: Credit earned in a culinary class

Culinary Mentor will give students an opportunity to improve their skills in mentoring others as they serve as assistants for students with physical and developmental disabilities who are enrolled in Let's Cook Together. Students will take on the role of "buddies" to provide leadership in a variety of culinary based activities and lab setting.

International Cuisine**097110**

Grade(s): 11 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Junior or Senior Standing

This course is designed to give students a better understanding and appreciation of countries and cultures of the world through the study of traditional foods and meal habits of each. Each country's history, geography, climate, religion and ethnic make-up will be studied. Food preparation skills and techniques unique to each country will be studied through kitchen laboratory experiences to help students gain an appreciation of cultural differences. Students interested in the study of cultures will benefit from this course and no prior food preparation experience is required to be successful

Fashion, Apparel, and Housing Design**097240**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

This course is designed to help individuals explore the fundamentals of fashion, apparel and housing design. Topics included are: the elements and principles of design, psychological and social roles of fashion, apparel and housing design, common fibers and fabrics in the textile industries, basic sewing techniques, exploration of architecture and floor planning, fashion design career exploration. Many projects allow opportunities for student individualization and choice. Self-initiative, motivation, time management, planning and independent work, following directions and evaluating are crucial skills in the course where art, communication, mathematics, science and technology are applied.

Fashion Design & Construction**097280**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Fashion, Apparel and Housing Design or Clothing 1

This course allows students to further develop their creativity and sewing skills learned in Fashion, Apparel, & Housing Design Fundamentals. Students will specialize in Fashion Design and Construction, work with more difficult fabrics and complete advanced construction techniques. Many projects allow opportunities for student individualization and choice. Self-initiative, motivation, time management, planning and independent work, following directions and evaluating are crucial skills in the course where art, communication, mathematics, science and technology are applied.

Housing and Interior Design**097550**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Fashion, Apparel Housing Design

This course will prepare students with the knowledge and skills to make decisions that will help them create a desirable living environment to meet individual and family needs. Human and environmental factors will be used as students gain knowledge of housing styles, costs, design and architecture. Through a variety of activities and projects, students will create floor plans and decorate rooms. This course is essential for personal use or career explorations.

Human Relations**097400**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

Learn to be your own best friend and to control the direction of your life. Human Relations will equip the student with knowledge and skills to improve relationships with oneself and others. Students will gain knowledge about family and personal relationships. Topics included are self-esteem, decision-making, communication, assertiveness, love, human sexuality, stress management, and coping with life situations such as alcoholism, depression, and social problems. The human sexuality unit will include information and discussions on reproduction, abstinence, contraception, teen pregnancy/prevention; STDs, including AIDS, abortion, and sex in the media.

Child Development 1**097420**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

This course prepares the student to work with children. The main units of study include becoming a child educator, prenatal development, childbirth, labor and delivery. Students will learn about a child's growth and development during the newborn, infant, toddler and preschool stages. Students will be given the opportunity to observe and interact with the preschooler through limited laboratory experiences. The unit on prenatal development will include reproduction, abstinence and contraception. Careers in the child development field will be discussed throughout the semester. Three hours of dual and articulated college credits are available to Child Development 1 & 2 students who maintain an A or B average in both courses.

Child Development 2**097430**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: Child Development 1

This second level course provides appreciation of child development principles. Included in this course is the observation of children as well as their physical, mental, emotional, and social growth and development. Students will be able to plan appropriate activities to be utilized in the Parkway Child Development Center. The many career opportunities related to children are also studied. Three hours of dual and articulated college credits are available to Child Development 1 & 2 students who maintain an A or B in both courses.

Personal & Career Development (formerly Career Management)**097460**

Grade(s): 9 - 12

Credit: ½ Career & Technical Ed

Prerequisite: None

FOCUS ON YOUR FUTURE is the target of this course in career development. It will give you opportunities to investigate your career pathway and provide a knowledge base from which to make your important career decisions. This class will include practical experiences such as aptitude tests, job and college applications, interviewing, resumes, student portfolios, career speakers and job shadowing.

Fashion, Apparel, and Housing Design Capstone

097270

Grades 9-12

Credit: ½ Career & Technical Ed

Prerequisite: 1.0 courses in Fashion, Apparel and Housing Design Pathway (Fashion, Apparel, and Housing Design, Fashion Design & Construction, Fashion Merchandising, Housing & Interior Design)

This course is designed to provide the student with knowledge at the various creative and business functions of the fashion and home goods industries. Students learn the dynamics of the industry including trending, textiles, designers the design process, production, promotion and visual merchandising. Students will develop a collection of apparel or home goods by utilizing sketching and or apparel/home good construction techniques, basic pattern-making/draping and an expansion of applied textiles knowledge. Self-initiative, motivation, time management, planning, following directions and evaluating are crucial skills in this course in which art, communication, mathematics, science and technology are applied.

FINE ARTS: MUSIC

Honors music grades may be earned by juniors and seniors in Concert Choir, Symphonic Band and Symphonic Orchestra, provided they fulfill the listed requirements. Students enrolled in the Honors program will be expected to perform in an exemplary manner in order to justify the additional grade point. The ensemble "H" grade will reflect an entire semester of intense individual study. The grade of "H" is an exception not a rule.

Preliminary Honors Requirements

1. Enroll in one of the ensembles listed above.
2. Earn a grade of "A" and a citizenship grade of "O" in that ensemble.
3. Submit an Honors repertoire contract signed by a private teacher or mentor by early October and early February.
4. Participate in a second school ensemble such as Jazz Band, Jazz Choir, a cappella, Pep Band, Honors Strings, Chamber Strings, etc.
5. Study privately outside of school or find a student or teacher mentor to supervise individual progress.

First Semester Requirements

1st Quarter

1. Audition: Audition for a major outside performing ensemble.
2. Or Perform: Perform a solo in the fall Honors solo recital.

2nd Quarter

1. Jury: Perform a solo jury for music faculty and receive a grade of B or above
2. Honors Research Paper: Write an original research paper on an approved topic
3. Audition: Audition for All-Suburban (band students) and All State Orchestra (eligible orchestra students)

Second Semester Requirements

3rd Quarter

1. Perform: Perform a solo jury at Solo and Ensemble Competition. If school solo category is filled, two ensembles may be substituted.

4th Quarter

1. Jury: Perform a solo jury for music faculty and receive a grade of B or above
2. Honors Research Paper: Write an original research paper on an approved topic.

Honors portfolios will include: jury videos, jury grade sheets, contracts, Honors papers, repertoire sheets, and others.

A detailed description of music ensemble Honors grade expectations, including jury and research paper descriptions can be found in the Music Department Ensemble Handbook at musicpch.com.

General Music – Piano**127610**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: None

This course is designed for beginning piano students. Students will become familiar with the keyboard and will learn to read notes and chord symbols. Personal headphones with an adaptor are required.

General Music - Piano 2**127620**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: Piano 1 or permission of instructor

This course is designed for students who have had some previous piano experience. Simple scales and chords will be presented along with the study of piano literature from every period of music history. Personal headphones with an adaptor are required.

General Music - Guitar**127630**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: None

In this Guitar course, introductory skills are taught for the acoustic (non-electric) guitar. Basic fundamentals of reading, music notation, rhythm, and chords are incorporated. Students will learn several styles of playing including folk, country, blues, and rock. Both finger picking and chording will be taught. Students may use their own acoustic guitar or make arrangements with the instructor for a school guitar.

General Music - Guitar 2**127640**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: Guitar or satisfactory completion of a proficiency exam before enrollment. See instructor.

In the Guitar 2 course, students will continue to study the basic styles of playing on the acoustic guitar, including classical, country, rock, and blues. Students will improve their playing technique, become more skilled at note reading, learn special chords and effects, and will understand how to use rhythmic and melodic patterns in improvisation. Students may use their own acoustic guitar or make arrangements with the instructor for a school guitar.

General Music - Strings**127300**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: None

Beginning strings class for students with varying levels of strings experience. Students can choose from violin, viola, cello or bass. This class is not for students who have taken orchestra through middle school. This is a non-performance class similar to guitar or piano. After this course, a student may be able to join an orchestra class. This is a semester class. School instruments will be available for in class use.

General Music - Introduction to Music Theory**127720**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: Permission of the instructor

Topics of study will include note recognition in all clefs, rhythm, all major, minor and modal scales, all key signatures, and interval recognition and dictation. Basic ear training and piano keyboard skills will be covered. The course is designed for the students with good basic solo skills on their instrument/voice and as an introduction to Music Theory. The course is designed to teach the student comprehensive theory skills beyond those partial skills learned in school ensembles or in private lessons.

AP Music Theory**129701 & 129702**

Grade(s): 10 - 12

Credit: 1 Fine Arts

Prerequisite: Permission of the instructor

Topics of study will include note recognition in all clefs, rhythm, all major, minor and modal scales, all key signatures, and interval recognition and dictation. Basic ear training and piano keyboard skills will be covered. The course is designed for the students with good performance skills on their instrument/voice, and as an introduction to Music Theory. The course is designed to teach the student comprehensive theory skills beyond those skills learned in school ensembles or in private lessons.

General Music – Music Technology**127770**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: None

Music Technology is designed to offer opportunities for students to develop a general understanding of music theory, composition, and music software within a computer lab environment. Students will practice creatively expressing musical thoughts and ideas through technology and will work on creating electronic scores and recording original melodies. Music is interfaced with computers and students learn rudimentary piano skills to enter music using the keyboards.

Band - Concert Band**127511 & 127512**

Grade(s): 9 - 12

Credit: 1 Fine Arts

Prerequisite: Previous instrumental experience and consent of the instructor. Audition may be required.

Concert Band consists of students who have had previous instrumental experience. Basic fundamentals of music, interpretation of performance styles, and musicianship are emphasized. Several concerts are presented each year. Members of the group are eligible to audition and participate with various other musical ensembles. Attendance is required for all performances and special rehearsals.

Band - Jazz Band**127521 & 127522**

Grade(s): 9 - 12

Credit: 1 Fine Arts

Prerequisite: Member of concert unit and/ or consent of instructor. Audition may be required.

Jazz Band is designed to give students an opportunity to develop group Jazz and Jazz related performance skills within a select instrumental ensemble. Individual improvisation, ensemble performance, and Jazz theory are emphasized. Instrumentation is flexible, but appropriate size and balance will be maintained in order to perform repertoire authentically and artistically. Bass, piano, and guitar players are encouraged to contact the instructor to determine if they qualify prior to enrollment. Attendance is required at all performances and special rehearsals.

Band - Symphonic Band (Honors Option)**127581 & 127582**

Grade(s): 9 - 12

Credit: 1 Fine Arts

Prerequisite: Previous instrumental experience and consent of the instructor; audition may be required.

Symphonic Band is designed for students who have achieved a high level of proficiency as performers through their previous musical experiences. Members of the Symphonic Band are automatically included in the Marching Band first semester and will participate in an active fall marching season. Through many performance opportunities students will be introduced to a wide variety of quality band literature representing many styles and historical periods. Musicianship, listening, interpretive and reading skills will be refined and individual responsibility within the ensemble emphasized. Symphonic Band students are eligible to audition and participate with the orchestra, the Jazz band and with various small ensembles. Attendance is required for all performances and special rehearsals, including a pre-school camp. An Honors grade may be earned (juniors and seniors only).

Orchestra - Concert Orchestra**127411 & 127412**

Grade(s): 9 – 12

Credit: 1 Fine Arts

Prerequisite: Previous instrumental experience and audition for the instructor.

Concert Orchestra gives the student an opportunity to develop individual and ensemble musical expression. Skills taught include advanced bowing technique, left-hand technique including high-position patterns, ensemble playing, and improved sight-reading. Students learn how to musically interpret a variety of styles as they are introduced to standard orchestral literature from classical to popular music. Attendance is required for all performances and special rehearsals.

Orchestra - Concert Orchestra 2**127421 & 127422**

Grade(s): 9 – 12

Credit: 1 Fine Arts

Prerequisite: Previous instrumental experience and audition for the instructor.

Concert Orchestra 2 gives the student an opportunity to continue to develop individual and ensemble musical expression and expand playing technique and concepts introduced in Concert Orchestra 1. Skills are improved in bowing technique, left-hand technique, including high-position patterns, ensemble playing, and sight-reading ability. Knowledge of style and musical interpretation increases as students perform standard orchestral literature from classical to popular music. Attendance is required for all performances and special rehearsals.

Orchestra - Symphonic Orchestra (Honors Option)**127441 & 127442**

Grade(s): 9 - 12

Credit: 1 Fine Arts

Prerequisite: Previous instrumental experience and audition for the instructor.

Symphonic Orchestra is the most advanced school orchestra and one of the major performing ensembles representing the school. Membership is based on a high level of string instrument playing ability, prior orchestral experience, sight reading skills, and overall ensemble skills. Students will be selected by audition only. Members will be added to maintain a balanced orchestral instrumentation. Brass, woodwind, and percussion students enrolled in Symphonic Band are selected for full orchestra experiences. The ensemble will study and perform repertoire chosen from a wide variety of all historical periods stressing tone quality, musicianship, and interpretation of various styles. This group offers the student many performance opportunities at school, off-campus, and at festivals. Members of Symphonic Orchestra are eligible to audition for such honor groups as All-Suburban Orchestra and All-State Orchestra as well as various small ensembles. Attendance is required for all performances and special rehearsals. An Honors grade may be earned (juniors and seniors only).

Vocal - Chorus**127001 & 127002**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: None

The Chorus is open to anyone who enjoys singing. No previous singing experience is required. The class enables the student to improve their singing skills with an emphasis on understanding and enjoying music. Various concerts are presented throughout the year. Attendance is required for all performances and special rehearsals.

Vocal - Concert Chorale**127041 & 127042**

Grade(s): 9 - 12

Credit: 1 Fine Arts

Prerequisite: Audition

The Concert Chorale is a performing ensemble selected by individual audition. Designed for students with previous singing experience, this class emphasizes the improvement of vocal production, music reading skills, and general musicianship. Chorale members perform in several concerts and have the opportunity to participate in the St. Louis Suburban Choirs and Festival for solos and ensembles. If enrollment warrants, the choir may be divided into separate sections. Attendance is required for all performances and special rehearsals.

Vocal - Chamber Choir**127061 & 127062**

Grade(s): 10 - 12

Credit: 1 Fine Arts

Prerequisite: Audition and recommendation of previous director

The Chamber Choir is a select performing ensemble. Emphasis is placed on the improvement of vocal production, music reading skills, and general musicianship through the study of advanced choral literature and techniques. Choir members perform in several concerts and have the opportunity to participate in the St. Louis Suburban Choir and Festival for solos and ensembles. If enrollment warrants, the choir may be divided into separate sections. Attendance is required for all performances and special rehearsals.

Vocal - Jazz Choir

127151 & 127152

Grade(s): 10 – 12

Credit: 1 Fine Arts

Prerequisite: Audition and concurrent enrollment in concert unit

Jazz Choir is a small select ensemble, which specializes in the performance of popular styles of vocal music. For the audition, considerations will include vocal style, movement, and stage presence. Many performances are given off-campus, which require time in addition to normal class work. Attendance is required for all performances and special rehearsals.

Vocal - Concert Choir Mixed (Honors Option)

127171 & 127172

Grade(s): 11 - 12

Credit: 1 Fine Arts

Prerequisite: Audition

The Concert Choir is a major performing ensemble chosen by individual audition. Emphasis is placed on the improvement of vocal production, music reading skills, and general musicianship through the study of advanced choral literature and techniques. Choir members perform in several concerts with other ensembles; participate in competitions and festivals and present off-campus concerts. Students who sing in this choir are eligible to audition for the Missouri All-State Choir, the Missouri Honors Choir and the St. Louis Suburban Choir. Attendance is required for all performances and special rehearsals. An Honors grade may be earned (juniors and seniors only).

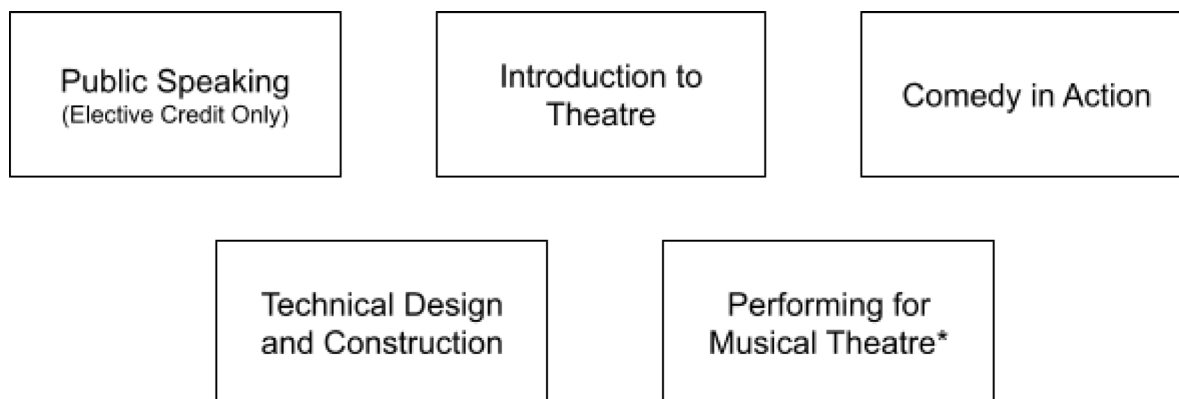
FINE ARTS: THEATRE

Theatre is a life-changing experience. Activities within this discipline demand that learners observe, imagine, organize, communicate, solve problems and evaluate. While some students will demonstrate special talent and should be encouraged to pursue a related career, all students need to develop their internal and external resources, to explore and develop their creative potential, to know and experience the social and historical context in which they live, and to expand their critical thinking skills through interpersonal and intrapersonal communications.

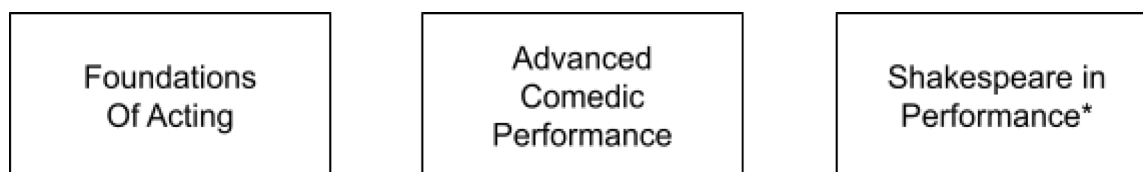
Below is the suggested course sequence which a student should follow to gain the most out of the PCH Theatre curriculum and related activities. Students without any theatre training may be better suited for the Theatre Arts class and then move on.

SUGGESTED THEATRE COURSE SEQUENCE

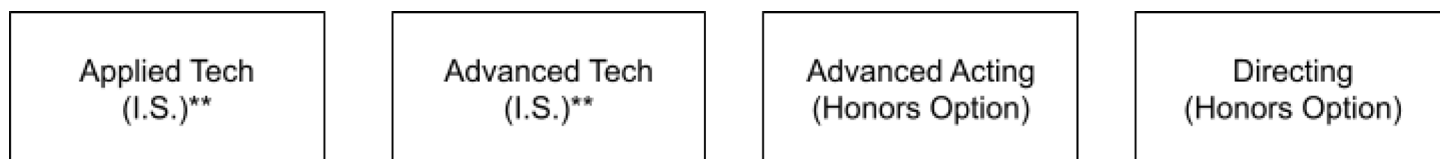
Level 1: Beginning courses; no prerequisites



Level 2: Intermediate courses; require prerequisite or teacher recommendation



Level 3: Advanced courses; require prerequisite or teacher recommendation



*Offered every other year

**I.S. = Independent Study

Public Speaking**057630**

Grade(s): 9 - 12

Credit: ½ Elective

Prerequisite: None

Public Speaking builds confidence and poise. Students present a wide variety of speeches in an informal classroom atmosphere. Self-expression through speaking, listening, and critical thinking is emphasized. Evaluation is based on performance, criticism and reflection.

Introduction to Theatre**057720**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: None

An introductory course to the world of theatre. This class will cover aspects of the theatre, including the play, the actor, and the audience. Group and individual performances and projects will be used to develop skills necessary for theatre. Students should expect minimal homework.

Comedy in Action**057730**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: None

This course will introduce students to the art of performing comedy. Students will perform in scripted and original works using a variety of forms which may include: improv, sketch and stand up comedy. Students should expect minimal memorization and homework.

Advanced Comedic Performance**057740**

Grade(s): 11 - 12

Credit: ½ Fine Arts

Prerequisite: Grade of B or better in Comedy in Action

This course is meant to build on skills learned in Comedy in Action and will offer additional opportunities to showcase these in a public performance created and produced by the class which may include: Long Form Improvisation, Devised Theatre, Solo Performance, and Sketch Comedy. Students should expect some memorization and minimal homework.

Performing for Musical Theatre**127730**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: None

This course will introduce students to the performance techniques of musical theatre, including vocal, acting and dance. Students will participate in performances of musical theater scenes and songs. Students should expect some homework and performance outside of class time. This course is offered during even school years opposite of *Shakespeare in Performance*.

Shakespeare in Performance**057830**

Grade(s): 10 - 12

Credit: ½ Fine Arts

Prerequisite: 9th Grade English

This course is designed for the student interested in performing the works of Shakespeare. Students will use improvisation, scene work and monologues in performance and actually try their hand at stage combat and fencing! Elizabethan acting and production style will also be studied. Students should expect some memorization and homework. This course is offered during odd school years opposite of *Performing for Musical Theatre*.

Foundations of Acting**057800**

Grade(s): 10 - 12

Credit: ½ Fine Arts Credit

Prerequisite: Introduction to Theatre or permission of instructor

This course will introduce the use of characterization, movement, and analysis through contemporary monologues and scenes. Students will become more comfortable analyzing, memorizing and performing for an audience. Students should expect some homework and preparation outside of class time.

Advanced Acting (Honors Option)**057810**

Grade(s): 10 - 12

Credit: ½ Fine Arts

Prerequisite: Grade of C or better Foundations of Acting

This course will explore different methods and styles of acting, using classical monologues and scenes. Students will develop advanced acting techniques through analysis, historical research and critical thinking. Memorization is required. Students should expect some homework and preparation outside of class time.

Technical Design and Construction**057760**

Grade(s): 9 - 12

Credit: ½ Fine Arts

Prerequisite: None

This course will cover areas of technical theatre design & construction which may include: scenic, lighting, sound, properties and costume/makeup elements. Students should expect homework. Additional after school and/or evening hours may also be required.

Directing (Honors Option)**057820**

Grade(s): 12

Credit: ½ Fine Arts

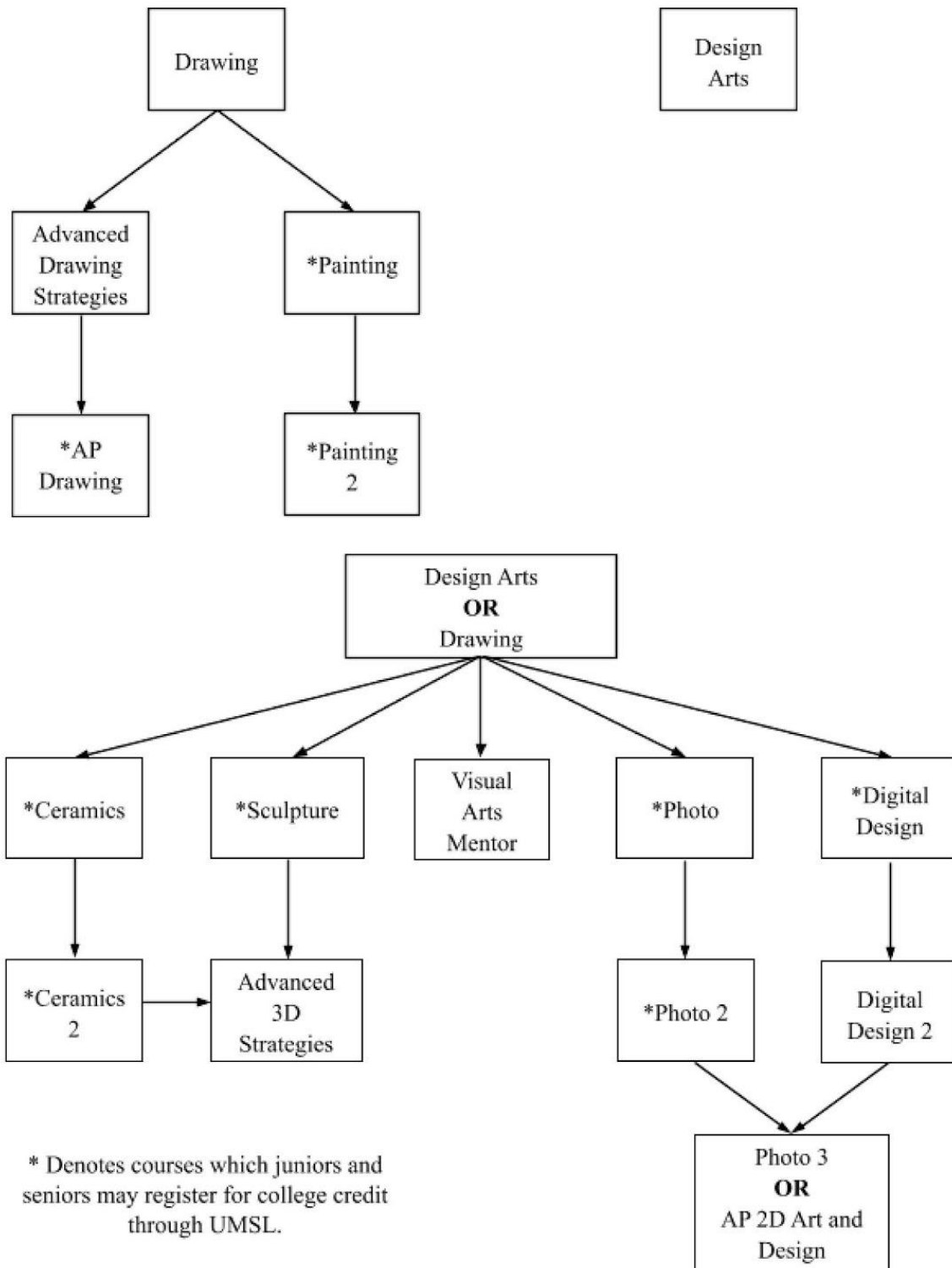
Prerequisite: 12th grade and a grade of B or better in Foundations of Acting, Advanced Acting, and Theatre Design & Construction, and permission of instructor.

In this course, students will combine their learned knowledge of acting and design with directing concepts, research management, and application while producing a one-act play for a public performance. Students should expect a significant amount of reading, analyzing, preparation, and rehearsal time outside of class, both during and in preceding semesters. An Honors grade may be earned.

FINE ARTS: VISUAL

Department Course Sequence

Design Arts and Drawing serve as introductory prerequisites for the next level studio art classes as illustrated on the chart below.



Design Arts**027000**

Grade(s): 9 - 12

Credit : ½ Fine Arts

Prerequisite: None

Design Arts provides students an opportunity to develop projects based on the knowledge, understanding, and application of the elements of art and principles of design. Students will experience the creative problem solving process, learn technical skills in a variety of media and learn to verbally evaluate their work and the work of others.

Drawing**027100**

Grade(s): 9 - 12

Credit : ½ Fine Arts

Prerequisite: None

Students will be taught how to use line, shape, value, and compositional strategies to create drawings from observation. A variety of subjects will be covered, some of which might be still life, portraits, figure drawings, landscapes, and interiors. A variety of materials will be used.

Advanced Drawing Strategies**027130**

Grade(s): 9 - 12

Credit : ½ Fine Arts

Prerequisite: Drawing

This class is for students wanting to continue the mastery of their perceptual drawing skills. Students will learn new approaches to drawing the figure, still life, and structured environmental spaces, with the goal of perceptual accuracy, in addition to individual personal expressions and visual power. A wide variety of dry and wet media will be utilized in this intensive drawing lab.

Ceramics**027200**

Grade(s): 9 - 12

Credit : ½ Fine Arts

Prerequisite: Design Arts or Drawing

Instruction is offered in the materials, techniques, equipment, and vocabulary of ceramic art, including pottery and other forms. Hand-built and wheel-thrown forms may both be taught. Emphasis will be on skill development and craftsmanship using clay as a medium of expression. This course can be taken for college credit through University of Missouri-St. Louis.

Ceramics 2**027220**

Grade(s): 10 - 12

Credit : ½ Fine Arts

Prerequisite: Ceramics (grade of A or B recommended)

Students will further improve and refine their skills on the potter's wheel. They will undertake more complex hand-building projects and will learn and become responsible for the mechanics of a ceramic studio such as mixing glazes, stacking and firing kilns, recycling clay, and maintaining equipment. This course can be taken for college credit through University of Missouri-St. Louis.

Sculpture**027240**

Grade(s): 9 - 12

Credit : ½ Fine Arts

Prerequisite: Design Arts or Drawing (Grade of B or better)

A study of art in the third dimension offers the student a selection from the following approaches: carving, modeling, casting, and assemblage. A variety of materials such as clay, stone, wood, wax and metals are used. Special emphasis is placed on the manipulation of the relationship of mass and space. Safe practices in the care and use of tools are stressed. This course can be taken for college credit through University of Missouri-St. Louis.

Advanced 3-D Studies**027250**

Grade(s): 10 - 12

Credit : ½ Fine Arts

Prerequisite: Sculpture or Ceramics 2

Work in this course will continue to develop the skills and concepts learned in Sculpture and Ceramics 2. Students will undertake more in-depth assignments that will add to their portfolio while allowing creative development and personal expression.

Photography**027300**

Grade(s): 9 - 12

Credit : ½ Fine Arts

Prerequisite: Design Arts or Drawing

Students can learn to produce good photographs. Instruction includes operation and use of a single-lens reflex camera, black and white film processing, and darkroom enlarging procedures. While the development of technical skill is necessary, the application of artistic concepts is essential in the production of photography as an art form. Students will be asked to purchase consumable supplies for this course. This course can be taken for college credit through University of Missouri-St. Louis.

Photography 2**027320**

Grade(s): 10 - 12

Credit : ½ Fine Arts

Prerequisite: Photography

Work in Photography 2 will continue to build on the basic concepts and skills learned in Photography. Students will have an opportunity to experiment and work in-depth with a single-lens reflex camera and digital cameras. Advanced darkroom procedures will be extended and creative, open-ended assignments will be utilized. Students will be asked to purchase consumable supplies for this course. This course can be taken for college credit through University of Missouri-St. Louis.

Photography 3**027330**

Grade(s): 11 - 12

Credit : ½ Fine Arts

Prerequisite: Photography 2

The purpose of this course is to provide highly motivated and proficient students an opportunity to continue their course work in photography. Students will concentrate on perfecting their skills in 35mm manual photography. Mastery and exploration of current image taking, developing and darkroom techniques are expected. The exploration of historical and traditional printmaking methods will be combined with various contemporary approaches and techniques to enhance the students' knowledge base. The use of some medium format and digital cameras will also provide alternative image-taking opportunities. Students will be asked to purchase consumable supplies for this course.

Painting**027500**

Grade(s): 9 - 12

Credit : ½ Fine Arts

Prerequisite: Drawing

In this course one can learn to paint using the techniques and materials that could include: acrylics, oils, pastels, opaque and transparent watercolors. Emphasis is placed on developing color schemes and compositional skills necessary for effective personal expression. Students may register through University of Missouri - St. Louis to receive Painting college credit.

Painting 2**027520**

Grade(s): 10 - 12

Credit : ½ Fine Arts

Prerequisite: Painting (grade of A or B recommended)

In Painting 2 students will continue to use and expand the skills learned in Painting. They may initiate direction for study with emphasis on unique visual statements. This course can be taken for college credit through University of Missouri-St. Louis.

Digital Design**027810**

Grade(s): 9 - 12

½ Fine Arts Credit

Prerequisite: Drawing or Design Arts

Digital Design will explore elements and principles of art through computer imagery. Students will use drawing, digital photography, scanning and manipulation of images and text to understand graphic design. Photoshop and Illustrator software will be used to create complex and diverse images that may be incorporated into an art portfolio. This course can be taken for college credit through University of Missouri-St. Louis.

Digital Design 2**027820**

Grade(s): 10 - 12

Credit : ½ Fine Arts

Prerequisite: Digital Design

Digital Design 2 will build upon skills developed in Digital Design. Students will continue to problem solve more complex and challenging graphic visual ideas and will use more sophisticated Photoshop and Illustrator techniques. Projects may be incorporated into an art portfolio.

AP Drawing**029781 & 029782**

Grade(s): 11 – 12

Credit : 1 Fine Arts

Prerequisite: Drawing, Advanced Drawing, teacher recommendation and department approval

AP Drawing is structured like a college course. Its purpose is to enable those enrolled to work toward building a portfolio for assessment by the College Board in AP Drawing. This course is intended for highly motivated students committed to a serious study of drawing. AP Drawing involves a higher level of proficiency and significantly more time than other high school art courses. Performance in other drawing courses will be the criterion for placement in this class. The quality of the work should reflect first-year college-level standards. A weighted grade is given.

AP 2D Art and Design**029831 & 029832**

Grade(s): 11 - 12

Credit : ½ Fine Arts credit each semester

Prerequisite: Photo I & II, or Digital Design I & II and 1 additional art class

AP 2D Design class is structured like a college course, intended for highly motivated students committed to a serious study of 2D Design concepts in the studio setting. This year-long course will enable students to work toward building a portfolio that will be assessed by the College Board in AP 2D Design. The course will require a higher level of proficiency and significantly more time than other high school art courses. A variety of artistic media can be explored in this class including but not limited to photography, printmaking, painting, digital design, illustration and mixed media processes. The quality of the work should have substantial quality, breadth, and concentration. Performance in previous studio courses will be the criterion for placement in the class. A weighted grade is given.

Let's Create Together**025950**

Grade(s): 9 - 12

Credit : ½ Fine Arts

Prerequisite: Counselor approval

This course provides modified instruction for students with unique abilities in the area of visual arts. Students will develop studio art skills, an appreciation for different genres of art, and an ability to respond to art in a variety of ways. Each student will be working together with general education mentors in grades 11 – 12 to increase their overall awareness and enjoyment of art making, as well as being creative and innovative.

Visual Arts Mentor**027950**

Grade(s): 11 - 12

Credit : ½ Elective

Prerequisite: Drawing 1 or Design Arts

This course will give students the opportunity to improve their skills in mentoring others as they serve as assistants for students with physical and developmental disabilities enrolled in Let's Create Together. Students will take on the role of mentor to provide leadership in a variety of artistic activities in a studio setting.

HEALTH AND PHYSICAL EDUCATION

Graduation Requirements

- All students are required to pass Physical Fitness Concepts in either 9th or 10th grade
- Students must earn an additional ½ unit of credit in either 11th or 12th grade
- A maximum of 4 units of PE credit may be counted toward the required 24 units of credit for graduation. All credit earned after required PE credit will be recorded as elective credit.

9th or 10th Grade

Physical Fitness Concepts (required for graduation)

10th – 12th Grade

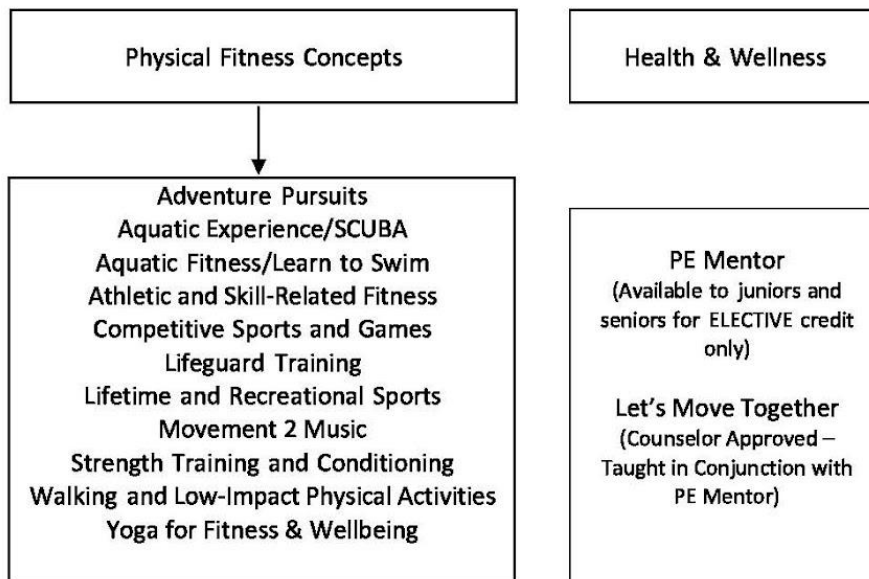
Any of the following courses will satisfy the remaining ½ of the Physical Education credit (if taken in 11th or 12th) or serve as electives (if taken in 10th or above required credits). ***NOTE: All courses listed below may be taken additional times for elective credit.**

Adventure Pursuits
Aquatic Fitness/Learn to Swim
Aquatic Experience/SCUBA
Athletic and Skill-Related Fitness
Competitive Sports & Games
Lifeguard Training
Lifetime and Recreational Sports
Movement 2 Music
Strength Training & Conditioning
Walking and Low-Impact Physical Activities
Yoga for Fitness & Wellbeing

11th – 12th Grade

The following course may be taken for elective credit only:

Physical Education Mentor



Health & Wellness**077100**

Grade(s): 10

Credit: ½ Health

Prerequisite: None

Health and Wellness education is required for all students during their sophomore year. This comprehensive course includes the topics of personal wellness, nutrition, safety and first aid, disease prevention, human sexuality and healthy relationships, substance abuse and prevention, and community and environmental health.

Physical Fitness Concepts**087110**

Grade(s): 9 - 10

Credit: ½ Physical Education

Prerequisite: None

This course is the first required course to be taken in the physical education department and fulfills one half of the physical education requirement. The content of the course involves participation in physical fitness activities, an aquatic fitness unit, and exposure to a variety of sport and lifetime-recreational activities. Emphasis will be placed on self-assessment, achievement, and maintaining of personal health related physical fitness goals. As a requirement of the course, the students will be responsible for developing a personal fitness plan.

Athletic and Skill-Related Fitness**087120**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

This course will focus on the development of skill-related components of physical fitness to improve athletic performance and physical fitness. Students will participate in a variety of learning activities, movement drills, physical training, and sports activities that assist in the development of speed, power, balance, agility, coordination, reaction time, and muscle fitness. Students will be expected to assess their fitness skill abilities and develop a personal fitness plan, incorporating fitness training principles and safety guidelines.

Competitive Sports and Games**087140**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

This course will include a variety of fitness activities and team sport activities. Instruction is aimed at developing fitness and sports skills, and an understanding of the rules of the games. Students will also examine coaching and team strategies, and officiating mechanics for each sport.

Lifetime and Recreational Sports**087150**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

This course includes a variety of recreational and outdoor sport activities such as tennis, golf, badminton, pickleball, orienteering and archery. A strong emphasis will be placed on enhancing individual sport skills and fitness through non-contact sports.

Strength and Conditioning**087200**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

The content of this course includes basic weight training techniques, as well as training practices and safety procedures in the weight room. Students will learn a variety of lifts and strength training principles for muscular strength and endurance. Students will also participate in a variety of exercises and activities that will develop muscle fitness, as well as cardiovascular fitness, flexibility and fitness skills, such as agility and power.

Adventure Pursuits**087300**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

This course will promote components such as team-building, critical thinking, cooperation and encouragement through such activities as cycling, rock climbing, kayaking, orienteering and outdoor living. Students will be tested on proper equipment usage and safety procedures.

Walking and Low-Impact Physical Activities**087400**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

This course introduces students to walking for fitness, as well as a variety of other low-to-moderate lifetime and leisure physical activities. A major expectation of this course is for students to develop their personal fitness and to develop competency with a variety of physical activities that promote lifelong fitness. Students will also be expected to assess their personal fitness and develop a personal health plan, incorporating fitness training principles, as well as safety and dietary guidelines.

Lifeguard Training**087830**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

This course will include the latest techniques in water safety, swimming and non-swimming rescues, CPR, Automated External Defibrillator and First Aid Training for the Professional Rescuer. The course content also includes the duties and responsibilities of a professional lifeguard. Participants in this course will be required to be 15 years old upon completion of the course, be able to continuously swim 300 yards using front crawl and breaststroke, and perform a deep-water surface dive with the retrieval of a 10lb diving brick.

Aquatic Fitness / Learn To Swim**087840**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

This course will promote cardiovascular fitness through participation in a variety of aquatic activities. Non-swimmers will be provided with a strong foundation to progress towards becoming a competent swimmer through the American Red Cross' "Learn To Swim" program. Topics will be presented in a variety of methods including skill- and game-related activities. Experienced swimmers will benefit from the course by participating in the higher levels of the "Learn To Swim" program. This higher-level course will focus on stroke development and cardiovascular fitness.

Aquatic Experiences / Scuba**087820**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

This course will include small watercraft experiences, advanced pool activities, and scuba diving instruction and certification. A parental waiver and fee is required for PADI (Professional Association of Diving Instructors) Certification. The course is an activity-based class and is only recommended for those who are self-motivated and are strong swimmers. Cardiovascular fitness will be developed through participation in various aquatic activities. Scuba and small craft experiences may require the class to participate in off-campus field trips.

Movement to Music**087960**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

This course allows students an opportunity to participate in a variety of individual fitness pursuits, such as Pilates, Yoga, Zumba, Walking, and Aerobics (Step, Dance, and Water). During this course, students will acquire knowledge of different movements to music in regards to cultural, traditional & modern day styles. Students will practice coordination, balance, flexibility, strength, spatial awareness and positive body image. Students will develop their competency in rhythms, dance, and fitness skills that will enable them to confidently and safely pursue personal fitness opportunities.

Yoga for Fitness & Wellbeing**087970**

Grade(s): 10 - 12

Credit: ½ Physical Education

Prerequisite: Physical Fitness Concepts

This course allows students to relieve stress and improve their strength, balance, flexibility, and confidence through the practice of yoga. Students will learn basic yoga poses, try different styles of yoga, and participate in group and individual projects. Students will also be able to work toward personal goals in yoga through pose workshops, small group instruction, sequence creation, and individual practice. The self-calming techniques and practices emphasized in the course can be used both on and off the mat. This course is accessible for all fitness levels.

Let's Move Together**085950**

Grade(s): 9 - 12

Credit: ½ Physical Education

Prerequisite: Counselor Approval

This course provides modified instruction for students with unique abilities in the area of physical education. Students will develop physical and fundamental motor skills and patterns (throwing, catching, walking, running), as well as skills in aquatics, dance, individual and group games and sports. Each student will be working together with general education mentors in grades 11-12, to increase competency in fitness and sport skills, and increase enjoyment of physical activity.

PE. Mentor

Grade(s): 11 - 12

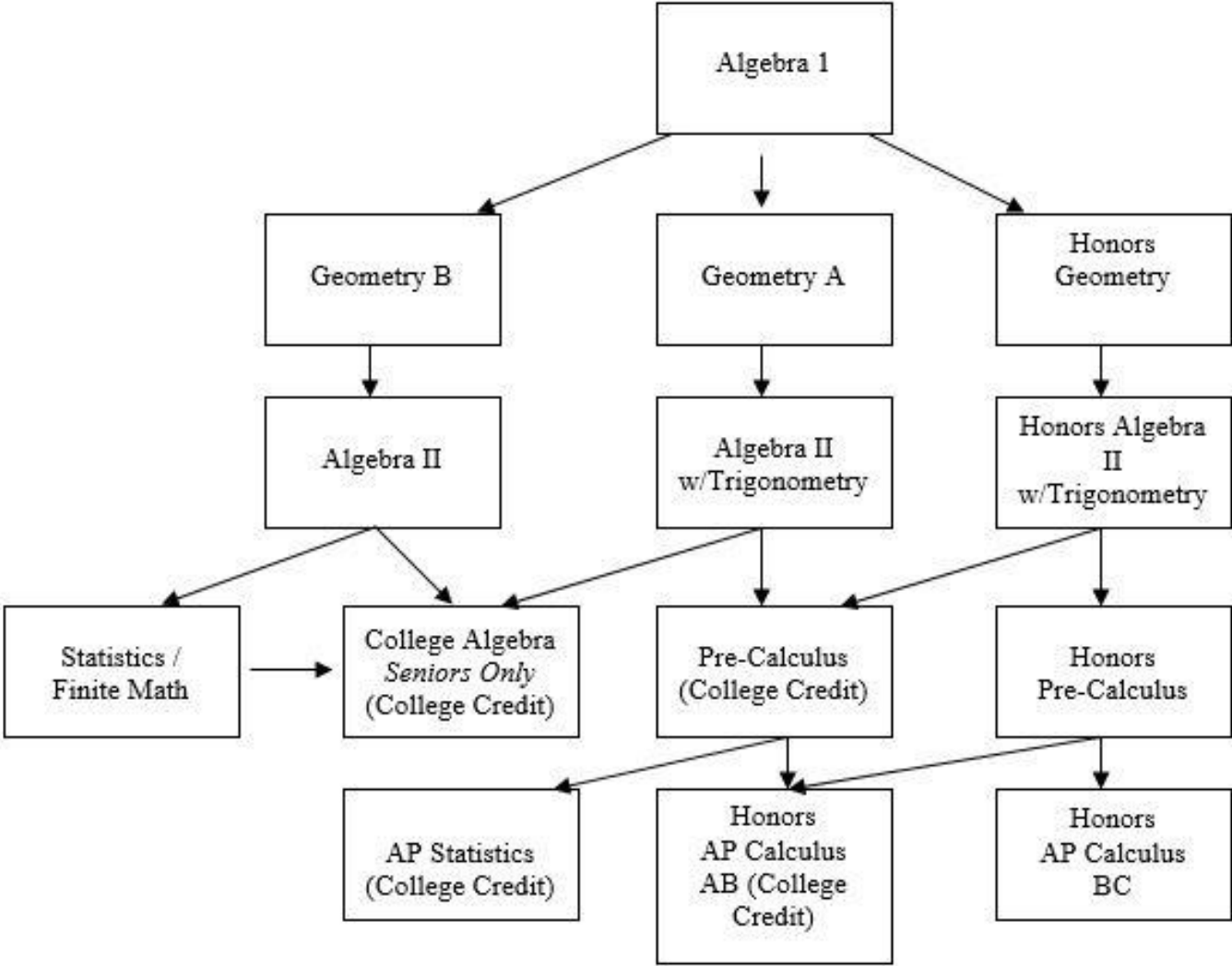
Credit: ½ Elective

Prerequisite: Physical Fitness Concepts & 2nd Required PE Course

This course will give students the opportunity to improve their skills in mentoring others as they serve as assistants for students with physical and developmental disabilities enrolled in Physical Education. Students will take on the role of "buddies" to provide leadership in a variety of physical fitness games and activities.

MATHEMATICS

This chart indicates the relationship of the mathematics classes with each other. Use this chart to help you plan your high school program. These courses are organized in strands to help you see general types of programs.



Algebra 1***117101 & 117102***

Grade(s): 9 - 10

Credit: 1 Math

Prerequisite: Mathematical Modeling: Algebra in Context

The primary goal in Algebra 1 is to help students transfer their tangible mathematical knowledge to more abstract algebraic generalizations. Topics include recognizing and developing patterns and using tables, graphs and equations for both linear and nonlinear functions. An improved understanding of these topics will help students better understand and respond to the challenges of our ever-changing world. At the conclusion of this course, students will take the Algebra 1 End of Course Assessment required by the state of Missouri.

Algebra 1 Lab***960501 & 960502***

Grade(s): 9 - 12

Credit: 1 Elective

Prerequisite: Concurrent enrollment in Algebra 1 and consent of department

Algebra 1 Lab supports students' learning of the content delivered in Algebra 1. This course supplements the Algebra 1 curriculum with additional time and strategies to master the essential knowledge and skills. Concurrent enrollment in Algebra 1 and consent of the department required.

Geometry B***116201 & 116202***

Grade(s): 10 - 12

Credit: 1 Math

Prerequisite: Algebra 1

The emphasis of this course is on geometric relationships of figures, visualization of geometric properties and measurement. Algebraic skills are integrated through application of geometric concepts. An introduction to proofs, mathematical language, logical reasoning, and critical thinking is included. Topics include logic and probability, angles and lines, transformations, similarity, triangles, trigonometry, circles, and other polygons.

Geometry A***117201 & 117202***

Grade(s): 9 - 12

Credit: 1 Math

Prerequisite: Algebra 1

This course requires students to focus on logical proof and critical thinking when solving problems or evaluating arguments. There is an emphasis on deductive reasoning and critical thinking. Geometric properties and concepts in both the plane and 3-dimensional space are covered. Topics include logic and probability, angles and lines, transformations, similarity, triangles, trigonometry, circles, and other polygons.

Honors Geometry***118201 & 118202***

Grade(s): 9 - 10

Credit: 1 Math

Prerequisite: Algebra 1 or consent of department

This course requires students to focus on logical proof and critical thinking when solving problems or evaluating arguments. There is a strong emphasis on usage of precise mathematical language, deductive reasoning, and critical thinking. Geometric properties and concepts in both the plane and 3-dimensional space are covered. Rigorous higher order algebraic concepts are integrated throughout. Topics include logic and probability, angles and lines, transformations, similarity, triangles, trigonometry, circles, and other polygons

Algebra 2***117301 & 117302***

Grade(s): 10 - 12

Credit: 1 Math

Prerequisite: Geometry

This course continues the exploration of functions which began in Algebra 1. Students will analyze functions graphically, numerically, algebraically and investigate how these functions can be used to represent real world data. Functions that will be studied include linear, quadratic, absolute value, polynomial, rational, radical, exponential, and logarithmic. This course is not recommended for students planning to pursue a career in a STEM or Business field.

Algebra 2 with Trigonometry***117401 & 117402***

Grade(s): 10 - 12

Credit: 1 Math

Prerequisite: Geometry A (recommended C or better) or consent of department

In this course, students will study families of functions including linear, quadratic, exponential, logarithmic, radical, rational, and trigonometric. These functions will be represented through equations, tables, and graphical representations. Modeling of real world scenarios and application of concepts to problems arising from those situations will be highlighted. This course is recommended for students planning to pursue a career in a STEM or Business field.

Honors Algebra 2 with Trigonometry***118401 & 118402***

Grade(s): 10 - 11

Credit: 1 Math

Prerequisite: Honors Geometry or consent of department

This course, which covers second year algebra topics and trigonometry is designed for highly mathematically capable students interested in pursuing STEM professions. The focus is on the analysis and understanding of mathematical relations and functions. Students will analyze linear, quadratic, absolute value, polynomial, rational, radical, exponential, and logarithmic functions graphically, numerically, and algebraically. Purchase of a graphing calculator is strongly recommended

Statistics***117900***

Grade(s): 11 - 12

Credit: ½ Math

Prerequisite: Algebra 2

In this introductory course, students will collect data and use statistics as tools to recognize and examine the basic principles of describing and presenting data to reach reasonable conclusions. Students will explain the role of probability in statistics, analyze and compare various sampling distributions for both discrete and continuous random variables, and compute confidence intervals. The presentation, use, and interpretation of data, probability, sampling, correlation, and use of statistical software will be applied to current events and student directed investigations.

Problem Based Applications in Finite Math**117800**

Grade(s): 11 - 12

Credit: ½ Math

Prerequisite: Completion of Algebra 2 or higher or consent of department

This course focuses on mathematical reasoning and the solving of real-life problems. Emphasis will be on projects, cooperative learning, and application of math skills across career clusters, current events, and social justice issues. Statistics and probability, linear systems, logic, and financial math are some of the topics that will be addressed.

College Algebra**117601 & 117602**

Grade(s): 12

1 Math Credit

Prerequisite: Senior Standing. Algebra 2 with Trigonometry or Algebra 2 with consent of department

This is a standard course in College Algebra that students may take in order to earn college credit through the University of Missouri, St. Louis. Topics include linear, quadratic, and rational equations and inequalities, the algebra and graphs of functions including polynomial, rational, exponential, and logarithmic, systems of equations, and sequences and series. This course is designed to fulfill one of the college mathematics requirements for students planning to earn either a Bachelor of Science or Bachelor of Arts degree.

Pre-Calculus**117701 & 117702**

Grade(s): 11 - 12

Credit: 1 Math

Prerequisite: Algebra 2 with Trigonometry (recommended C or better)

This course is designed to prepare students for college level mathematics. Students will describe, analyze, and graph basic algebraic and transcendental functions. Students will also study sequences, series, probability, conic sections, and be introduced to the concept of limits. This class will be offered for college credit through University of Missouri - St. Louis.

Honors Pre-Calculus**118701 & 118702**

Grade(s): 11 - 12

Credit: 1 Math

Prerequisite: Honors Algebra 2 with Trigonometry or consent of department

This course is designed to prepare students for a calculus course during high school. The content consists of traditional pre-calculus topics, but the emphasis of the course is on the underlying structure of mathematics. Students will study, analyze, and apply basic algebraic and transcendental functions. A weighted grade is given.

AP Statistics**119901 & 119902**

Grade(s): 11 - 12

Credit: 1 Math

Prerequisite: Algebra 2 with Trigonometry

This Advanced Placement course is for students who wish to complete the equivalent to an introductory, non-calculus based, college course in statistics. Students gain experience in four broad themes: exploring data, planning a study, anticipating patterns, and statistical inference. This course prepares students to take the College Board Advanced Placement Statistics examination and follows the College Board's recommended syllabus. A weighted grade is given. This course also offers the opportunity to earn college credit from the University of Missouri – St. Louis.

AP Calculus AB***119801 & 119802***

Grade(s): 12

Credit: 1 Math

Prerequisite: Pre-Calculus or consent of department

This is an honors course that emphasizes a multi-representational approach to calculus through the exploration of limits, differentiation, integration and many applications within these areas. In this course students will study in depth situations involving change and accumulation using descriptive, analytical, numerical and graphical approaches. This course prepares students to take the College Board Advanced Placement Calculus AB examination which fulfills the requirements for Calculus I and follows the syllabus approved by the AP Audit. A weighted grade is given. This course also offers the opportunity to obtain college credit from the University of Missouri - St. Louis.

AP Calculus BC***119851 & 119852***

Grade(s): 12

Credit: 1 Math

Prerequisite: Honors Pre-Calculus

This is an honors course that emphasizes a multi-representational approach to calculus through the exploration of limits, differentiation, integration, series, parametric functions, polar functions and many applications within these areas. . In this course students will study in depth situations involving change and accumulation using descriptive, analytical, numerical and graphical approaches. This course prepares students to take the College Board Advanced Placement Calculus BC examination which fulfills the requirements for Calculus I and Calculus II and follows the syllabus approved by the AP Audit. A weighted grade is given.

SCIENCE

A minimum of three (3.0) credits in science are required by the state of Missouri for a student to graduate high school.

As a guideline, all students should attempt at least one year of a biological science and one year of a physical science. For most four year universities, this generally includes a year of biology (or honors biology) and chemistry (or honors chemistry or principles of chemistry). For the final credit (1.0), a course in physics should be considered strongly especially if student goals include attending a four year university.

Freshmen are enrolled in a full year of biology. Beginning in the 10th grade, additional courses are available for any student who has met the pre-reqs of the class. Taking more than one science class at a time is allowed beginning in 10th grade.

Course Offerings	Semester	Year-Long
Regular Credit	Astronomy Biology 3 Environmental Science Environmental Science 2 Forensics Zoology	Biology 1/2 Chemistry Principles of Chemistry Physics Principles of Physics
Honors Credit	AP Physics C	Honors Biology Honors Chemistry AP Physics 1* AP Biology* AP Chemistry AP Environmental Science AP Physics 2
Honors Option		Human Anatomy

*available for college credit

Biology 1: Cells and Variation**137140**

Grade(s): 9

Credit: ½ Science

Prerequisite: None

This is the initial semester course in a sequence of biology courses that together will provide a college preparatory experience in the life sciences. This course has the theme: What is the basis of life and how does it vary? Students will conduct controlled experiments using the experimental design process. They will study biochemistry, prokaryotic and eukaryotic cells and cell environment, aspects of cell division, Mendelian genetics, meiosis, and the unity and diversity of life.

Honors Biology 1: Cells & Variation**138140**

Grade(s): 9

Credit: ½ Science

Prerequisite: Department Recommendation

This is the initial course in a sequence of biology courses that together will provide a college preparatory experience in the life sciences. This course has the theme: What is the basis of life and how does it vary? Students will conduct controlled experiments using the experimental design process. They will study biochemistry, prokaryotic and eukaryotic cells and cell environment, aspects of cell division, Mendelian genetics, meiosis, and the unity and diversity of life. It is designed for the student who anticipates a science-based career, desires an accelerated science program, and intends to take advanced courses in science. A weighted grade is given.

Biology 2: Evolution & Ecology**137150**

Grade(s): 9

Credit: ½ Science

Prerequisite: Biology 1

This second semester course in the biology sequence has a theme of: How is Life Interrelated? Students will explore the unity and diversity of life through the study of evolution by natural selection. The structure and replication of DNA along with protein synthesis will be examined. The interdependence of all living things will be explored with emphasis on ecological processes and human impact on the biosphere. The processes of photosynthesis and respiration will be introduced. The Missouri Biology End of Course Assessment is given at the conclusion of this course.

Honors Biology 2: Evolution & Ecology**138150**

Grade(s): 9

Credit: ½ Science

Prerequisite: Honors Biology 1 or Department Recommendation

This second semester course in the biology sequence has a theme of: How is Life Interrelated? Students will explore the unity and diversity of life through the study of evolution by natural selection. The structure and replication of DNA along with protein synthesis will be examined. The interdependence of all living things will be explored with emphasis on ecological processes and human impact on the biosphere. This course is designed to apply mathematical concepts and critical thinking. It is recommended for the student who anticipates a science-based career, desires an accelerated science program, and intends to take advanced courses in science. The Missouri Biology End of Course Assessment is given at the conclusion of this course. A weighted grade is given.

Biology 3: Biotechnology & Systems**137160**

Grade(s): 10 - 12

Credit: ½ Science

Prerequisite: Biology 1 and Biology 2

This course completes the initial college preparatory sequence and has the themes: How does biotechnology impact life? and How is life organized for success? The students will investigate a variety of concepts such as DNA fingerprinting and genetic engineering. Students will explore and compare plants and animals (including humans) at the system and molecular levels. Other topics will include photosynthesis and cellular respiration. These topics will be presented through numerous laboratory activities and will emphasize process and thinking skills.

Zoology**137450**

Grade(s): 10 - 12

Credit: ½ Science

Prerequisite: Biology 1 and Biology 2 (C or better in both)

Zoology is a semester course introducing students to the diverse animal kingdom with a survey of invertebrate and vertebrate animals. Students will study animals' characteristics and examples of each class. This course includes studies of the relationship between organisms and the environment, including physical and biological conditions. Students will develop an understanding that all living things are interconnected, and that worldwide activities of humans can contribute to animal diversity both positively and negatively.

Human Anatomy & Physiology (Honors Option)**137461 & 137462**

Grade(s): 11 - 12

Credit: 1 Science

Prerequisite: Biology 1, Biology 2 and a full year of Chemistry or Honors Chemistry

This course will examine through group work, dissection, reading, and guided instruction, the major human body systems that support, move, maintain, and control the body. Medical terminology will be used and reviews of patient case studies will be incorporated. Normal functioning of human tissues, organs, and systems will be compared to pathologic conditions. This class will benefit anyone who wants to learn more about the human body. An optional field trip to view cadavers will be offered. An honors grade may be earned upon completion of the honors option requirements.

Environmental Science**137500**

Grade(s): 10 - 12

Credit: ½ Science

Prerequisite: Biology 1 and Biology 2

How do humans and their behaviors impact the biosphere? Students will investigate the way nature operates when left undisturbed and when influenced by humans. Topics studied in Environmental Science include agriculture and soil, human population and growth, weather and climate change, water, energy, and biodiversity. This course is ideal for anyone who wants to learn more about how they can affect change on the Earth.

Environmental Science 2**137510**

Grade(s): 10 - 12

Credit: ½ Science

Prerequisite: Biology 1 and Biology 2

The study of humans and their impact on the biosphere continues in Environmental Science 2. Students will continue to investigate the way nature operates when left undisturbed and when influenced by humans. Topics studied in Environmental Science 2 include agriculture and soil, human population and growth, weather and climate change, water, energy, and biodiversity with an emphasis on projects and policies. This course is ideal for anyone who wants to learn more about how they can affect positive change on the Earth.

Astronomy & Space Science**137560**

Grade(s): 10 - 12

Credit: ½ Science

Prerequisite: Biology 1 and Biology 2

What is astronomy and how do we know about the changes that have occurred in the universe around us? The NASA program, the space race, and the observations made by astronomers and astrophysicists have created a greater depth of knowledge of the solar system. In this course students will combine mathematical skills with knowledge of mechanics to broaden their understanding of the universe. Units of study include the Earth, moon, sun and stars, constellations, cosmology and the history of the universe.

Forensic Science**137480**

Grade(s): 11 - 12

Credit: ½ Science

Prerequisite: Biology 1 and Biology 2 and any full year Chemistry course

This course introduces students to the field of forensic science. Forensic science is a multidisciplinary course that includes biology, chemistry, and physics concepts. This course will emphasize the analysis of physical and biological evidence including fingerprints, impressions, bloodstain pattern analysis, DNA, fibers, hair, and more. By stepping into the role of a forensic scientist the student will apply a variety of scientific strategies and skills.

Chemistry**137201 & 137202**

Grade(s): 10 - 12

Credit: 1 Science

Prerequisite: Biology 1, Biology 2 and Algebra

Topics include atomic structure, periodicity, bonding, nomenclature, chemical reactions, stoichiometry, gas laws and physical states, thermochemistry, and solutions. Additional topics may include kinetics and equilibrium, acids and bases, nuclear science and energy, and an introduction to organic chemistry. Group interaction, discussion, and cooperation during laboratory practice and mathematical problem-solving sessions will be commonplace. Open-ended lab experiences requiring student collaboration and multiple-step problem solving execution will be frequent.

Principles of Chemistry***137241 & 137242***

Grade(s): 10 - 12

Credit: 1 Science

Prerequisite: Biology 1, Biology 2 and Algebra I

This course is designed for students who wish to obtain an understanding of the science of chemistry. The major concepts of chemistry are presented with an emphasis of its application in everyday life. The course will cover matter and its properties, atomic structure, the periodic table, chemical bonding, chemical reactions, properties of gases, solutions, introduction to thermochemistry, acid/base chemistry, and nuclear chemistry. These topics will be complemented with activities and laboratory investigations so students can gain hands-on experience. Principles of Chemistry is designed for students who want a rigorous study of chemistry topics and are pursuing a career in a non-STEM field.

Honors Chemistry***138201 & 138202***

Grade(s): 10 - 12

Credit: 1 Science

Prerequisite: Biology 1, Biology 2 and Algebra (A or better)

Honors Chemistry is designed for the student who has an exceptional interest in science and desires an accelerated science program. Topics include atomic structure, periodicity, bonding, nomenclature, chemical reactions, stoichiometry, gas laws and physical states, thermochemistry, solutions, kinetics and equilibrium, and acids and bases. Group interaction, discussion, and cooperation during laboratory practice and mathematical problem-solving sessions will be commonplace. Open-ended lab experiences, requiring student collaboration and multiple-step problem solving execution will be frequent. A weighted grade is given.

Physics***137301 & 137302***

Grade(s): 10 - 12

Credit: 1 Science

Prerequisite: Geometry A

Physics is recommended for any student who is interested in a STEM career field or who wants to prepare for a college-level physics course. Physics uses advanced algebra and trigonometry to investigate the following topics: forces, motion in one- and two-dimensions, energy and momentum, gravitation, mechanical waves, light and optics, and electricity. Students will investigate these topics with activities and laboratory investigations to gain hands-on experiences.

Principles of Physics***137361 & 137362***

Grade(s): 10 - 12

Credit: 1 Science

Prerequisite: Biology 1 and 2, Algebra 1 and Geometry

Principles of Physics is designed for students who want a rigorous study of physics topics and are pursuing a career in a non-STEM field. The major concepts of physics will be presented with an emphasis of its application in everyday life. Topics included in this class are motion, forces, energy, electricity, optics and waves. These topics will be complemented with activities and laboratory investigations so students can gain hands-on experiences.

AP Physics 1**139411 & 139412**

Grade(s): 10 - 12

Credit: 1 Science

Prerequisite: Concurrent Enrollment in Algebra II / Trigonometry

AP Physics 1 is the study of trigonometry-based physics. Students will investigate forces, motion in one- and two-dimensions, circular and rotational motion, gravitation, energy and momentum, mechanical waves, and introductory static electricity and DC circuits. This course prepares students to take the College Board Advanced Placement Physics 1 examination and is equivalent to college level General Physics 1. A weighted grade is given.

AP Biology**139151 & 139152**

Grade(s): 11 - 12

Credit: 1 Science

Prerequisite: Biology 1, Biology 2, a full year of Chemistry or Honors Chemistry

AP Biology is an introductory college-level biology course. Students will cultivate their understanding of biology through inquiry-based investigations as they explore the topics of evolution, cellular processes including energy and communication, genetics, information transfer, ecology, and interactions. This course prepares students to take the College Board Advanced Placement Biology examination. A weighted grade is given.

AP Chemistry**139251 & 139252**

Grade(s): 11 - 12

Credit: 1 Science

Prerequisite: a full year of Chemistry or Honors Chemistry

AP Chemistry is designed to be equivalent to a first-year general chemistry course in college. Students in this course will attain a depth of understanding of chemistry fundamentals and competence in dealing with chemical problems. Qualitative and quantitative study of topics will include: atomic theory and atomic structure, chemical bonding, gases, liquids and solids, chemical reactions, stoichiometry, equilibrium, kinetics, and thermodynamics. This course provides laboratory experience comparable to a typical college course, and prepares students to take the AP Chemistry examination. A weighted grade is given.

AP Physics C: Mechanics**139321**

Grade(s): 11 - 12

Credit: ½ Science

Prerequisite: AP Physics 1 (C or better) and Concurrent Enrollment in Calculus

AP Physics C: Mechanics is a calculus-based physics course that covers kinematic, dynamics, energy, momentum, rotation, gravitation and oscillation. This course is the first of a two-course sequence that is equivalent to the introductory calculus-based physics sequence taken by science and engineering students at most colleges and universities. This course prepares students for the AP Physics C: Mechanics exam. A weighted grade is given.

AP Physics 2**139421 & 139422**

Grade(s): 10 - 12

Credit: 1 Science

Prerequisite: AP Physics 1 (C or better)

The study of trigonometry-based physics culminates in AP Physics 2. Students will investigate optics, fluid mechanics, thermodynamics, electrical fields, currents and circuits, magnetism, and quantum and nuclear physics. This course prepares students to take the College Board Advanced Placement Physics 2 examination and is equivalent to college-level General Physics 2. A weighted grade is given.

AP Environmental Science

139501 & 139502

Grade(s): 11-12

Credit: 1 Science

Prerequisite: Biology 1 and Biology 2 and a full year of Chemistry or Honors Chemistry

Advanced Placement Environmental Science is devoted to applying the scientific processes and reasoning to understanding the environment. This course examines the geological and biological factors that interact to create Earth's environmental systems and then uses this understanding to investigate the biological basis of current environmental issues with topics including natural resources, energy, pollution, climate change, population growth, and biodiversity conservation. Emphasis is placed on prevention of environmental crises or mitigating them if they occur. This course prepares students for the AP Environmental Science exam. A weighted grade is given.

SOCIAL STUDIES

To fulfill the graduation requirement of 3 credits in Social Studies, students will take Modern U.S. History (grade 9), World History (grade 10), one semester of U.S. Government (grade 11) and one semester elective. Students must pass the government course which includes the Missouri and U.S. Constitution exams, as required by the State of Missouri.

Grade 9:

Modern United States History (1 year = 1 credit)	Honors Modern United States History (1 year = 1 credit)
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Grade 10:

World History (1 year = 1 credit)	AP World History (1 year = 1 credit)
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Grade 11:

Government (1 semester = ½ credit)	AP U.S. Government & AP Comparative Politics (1 year = 1 credit)
+	OR
Social Studies Elective (1 semester = ½ credit)	AP U.S. Government and Politics (1 year = 1 credit)

Grade(s) 11/12 Electives:

1 semester = ½ credit	1 year = 1 credit
AP Human Geography AP Microeconomics Ancient Civilizations Anthropology Colonial America - Honors Contemporary Issues Crime and Law Economics History of St. Louis Media in America Philosophy and Ethics Psychology Sociology	AP Psychology AP United States History

Modern United States History***157001 & 157002***

Grade(s): 9

Credit: 1 Social Studies

Prerequisite: None

Modern U.S. History includes the study of domestic and foreign events and issues that shaped the United States from 1870 through contemporary America. Students will analyze a variety of primary and secondary sources, ask compelling questions, investigate significant events and change over time, discuss ideas from multiple perspectives, share their thinking across multiple written and visual forms of communication, and practice the skills of an engaged citizen.

Honors Modern United States History***158001 & 158002***

Grade(s): 9

Credit: 1 Social Studies

Prerequisite: Recommendation of Department

Honors Modern U.S. History includes the study of domestic and foreign events and issues that shaped the United States from 1870 through contemporary America. Students will analyze a variety of primary and secondary sources, ask compelling questions, investigate significant events and change over time, discuss ideas from multiple perspectives, share their thinking across multiple written and visual forms of communication, and practice the skills of an engaged citizen. Honors students will explore content more deeply and engage with more challenging texts and sources. A weighted grade is given.

World History: The Modern Era***157011 & 157012***

Grade(s): 10

Credit: 1 Social Studies

Prerequisite: None

In this course, students will trace the development of world history from the Renaissance to the twenty-first century by concentrating on the specific periods, persons, and events of greatest significance to development. Study includes comparisons of past and present events as well as comparisons of western and non-western development to foster an understanding of the political, social, geographic and economic status of several nations in the world today. Students will analyze a variety of primary and secondary sources, ask compelling questions, investigate significant events and change over time, discuss ideas from multiple perspectives, share their thinking across multiple written and visual forms of communication, and practice the skills of an engaged global citizen.

AP World History***159011 & 159012***

Grade(s): 10-12

Credit: 1 Social Studies

Prerequisite: Recommendation of Department

AP World History works to develop a greater understanding of the evolution of global processes and contacts including interactions over time. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course will flow chronologically while examining five major historical themes. The course prepares students to take the AP World History exam. Students have the option to earn college credit through the AP examination. A weighted grade is given.

AP United States Government & Politics

159121 & 159122

Grade(s): 11 - 12

Credit: 1 Social Studies

Prerequisite: Junior or Senior Standing

This is a year-long AP US Government course. This course prepares students for the AP US Government & Politics exam. Students have the option to earn college credit through the AP examination.

This course is designed to challenge students who are interested in advanced studies in government. Students study the history, institutions, branches, functions, electoral processes, and citizens' role in the governments of the local area, the state of Missouri, and the United States. The course includes an emphasis on the rights and responsibilities of citizenship, as well as a study of the principles and provisions of the Missouri and the United States Constitutions. The course includes the End of Course Assessment and The Constitution examination(s), as required by the state of Missouri. Students must pass The Constitution examination(s) to meet state graduation requirements. A weighted grade is given.

AP United States Government and AP Comparative Politics

159111 & 159112

Grade(s): 11 - 12

Credit: 1 Social Studies

Prerequisite: Junior or Senior Standing

This course teaches AP US Government in a semester and AP Comparative Politics second semester. This course prepares students for the AP US Government & Politics and the AP Comparative Government & Politics exams. Students have the option to earn college credit through the AP examination and through UMSL Advanced Credit.

It is designed to challenge students who are interested in advanced studies in government. Students study the history, institutions, branches, functions, electoral processes, and citizens' role in the governments of the local area, the state of Missouri, and the United States. The course includes an emphasis on the rights and responsibilities of citizenship, as well as a study of the principles and provisions of the Missouri and the United States Constitutions. The government of the United States is compared with the governments of other industrialized democracies as well as the political systems of Communist states and developing countries. Students investigate the rich diversity of political life, structures, institutions, processes, policies, and change over time across the globe. The course includes the End of Course Assessment and The Constitution examination(s), as required by the state of Missouri. Students must pass The Constitution examination(s) to meet state graduation requirements. A weighted grade is given.

	Semester 1	Semester 2
AP US Government and Politics	AP US Government and Politics 159121 and 159122	
AP US Government and AP Comparative Politics	AP US Government and Politics 159111	AP Comparative Politics 159112

United States Government**157100**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

In this course, students closely examine federal and state systems, structures, principles, and historical foundations of government. Attention will be given to the role of economics, social structures, individual perspectives, interest groups, and foreign influences in American politics. Students will think critically about issues concerning the United States' government, the impact of decision-making on a variety of peoples and groups, and their own role as an engaged citizen. Successful completion of this course is required for graduation. In accordance with Missouri law, all Parkway students must pass examinations on their knowledge of the United States and Missouri Constitutions administered during this course. The course also includes the End of Course Assessment required by the state of Missouri.

History of St. Louis**157350**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

This course will provide an overview of the unique and diverse history of St. Louis. Students will follow the course of development of this small 18th Century trading post as it expands into a major metropolis at the turn of the 20th Century, and the course will culminate with an examination of the city as it now exists. The course will discuss individuals who are important to the development of the city, but will emphasize the significant contributions (e.g. architecture, music, art) of the culturally diverse people who have made the city of St. Louis what it is today. The course will culminate with students examining and debating contemporary, as well as future issues that face our community.

Media in America**157370**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

This course will examine the role of various types of media such as print, film, cinema, radio, television, newspapers, news magazines, campaign ads, and the Internet in shaping American culture and history. The changing media and changing role of the influence of the media will be examined related to significant topics, periods, and events in history such as the role of colonial news in the American Revolution, enticing people to move west, stating the north/south case at the time of the Civil War, building the west, influencing views during war, as well as shaping today's issues and events in our own nation and abroad.

Crime and the Law**157750**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

This course studies crime in America and how our society deals with those who break its laws. Topics studied will include an examination of civil and criminal law, constitutional law, individual rights, theories of the causes of criminal behavior, the structure and function of the legal system, and examination of the penal system, and the roles of police, attorneys, and judges. The course will introduce landmark decisions, case studies, and guest speakers. This course will provide for individual research.

Contemporary Issues**157760**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

This course will focus on modern issues in all areas of social studies: political, economic, and social. The students will read from several sources, including a weekly news magazine. Current events will be studied with a historical perspective and projection of future possibilities. Both domestic and international issues will be examined. A large segment of class time will be devoted to discussion. Therefore, classroom participation during discussions will be expected.

Philosophy and Ethics**157840**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

This course is an introduction to the broad, essential, philosophical questions raised and theories proposed about human nature, decision-making, societal problems and issues, and the world. Students will become familiar with the specialized knowledge gained from research and discussion, communication skills, and personal attitudes needed to engage in philosophical discourse and apply these understandings to their lives.

Economics**157700**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

This course introduces students to basic economic concepts associated with our free enterprise/capitalistic economy. Basic principles included in the course include scarcity, production, distribution, consumption, supply/demand, inflation, recession, business, labor, and banking. Students will have the opportunity to learn through independent research and discussion.

Anthropology**157780**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

This course provides an introduction to the discipline of Anthropology with an emphasis on the subfield of Cultural Anthropology. It considers the major concepts and topics of Anthropology including a brief exploration of the four major subfields, the concept and characteristics of culture, and basic categories of study ranging from culture and survival (communication, social identity, economic systems), the formation of groups and the challenge of cooperation (sex and marriage, family and household, kinship, social groups), the search for order and the challenge of disorder (politics and power, spirituality and religion, and the arts), and finally the challenge of globalization (processes of change, global challenges, local responses and the role of anthropology).

Colonial America - Honors**158340**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

This course explores the social, cultural, religious, economic, and political growth in Colonial America from the first contact between indigenous peoples and European populations through the creation of the Declaration of Independence. Units covered within the class will emphasize important components of society - Unit 1: Exploration; Early Colonies; 2. Colonial Economy; 3. Life in the Colonies (a regional approach); 4. Non-European Experiences; 5. Revolt & Revolution. A weighted grade is given.

Ancient Civilizations**157590**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

The contributions of ancient civilizations are important to understanding our world today. This course will examine the political, social, religious and economic foundations of earlier societies, including a look at culture, daily life, artistic media, international relations, geography, and technological advances. Students will challenge themselves with primary source readings and classroom discussions. This course will cover the early civilizations of Mesopotamia and India, as well as China, Egypt, Greece and Rome, and civilizations in Africa and the Americas. A closer examination into early societies will provide students with the tools needed to appreciate the link between ancient and modern civilizations.

Sociology**157790**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

Sociology is the study of human behavior in groups which range from two people to societies of millions of people. Students will gain an understanding of important sociological concepts such as culture, socialization, status, role, and group dynamics. Students will use the tools and techniques of sociology along with audiovisuals, group discussions, and simulations to investigate and analyze human relationships. This course is also available as a completely virtual/online course. Students who are interested should contact their counselor regarding the process for enrolling in an online course.

Psychology**157800**

Grade(s): 11 - 12

Credit: ½ Social Studies

Prerequisite: Junior or Senior Standing

Psychology introduces students to the systematic and scientific study of the behavior and mental process of human beings. Psychology is a behavioral science, which studies the individual's personality, emotions, intelligence, interactions, creativity and motivation. Topics include an introduction to the field, experimental method, sensation, perception, learning, personality, memory and thinking, abnormal psychology, states of consciousness and psychological therapy.

AP Microeconomics**158720**

Grade(s): 11 - 12

Credit: 1 Social Studies

Prerequisite: Junior or Senior Standing

This course examines economic concepts associated with our free enterprise/capitalistic economy. Principles researched and discussed in the course include the nature and methods of economics, market systems and their structures, resource use, as well as supply and demand. Students will have the opportunity to learn through independent research, projects, and discussion. This course is a prerequisite for AP Macroeconomics. Successful completion of this course, AP Macroeconomics, and the Personal Finance end-of-course exam will satisfy the Personal Finance course requirement. This course prepares students for the AP Microeconomics exam. A weighted grade is given.

AP Human Geography**159510**

Grade: 10 – 12

Credit: ½ Social Studies

Prerequisite: Sophomore, Junior or Senior Standing

AP Human Geography is a college level introductory geography course. Students will be introduced to the basic concepts of human geography and analyze current world problems, social organization, and environmental issues by studying where human activity takes place, why it takes place there, and the impact on our world. The course prepares students for the AP Human Geography exam. Students have the option to earn college credit through the AP examination. A weighted grade is given.

AP Psychology***159801 & 159802***

Grade(s): 11 - 12

Credit: 1 Social Studies

Prerequisite: Junior or Senior Standing

AP Psychology introduces students to the systematic and scientific study of the behavior and mental process of human beings. Students will be exposed to psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the methods psychologists use to explore the process involved in normal and abnormal perceptions, thoughts, feelings and actions. This course is designed to prepare students for the AP exam. A weighted grade is given.

AP United States History***159301 & 159302***

Grade(s): 11 - 12

Credit: 1 Social Studies

Prerequisite: Junior or Senior Standing

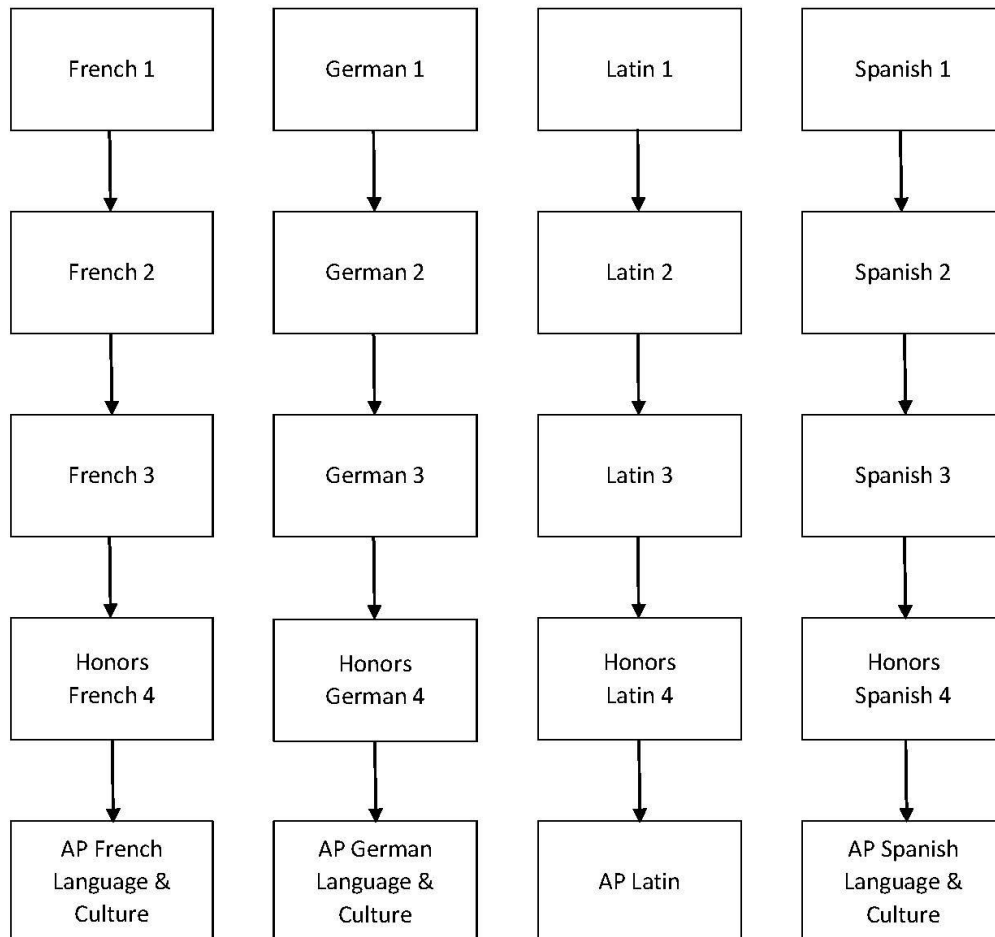
AP United States History asks students to think conceptually about the changing nature of American society, politics, and the economy over a wide-span of time. Students investigate history through seven major themes: American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America and the World; Geography and the Environment; and Culture and Society. Attention is given to analytical and interpretive issues in the field American History, and how historical trends continue to influence our country. In this course, students will engage in a variety of challenging texts, including the course textbook, primary and secondary sources, and non-print-based media, and improve their writing skills specific to historical analysis and synthesis. This course prepares students for the AP United States History exam. Students have the option to earn college credit through the AP examination. A weighted grade is given.

WORLD LANGUAGES

“The limits of my language are the limits to my world.” Ludwig Wittenstein’s words have never been more true. As our world continues to change and become more interconnected, the study of languages is more important than ever. Learning another language is more than just meeting a college entry requirement. Learning languages helps us understand other cultures, communicate with people all over the world, and participate in our global society. In a World Language classroom at Parkway Central, you will have the chance to interact with authentic resources created by speakers of the target language -- browse the Instagram feed of a German celebrity, listen to Top 40 hits from French and Spanish speaking artists, learn about life as a Roman gladiator, and so much more! In our ever changing world, you need more than Google Translate to communicate effectively in another language! Come learn a language with us!

The Level 4 courses in all languages are Honors courses. All Level 5 courses are weighted grade AP courses and offer students the opportunity to take the AP Exam. College credit may be available in French, German and Spanish Levels 3, 4 and 5 through The University of Missouri - St. Louis and/or St. Louis Community College to sophomores, juniors and seniors who qualify. Dual credit for the indicated courses is based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education.

World Languages Course Sequence



French 1**067011 & 067012**

Grade(s): 9 - 12

Credit: 1 Elective

Prerequisite: None

French 1 is an introduction to one of the most global languages of the world. Students will study various French-speaking countries and peoples to better understand their diverse cultures. Students will also begin to describe themselves, family and friends, and preferences. They will learn to speak, listen, read, and write French with their classmates through paired practice, small group work, and role plays. By the end of this course, students will have been introduced to skills, knowledge, and attitudes that will help them live and work in an increasingly global society. This course is intended for students who have never taken French.

French 2**067021 & 067022**

Grade(s): 9 - 12

Credit: 1 Elective

Prerequisite: HS Level 1 or MS Level A & B

French 2 is for students who can speak, read, understand, and write at a novice level, and want to be able to do more with the French language. Students will continue to study the history and culture of the French-speaking world. At the end of French 2, students will be able to use French to communicate for many different purposes such as telling stories, talking about the past, daily life, describing people, things, and places, and making requests. Emphasis will be on learning to communicate in French. This course is for students who have successfully completed French 1 or French A & B.

French 3**067031 & 067032**

Grade(s): 10 - 12

Credit: 1 Elective

Prerequisite: Level 2

French 3 students will be able to communicate more freely and creatively in the French language. Students will study the history and culture of various regions to better make connections within the cultures of the French-speaking world and the United States. At the end of French 3, students will be able to use the language to understand and communicate in many different situations. Emphasis will be on the products, practices and perspectives of French-speaking cultures. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education.

Honors French 4**068041 & 068042**

Grade(s): 11 - 12

Credit: 1 Elective

Prerequisite: Level 3

Organized around themes based on contemporary social, political and cultural issues of French-speaking societies, French 4 students will explore topics such as cultural identity, the changing roles in families and relationships, environmental issues, and the power of the media in today's society. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they undertake listening, speaking, reading and writing tasks and assignments featuring authentic literature, film, and topics of contemporary interest and concern. The French 4 course will seek to improve the students' ability to read and appreciate literary and non-literary texts in French. Students in French 4 will have a deeper awareness and understanding of the cultural diversity of the French-speaking world and their role in it. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. As an honors course, grades are weighted.

French 5 [AP French Language and Culture]**069051 & 069052**

Grade(s): 12

Credit: 1 Elective

Prerequisite: Level 4

The integrated study of art, history, film, literature, and music in French 5 promotes cultural knowledge and understanding as well as the further development of language skills. Students experience the culture of the French language firsthand by harnessing technology and, at times even interacting with native speakers, and exploring cultural texts. They are challenged to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they tackle listening, speaking, reading and writing tasks featuring authentic literature, film, and topics of contemporary interest and concern. Ultimately, students in French 5 will understand clearly that they are members of a diverse and increasingly global society. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. Those wanting to earn AP credit may also choose to take the Advanced Placement French Language and Culture Exam. As an AP course, grades are weighted.

German 1**067111 & 067112**

Grade(s): 9 - 12

Credit: 1 Elective

Prerequisite: None

German 1 is an introduction to the language spoken by the people of Europe's economic leader. Students will study various German-speaking countries, peoples, and cultures. They will also learn to discuss their feelings, families, friends, and daily life in simple terms. Paired practice, small group work, and role play will help students learn the language. By the end of this course students will have been introduced to skills, knowledge, and attitudes that will help them live and work in an increasingly global society. This course is intended for students who have never taken German.

German 2**067121 & 067122**

Grade(s): 9 - 12

Credit: 1 Elective

Prerequisite: HS Level 1 or MS Level A & B

German 2 is for students who can speak, read, understand, and write at a novice level, and want to be able to do more with the German language. Students will study the history and culture of various cities to better understand the variety within the cultures of the German-speaking world. By the end of German 2, students will be able to use German to communicate for many different purposes such as telling stories, talking about the past, giving preferences and opinions, describing people, things, and places, and making requests. Emphasis will be on learning to communicate in German. This course is for students who have successfully completed German 1 or German A & B.

German 3**067131 & 067132**

Grade(s): 10 - 12

Credit: 1 Elective

Prerequisite: Level 2

German 3 students will learn to communicate more freely and creatively in the German language. They will study the history and culture of various regions of the German-speaking world. By the end of German 3, students will be able to use German to understand and communicate in many different situations. Emphasis will be on the products, practices and perspectives of German-speaking culture. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education.

Honors German 4***068141 & 068142***

Grade(s): 11 - 12

Credit: 1 Elective

Prerequisite: Level 3

Organized around themes based on contemporary social, political and cultural issues of German-speaking societies, German 4 students will explore topics such as cultural identity, the changing roles in families and relationships, environmental issues, and the power of the media in today's society. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they undertake listening, speaking, reading and writing tasks and assignments featuring authentic literature, film, and topics of contemporary interest and concern. The German 4 course will seek to improve the students' ability to read and appreciate literary and non-literary texts in German. Students in German 4 will have a deeper awareness and understanding of the cultural diversity of the German-speaking world and their role in it. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. As an honors course, a weighted grade is given.

German 5 [AP German Language and Culture]***069151 & 069152***

Grade(s): 12

Credit: 1 Elective

Prerequisite: Level 4

The integrated study of art, history, film, literature, and music in German 5 promotes cultural knowledge and understanding as well as the further development of language skills. Students experience the culture of the German language firsthand by harnessing technology and, at times even interacting with native speakers, and exploring cultural texts. They are challenged to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they tackle listening, speaking, reading and writing tasks featuring authentic literature, film, and topics of contemporary interest and concern. Ultimately, students in German 5 will understand clearly that they are members of a diverse and increasingly global society. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. Those wanting to earn AP credit may also choose to take the Advanced Placement German Language and Culture Exam. As an AP course, grades are weighted.

Latin 1***067211 & 067212***

Grade(s): 9 - 12

Credit: 1 Elective

Prerequisite: None

In Latin 1, we dig into the past and explore the world of gladiators, political intrigue, and the ghosts of Pompeii. Students who take Latin will see the impact of the Roman world everywhere! One important aspect of learning Latin is to understand how languages work. With this understanding, students will gain a deeper knowledge of Latin and other languages, particularly English. In Latin 1, students will learn the basics of Latin in order to build a foundation for reading. Latin class will improve reading abilities by the learning of Latin vocabulary. After completing this course, students will have expanded their English vocabularies and gained skills for improving standardized test scores.

Latin 2**067221 & 067222**

Grade(s): 9 - 12

Credit: 1 Elective

Prerequisite: HS Level 1 or MS Level A & B

This year in Latin, students will travel to the ends of the Roman Empire and meet new characters as they continue to build upon their knowledge of the Roman world and Latin language. As in Latin 1, students will focus upon developing increasingly advanced skills in the areas of vocabulary, reading, and grammar. Through the lens of Roman conquest in Egypt and Britain, students will also explore bigger concepts of religion, imperialism, and race alongside the more amusing everyday aspects of Roman life in a province. After completing this course, students will have a solid foundation and understanding of Latin language and culture to apply to the world around them.

Latin 3**067231 & 067232**

Grade(s): 10 - 12

Credit: 1 Elective

Prerequisite: Latin 2

Within the context of the Eternal City of Rome, we build upon the previous foundations of Latin language study. Students begin to grasp the complexities of the Latin language and continue to develop and improve upon their Latin reading and vocabulary skills. Students will begin to encounter real Roman authors. Through the use of more advanced Latin reading skills, students will find themselves swept up in the intrigues of urban Roman life and will explore the history and monuments of ancient Rome. At the completion of this course, students will have learned the majority of Latin grammatical concepts and will be ready for more advanced literary study.

Honors Latin 4**068241 & 068242**

Grade(s): 11 - 12

Credit: 1 Elective

Prerequisite: Latin 3

Veni, Vidi, Vici! This course concludes the acquisition of Latin grammar and introduces historical Roman authors. Students will see their years of hard work pay off as they delve into selected readings from Virgil, Cicero, Ovid, Pliny, Horace, Catullus, and/or Caesar. Students will be able to read these challenging texts well by combining their previously acquired knowledge of grammar with new concepts of literary analysis and devices, historical context, and interpretation. This course will help students develop an appreciation for the foundations of Western literature. As an honors course, a weighted grade is given.

Latin 5 [AP Latin]**069251 & 069252**

Grade(s): 12

Credit: 1 Elective

Prerequisite: Latin 4

This course will include readings of extended portions of Latin writers, e.g., Virgil, Cicero, Ovid, Pliny, Horace, Catullus. Readings will be selected to serve the needs and interests in the class. The works will be discussed in detail, using methods of literary analysis and developing historical background. Students wanting to earn AP credit may choose to take the Advanced Placement Latin Exam. As an AP course, grades are weighted.

Spanish 1**067311 & 067312**

Grade(s): 9 - 12

Credit: 1 Elective

Prerequisite: None

Spanish 1 is an introduction to one of the most widely spoken languages in the world. Students will study various Spanish-speaking countries and peoples to better understand their diverse cultures. Students will also begin to discuss their feelings, family and friends, and daily life. They will speak and write with their classmates through paired practice, small group work, and role plays. By the end of this course, students will have been introduced to skills, knowledge, and attitudes that will help them live and work in an increasingly global society. This course is intended for students who have never taken Spanish.

Spanish 2**067321 & 067322**

Grade(s): 9 - 12

Credit: 1 Elective

Prerequisite: HS Level 1 or MS Level A & B

Spanish 2 is for students who can speak, read, understand, and write at a novice level, and want to be able to do more with the Spanish language. Students will continue to study the cultures and histories of various Spanish-speaking countries. By the end of the course, students will be able to use the language to communicate for many different purposes such as telling stories, talking about the past, giving preferences and opinions, describing people, things, and places, and making requests. Emphasis will be on learning to communicate in Spanish. This course is for students who have successfully completed Spanish 1 or Spanish A & B.

Spanish 3**067331 & 067332**

Grade(s): 10 - 12

Credit: 1 Elective

Prerequisite: Level 2

Spanish 3 students will learn to communicate more freely and creatively in the Spanish language. They will study the history and culture of various regions to better make connections within the cultures of the Spanish-speaking world and the United States. By the end of the course, students will have learned to use Spanish to understand and communicate in many different situations in the present, past and future. Emphasis will be on the products, practices and perspectives of Spanish speaking cultures. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education.

Honors Spanish 4**068341 & 068342**

Grade(s): 11 - 12

Credit: 1 Elective

Prerequisite: Level 3

Organized around themes based on contemporary social, political and cultural issues of Spanish-speaking societies, Spanish 4 students will explore topics such as cultural identity, the changing roles in families and relationships, environmental issues, and the power of the media in today's society. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they undertake listening, speaking, reading and writing tasks and assignments featuring authentic literature, film, and topics of contemporary interest and concern. The Spanish 4 course will seek to improve the students' ability to read and appreciate literary and non-literary texts in Spanish. Students in Spanish 4 will have a deeper awareness and understanding of the cultural diversity of the Spanish-speaking world and their role in it. Dual credit may be available for this course courses based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. As an honors course, grades are weighted.

Spanish 5 [AP Spanish Language and Culture]**069351 & 069352**

Grade(s): 12

Credit: 1 Elective

Prerequisite: Level 4

The integrated study of art, history, film, literature, and music in Spanish 5 promotes cultural knowledge and understanding as well as the further development of language skills. Students experience the culture of the Spanish language firsthand by harnessing technology and, at times even interacting with native speakers, and exploring cultural texts. They are challenged to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they tackle listening, speaking, reading and writing tasks featuring authentic literature, film, and topics of contemporary interest and concern.. Ultimately, students in Spanish 5 will understand clearly that they are members of a diverse and increasingly global society. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. Those wanting to earn AP credit may also choose to take the Advanced Placement Spanish Language and Culture Exam. As an AP course, grades are weighted.

PARKWAY choice programs

Students who are interested should contact their counselor regarding the process for enrolling in these courses or contact Dr. Jennifer Stanfill, Director of Choice Programs at jstanfill@parkwayschools.net or 314.415.8450.

spark!

Spark! provides high school students in the Parkway and Rockwood School District with dynamic, immersion-based student learning experiences to ensure students can understand and respond to an ever-changing world. To accomplish this task, the districts actively engage and work collaboratively with business partners, community service and educational leaders to design and develop mutually beneficial learning experiences based on the interests of students and stakeholders. Spark! serves students from Parkway North, Parkway South, Parkway West, Parkway Central, Fern Ridge, Eureka, Marquette, Rockwood Summit, and Lafayette High Schools. Spark! is an example of how business, community and public education can partner to produce personalized learning experiences that educate the workforce of the future, especially in high skill, high demand jobs. The deadline to apply for Spark! is January 30, 2022.

207491 & 207492

SPARK! BIOSCIENCE

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

Want to learn more about living organisms through regular interactions with academic and business experts and trips to local institutions? Try out Spark! Bioscience. This program provides students with a passion for the biological sciences the opportunity to work with experts in the field. If your interests lie with the micro or macro, with plants, animals, or humans, this experience will provide opportunities for research, inquiry, and project based learning.

207431 & 207432

+SPARK! ENGINEERING

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

Spark! Engineering is modeled after cutting-edge engineering schools like MIT School of Engineering, Olin College of Engineering, Stanford School of Engineering, Purdue University, inspired by Project Lead the Way, and endorsed by local universities. The course is designed for students who are interested in engineering and manufacturing fundamentals, entrepreneurship, and innovation. Immerse yourself with engineers and manufacturers using state-of-the-art tools and software to create and test 3D prototypes solving complex problems. Apply lean manufacturing processes that create value for customers and drive out the waste in production. Students experience hands-on, active learning with full immersion in real-world projects sponsored by business partners. Students work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Engineering projects are tailored to student interest in the fields of chemical, electrical, mechanical, civil, environmental, software/ computer, architectural, advanced manufacturing, robotics, biological, and environmental.

207461 & 207462
SPARK! INCUBATOR

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

The Incubator is a business incubator where students will learn the skill sets necessary to move an idea from light bulb to launch. They will live and learn stages of ideation, business development, perfected pitch proposals and business implementation. They will be part of a team and use critical thinking to grow ideas to the next level. The Incubator will support students in the development of a start-up company, social enterprise or nonprofit organization. Dual credit is available through Maryville University and Lindenwood University.

207451 & 207452
SPARK! PRE-PROFESSIONAL HEALTH SCIENCES ACADEMY

Grade: 12

2 Elective credits

Prerequisite: Senior standing

Spark! Health Sciences is an engaging experience that examines the dynamic and diverse field of medicine and healthcare. During this experience, students will be exposed to the variety of opportunities and benefits of careers related to health sciences. Spark! Health Sciences participants will expand upon principles of human physiology, develop fluency in basic medical terminology, formulate treatment plans for patients and engage in First Aid and CPR training. Students will receive essential foundational knowledge based on industry demand, while also participating in clinical experiences across the continuum of care that may consist of job shadows, group projects, service learning and individualized mentorship. Diverse healthcare professionals will serve as guest lecturers and outside learning experiences will involve site visits to a variety of medical and healthcare facilities. Articulated credit is available through St. Louis Community College.

207541/207542
SPARK! SPORTS MEDICINE

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

Spark! Sports Medicine is designed for students interested in professions in sports medicine such as athletic training, physical therapy, orthopedics, and sports performance. In this program, students will gain a fundamental understanding of the human body, human performance, and human movement. Students will acquire skills to prevent, evaluate, and treat sports injuries. In addition, students will understand current trends in the healthcare industry and the importance of interprofessional collaboration to improve patient care.

Relevant industry topics such as sports medicine principles, anatomy and physiology, biomechanics, exercise physiology, and therapeutic modalities will also be discussed. Throughout the Spark! Sports Medicine experience, students will connect with expert healthcare professionals and engage in fieldwork, simulations, case studies, and internship experiences for authentic observation and skill application.

207471 & 207472
SPARK! TEACHING & LEARNING

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

Spark! Teaching and Learning immerses students in teaching and learning. Students will understand learning styles, teaching methodologies, technology integration, cultural responsiveness and a focus on data-driven decision making in the schooling system. Students will engage in a collaborative relationship between teachers, administrators, students and families. This experience will focus on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education. Students will experience the true essence of the teaching and learning process through observation, interaction and teaching. Dual credit is available for this course.

207401 & 207402

SPARK! TECHNOLOGY SOLUTIONS

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

For independent juniors and seniors who want to solve problems with digital technologies, Spark! Technology Solutions is a course that provides time, resources, and mentors. Unlike a typical class, students determine what skills they focus on and deeply learn. Students may pursue passions in video production, app development, graphic design, cybersecurity, web development, game design and more. During first semester, students apply their learning to team projects from industry partners, and, in second semester, to internships with technical and creative firms. At least one year of technical coursework or equivalent experience is highly recommended.

Visit <http://parkwayspark.com> to apply for Spark! Experiences.

early college

In partnership with St. Louis Community College at Wildwood

What is the Parkway Early College Partnership?

The Early College Partnership (ECP) is a full-immersion, early entrance to college program located on the campus of St. Louis Community College (STLCC) at Wildwood. Students attend the ECP for two years, replacing the junior and senior years of traditional high school. While in the ECP, students engage in a curriculum consisting of all college coursework taught by professors at STLCC-Wildwood. Upon successful completion, students earn an Associate of Arts degree, as well as a high school diploma.

What resources are provided to students participating in the ECP?

- Students will have access to a full-time counselor and college advisor
- Students will have access to the Wildwood Student Resource Center, Library, and Computer Labs, as well as student clubs and campus activities

Why should my son/daughter participate in the ECP?

This is a unique and innovative opportunity for students to join a cohort of high school students who are studying in a non-traditional setting on the campus of a community college. This experience provides schedule flexibility and an associates degree upon completion of the program.

What are the requirements for admissions into the ECP?

- Students must currently be in 10th grade
- Students must complete the [online Parkway Early College Partnership application](#) available at [parkwayecp.com](#).
- Students must submit a signed copy of the [Expectations and Responsibilities of the Parkway Early College Partnership](#).
- Students must submit ACT scores or take the [ACCUPLACER](#) to show college readiness.
- Students are responsible for their own transportation to and from STLCC-Wildwood.

How are students selected for the ECP?

A committee of administrators and counselors will review:

- Classroom performance for courses taken in 9th and 10th grade
- Attendance
- Academic potential
- Academic engagement
- Time-management skills
- Access to post-secondary learning
- Cumulative GPA of 2.5 or higher*
 - *Students with a GPA below 2.5 may apply but will require one recommendation from a Parkway staff member
- Discipline history
- ACT results (if applicable) or ACCUPLACER college readiness scores
- Student responses to application prompts
- [A commitment to abide by the expectations and responsibilities of the Parkway Early College Partnership](#).

What is the deadline for applying to the ECP?

The online application must be submitted by January 30, 2022. Supporting paperwork (Expectations and Responsibilities Signature Page and ACCUPLACER scores) must also be submitted by January 30, 2022.. Students will be informed of acceptance to the program by March 1, 2022. All accepted students will attend an Orientation at STLCC-Wildwood in the spring.

What calendar will my child follow?

Students will follow the STLCC academic calendar and are required to be in attendance for all classes.

Can my child take classes at his/her high school?

This program is designed to take all classes on the campus of the STLCC-Wildwood; however, in rare cases, a high school course may be approved by the Director of Choice Programs and Principal.

Can my child participate in extracurricular activities at his/her high school?

Yes, students may return to their home high school for extracurricular activities and sports.

Will students with IEPs or 504s be eligible for participation in ECP?

Yes. Students will have the opportunity to visit the Access office at STLCC for support, as well as their high school counselor, IEP case manager, and ECP coordinator.

Should my student continue participating in the A+ Schools Program?

Yes, we recommend students continue with the A+ Schools Program for the following reasons:

- There may be opportunities for access to benefits at 4-year colleges and universities
- A+ funds may be utilized for additional STLCC courses beyond the associate's degree
- If a student decides to opt out of the ECP program at any time, they can continue working on A+ eligibility requirements

Will all the STLCC credits transfer to a 4-year institution?

Students who are planning to attend a public, 4-year institution in Missouri will benefit from the [CORE 42](#). The purpose of CORE 42 is to facilitate the seamless transfer of academic credits. The completion of the CORE 42 at any public institution of higher education will transfer to every other public institution of higher education in the state and substitute for the receiving institution's general education requirement.

Many out-of-state and/or private colleges also accept the majority of credits earned through the ECP program.

Who pays for the ECP?

- The Parkway School District will cover the costs of tuition and fees of college classes for up to sixty (60) total credits. Students are required to maintain passing grades (C or better) in all classes.
- Students are responsible for the cost of books.

How will students receive high school credit?

All STLCC grades will be posted on the Parkway Schools transcript and will count towards graduation. Courses taken at STLCC are not weighted on the Parkway transcript since a college GPA and transcript will ultimately override the high school transcript when applying to colleges.



St. Louis Community College at Wildwood

fern ridge

Fern Ridge serves as an extension of Parkway's four traditional high schools. Designed for students in grades 10 through 12 who prefer a small and personalized school setting, the program provides individual, small group, and whole group learning opportunities. Teachers utilize Parkway curriculum and students receive Parkway credit. Transportation is provided.

Admission is based not only on the program's ability to meet a student's academic, social, and emotional needs, but also on a student's desire and level of commitment to be successful. Applications and additional information about the program are located at <https://www.parkwayschools.net/Domain/32>. Attending Fern Ridge is a privilege and space is limited to 110 students.



The Missouri Course Access and Virtual School Program (MOCAP) has developed a catalog of virtual online courses for students. Parkway students are able to take an entire course from any Internet-connected computer, available 24 hours a day, seven days a week. MOCAP's mission is to offer Missouri students equal access to a wide range of high-quality courses, flexibility in scheduling, and interactive online learning. Credits earned from these courses will count toward Parkway graduation requirements.

The state-approved course catalog and approved vendor list are available [HERE](#).

For students who wish to take a course through the MOCAP program, we encourage families to consider our preferred, third-party, online vendor, [Launch](#). If students wish to access a different course through another MOCAP provider, they are welcome to do so.

The application for MOCAP courses for the 2022-2023 school year is available [HERE](#).

Once an application has been submitted, a school team (or IEP/504 team) will review the request and make a "best educational interest" determination by evaluating the following:

- (1) Student has the pre-requisite for the requested course
- (2) Student has been successful in previous online coursework
- (3) Student will have access to academic supports that he/she has previously utilized and benefited from
- (4) Student course request(s) will meet special education and/or 504 needs
- (5) Student course requests will not exceed 7 scheduled classes

If the request is approved, the student will be enrolled with the appropriate MOCAP vendor.

Students requesting Missouri Course Access (MOCAP) courses must do so within the district enrollment period, which ends 10-days prior to the start of each semester. Students requesting a course after the enrollment period may result in a denial of the request since it is not in the best educational interest of a student to begin a MOCAP course mid-semester. The student may be approved to enroll in the same course during the following semester's enrollment period.

For any questions regarding virtual learning in Parkway, please visit [parkwayschools.net/Page/11608](https://www.parkwayschools.net/Page/11608) or contact Dr. Jennifer Stanfill at jstanfill@parkwayschools.net or (314) 415-8450.

tech

In collaboration with partner districts, South Technical High School provides technical education designed to ensure the student's successful contribution to our community. South Tech offers students in grades 10-12 the opportunity to explore options and experience interests from 24 different technical majors.

Click [HERE](#) for a video presentation of South Tech.

More information can be found at: <https://www.ssdmo.org/southtech>

2022-23 PROGRAM OFFERINGS

**AUTO COLLISION REPAIR
AUTOMOTIVE TECHNOLOGY
CARPENTRY
CISCO NETWORKING ACADEMY
CONSTRUCTION INNOVATIONS
CONSTRUCTION TRADES
COSMETOLOGY
CULINARY ARTS
DENTAL SCIENCES
DESIGN & ENTREPRENEURSHIP
EARLY CHILDHOOD EDUCATION
ELECTRICAL TRADES
ELECTRONICS & ROBOTICS
FIREFIGHTING & EMT
FLOOR LAYERS MIDDLE APPRENTICESHIP
GRAPHIC DESIGN
HEALTH SCIENCES
HEATING, VENTILATION, AND AIR CONDITIONING
LAW ENFORCEMENT
PHARMACY SCIENCES
PRECISION MACHINING
VETERINARY ASSISTANT
WEB & COMPUTER PROGRAMMING
WELDING**

summer

NEW for 2022-2023! Students interested in registering for summer classes can submit their course requests during the 2022-2023 school year registration process.

Here is an overview of the summer course offerings:

Credit Recovery - Credit Recovery courses are designed for students who have taken and previously failed the course in a previous semester. All credit recovery courses will be offered **in-person** at Parkway North High School.

In-Person Summer School will be held from June 13-July 15. Students will attend school in-person Monday through Thursday each week. Friday's will be reserved for asynchronous learning and/or classroom assessments. Students can take a maximum of two, Credit Recovery courses. Period 1 will meet from 7:30-10:15 a.m. and Period 2 will meet from 10:45-1:30 p.m.

Transportation to Parkway North High School will be provided via shuttle buses from each Parkway elementary school.

Students may request up to 2 online credit recovery courses through Launch, Parkway's preferred, third-party online provider by submitting a request [HERE](#).

Credit Advancement - Credit Advancement courses are designed for students who are taking the course for first-time credit. If a student has taken the course and previously failed, they are allowed to register for a Credit Advancement course to re-attempt the credit. All credit advancement courses will be offered **virtually** in an asynchronous manner, meaning that students will learn on their own schedule within a certain time frame (typically one week). Students will access and complete lectures, readings, homework, assignments, and other learning materials by instructor-defined deadlines.

Virtual Summer School classes will be held from June 13-July 15. There will be a mandatory, synchronous class meeting at the beginning of the summer term. In addition, students may be asked to attend other meetings based on their performance in the class.

If a student is interested in a third-party, online course through the Missouri Course Access Program, please contact Dr. Jennifer Stanfill at (314) 415-8450 or jstanfill@parkwayschools.net.

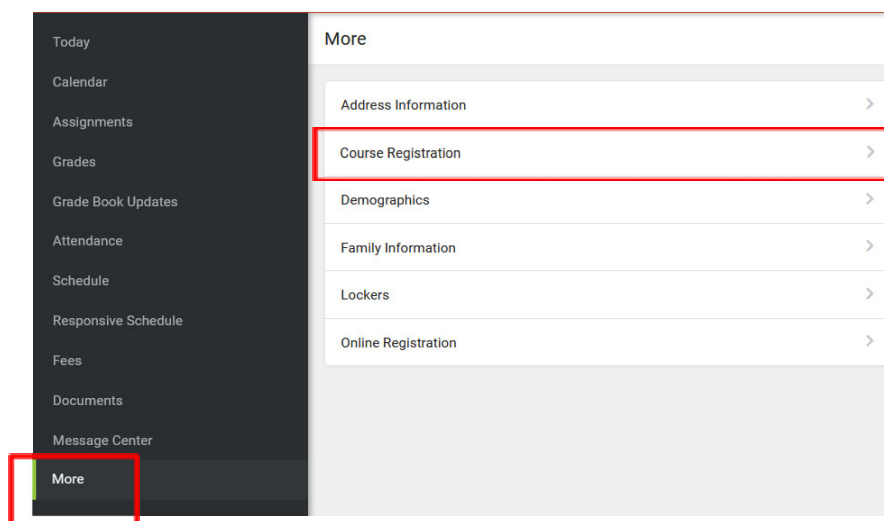
Students will be able to request Summer School classes beyond the course registration timeline. Contact your counselor for more information.

INSTRUCTIONS FOR 2022 SUMMER SCHOOL STUDENT COURSE REGISTRATION IN INFINITE CAMPUS

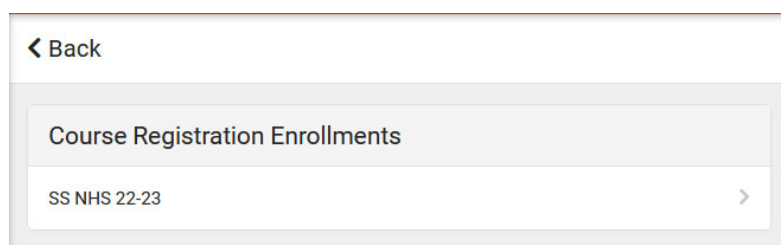
This document explains the process of how a student can register for next year's summer school courses using the Campus Portal. **NOTE:** The Maryville College Admissions Program is not "requestable" in IC. Students will need to complete the program application if they are interested in this opportunity.

Follow the steps below to register for classes:

1. To access the portal login screen, go to: <https://parkwaymo.infinitecampus.org/campus/portal/parkway.jsp>, choose Campus Student.
2. Log in with your Portal username and password.
3. Click **More**, then **Course Registration**.



4. Click on the summer school calendar. All students (in-person and virtual) will enroll in summer school through the SS NHS 22-23 calendar.



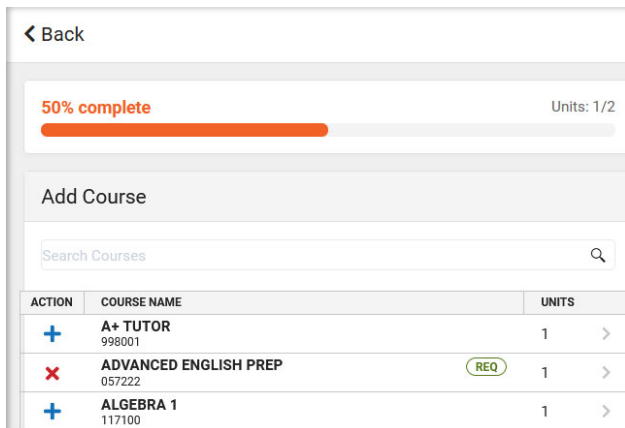
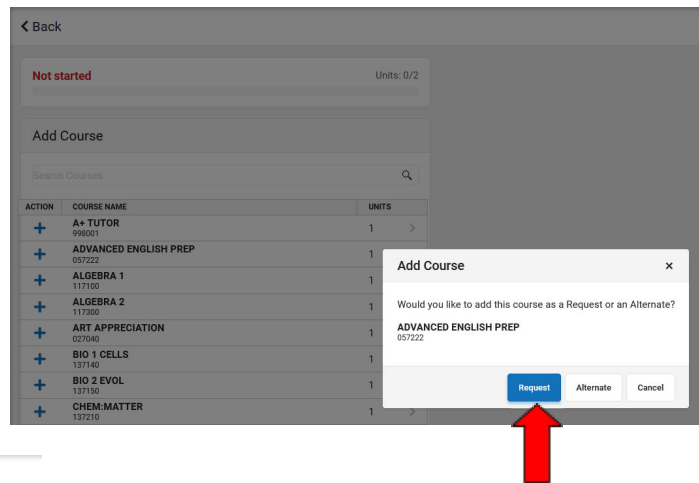
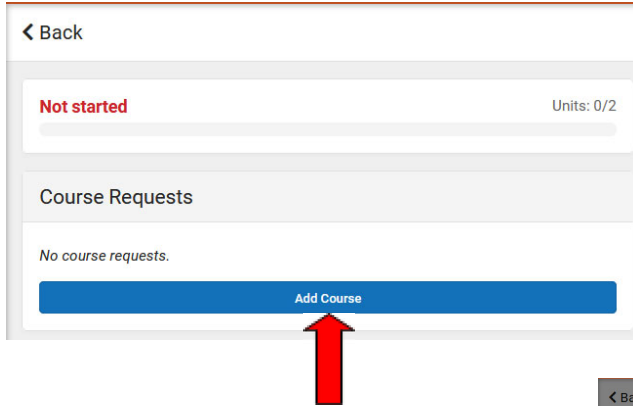
Required, Requested and Alternate Courses

1. Courses that your counselor added (to fulfill graduation requirements, etc.) may appear and will display as **Required**. Changes to these requests cannot be made, but you can discuss the choices with your counselor.
2. Courses you requested display as **Requests**. These requests can be modified (changed to Alternates, removed, etc.)
3. Courses you requested as alternates display as **Alternates**. These requests can also be modified.

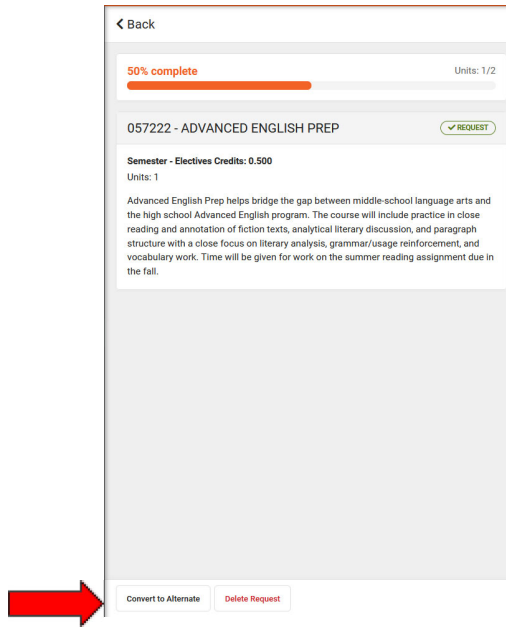
Request Courses

1. Click the **Add Course** button. A list of available courses will be displayed.

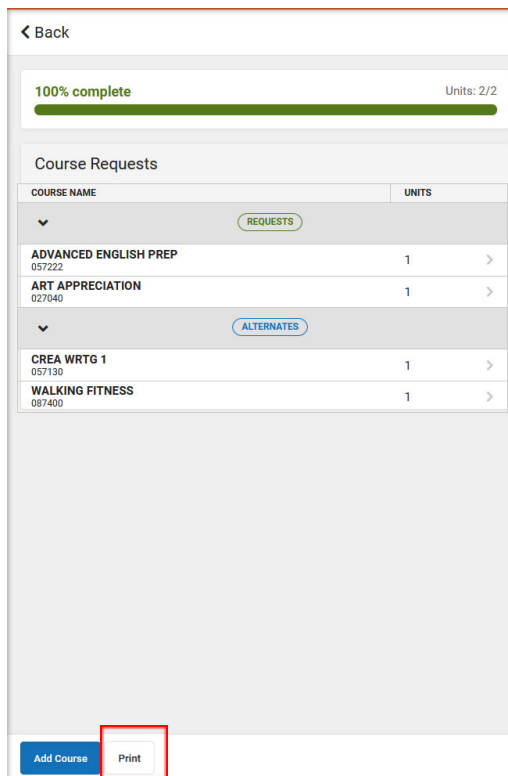
2. Scroll to find a class you would like or begin typing the name of the course in the Search field. Matching results display below the search field. The right arrow will give unit information and a description of the course.
3. Add the course by clicking on the course name, then the **Add Request** button. Or, click the **Add Alternate** button. This adds the course as an alternate choice, in case you cannot be scheduled into your request(s).
4. Return to the Add Course screen by clicking **Back**.
5. You can also add courses by clicking the blue **+** to the left of the course name. In the pop-up message that displays, select **Request, Alternate** or **Cancel**.



6. Change a course request to an alternate by selecting it from your list of courses and clicking the **Convert to Alternate** button.
7. Delete a request by clicking the red **X** from the search results or by selecting the course and clicking **Delete Request**.



- When finished selecting courses, review the requests you have made and make adjustments as needed. Click the **Print** button to generate a PDF of your required, requested and alternate courses.



Summer 2022 Courses Available

CAREER & TECHNICAL EDUCATION

037010 Introduction to Computer Technologies

Credit Advancement/Asynchronous Virtual

Credit Value: 1/2

Credit Type: CTE

Prerequisite: None

Start Grade: 09

Stop Grade: 12

Description:

The purpose of this course is to provide students with an opportunity to develop a strong foundation in computer and information literacy. This course is a broad introduction to the use of computers as tools for creativity, communications and organizing information. Students will learn about online tools, word processing and spreadsheet software, as well as publishing and presentation software. Students will learn how to use computers flexibly, creatively and purposefully. All learners will be able to recognize what they need to accomplish and determine how they can utilize their digital literacy skills and knowledge to best approach the task.

037350 Introduction to Business

Credit Advancement/Asynchronous Virtual

Credit Value: 1/2

Credit Type: CTE

Prerequisite: None

Start Grade: 09

Stop Grade: 10

Description:

This course will provide a solid foundation in business principles which are immediately applicable to students' lives. Through the use of interactive technology, presentations, and project management students are made aware of the integral role that they play in today's ever-changing global economy. The units presented are economics, entrepreneurship, marketing, and international business. The experiences students gain in this course will help them to succeed in future personal and business endeavors.

037900 Virtual Foundations of Video Game Design

Credit Advancement/Asynchronous Virtual

Credit Value: 1/2

Credit Type: CTE

Prerequisite: None

Start Grade: 09

Stop Grade: 12

Description:

This virtual course will provide students with a complete understanding of the creative and technological sides of video game design. The course will introduce students to the different areas of game design. From design, integration, and marketing, students will be introduced to the complete cycle of video game design. Along with exploring the profession of video game design, students will be introduced to another avenue of computer science. This course is an introductory course for students with an interest in computer programming, computer science, web design and multimedia.

ELECTIVES

998001 A+ Tutoring Cadet Teaching

Credit Advancement/Asynchronous Virtual

NOTE: Tutoring may occur in-person.

Credit Value: 1/2

Credit Type: Electives

Prerequisite: Junior or senior standing and enrolled in the A+ Program. The student must have a career GPA of 2.5 or better.

Start Grade: 11

Stop Grade: 12

Description:

This course provides students with an opportunity to tutor individual students one-on-one or in a small group setting in order to earn tutoring hours towards the 50 hour requirement for the A+ Program. Students are assigned as classroom assistants to a teacher at a school in Parkway. Transportation to the feeder schools is the responsibility of the student.

057222 Advanced English Prep

Credit Advancement/Asynchronous Virtual

Credit Value: 1/2

Credit Type: English

Prerequisite:

Start Grade: 09

Stop Grade: 10

Description:

Advanced English Prep helps bridge the gap between middle-school language arts and the high school Advanced English program. The course will include practice in close reading and annotation of texts, analytical literary discussion, and paragraph structure with a close focus on literary analysis, grammar/usage reinforcement, and vocabulary work.

116050 Prep Algebra 1

Credit Advancement/Asynchronous Virtual

Credit Value: 1/2

Credit Type: Electives

Prerequisite:

Start Grade: 09

Stop Grade: 12

Description:

This course is designed to introduce students to the basic algebraic properties, vocabulary, and concepts. It will prepare students for success in Algebra 1 during the coming year. Students who have failed a semester of Algebra should not take this course.

116060 Prep Algebra 2

Credit Advancement/Asynchronous Virtual

Credit Value: 1/2

Credit Type: Electives

Prerequisite:

Start Grade: 10

Stop Grade: 12

Description:

This course is designed for review of basic algebraic properties, vocabulary and concepts. It will prepare geometry students for success in Algebra 2 during the coming year. Students who have failed a semester of Algebra 2 or Algebra 2/Trig should not take this course.

116070 Prep Geometry**Credit Advancement/Asynchronous Virtual****Credit Value:** 1/2**Credit Type:** Electives**Prerequisite:****Start Grade:** 09**Stop Grade:** 12**Description:**

This course is designed to introduce students to the basic geometric properties, vocabulary, and concepts. It will prepare algebra students for success in geometry during the coming year. Students who have failed a semester of geometry should not take this course.

961000 School Success**Credit Advancement/Asynchronous Virtual****Credit Value:** 1/2**Credit Type:** Electives**Prerequisite:** None**Start Grade:** 09**Stop Grade:** 12**Description:**

This course focuses on learning proven strategies to increase student success and applying those strategies that work best for each individual student; Topics covered include, but are not limited to; organizational skills, time management, reading strategies, note taking, flashcard schema, memorization and how your brain works, critical thinking, scientific method, conducting and presenting research, ACT test practice and ACT test strategies, coping with test anxiety, cooperative learning skills, graphing skills, listening skills, problem solving format for science, dimensional analysis of units for science, math sense.

ENGLISH LANGUAGE ARTS**057010 English 1****Credit Recovery/In-Person****Credit Value:** 1/2**Credit Type:** English**Prerequisite:** None**Start Grade:** 09**Stop Grade:** 09**Description:**

In this course, students will read and study a variety of genres connected by powerful themes in the world. Genres will include short story, storytelling, poetry, spoken word and other performance literature, novels, and non-fiction. Students will grow their reading stamina and comprehension and analysis skills, and make personal and global connections within and across texts. Students will approach texts as a reader and a writer. As writers, students in this course will strengthen the craft of writing, focusing on meaningful processes of topic and evidence exploration, matching organization structures or forms to audience and purpose. Students will practice effective communication skills in writing, audio composition, speaking, collaborating, and listening.

057020 English 2
Credit Recovery/In-Person
Credit Value: 1/2
Credit Type: English
Prerequisite: None
Start Grade: 10
Stop Grade: 10

Description:

In this course, students will read and study literature that represents multiple perspectives. Genres will include memoir, poetry, short story, performance literature, narrative nonfiction, and novels. Goals include broadening the student's reading life, increasing reading stamina, deepening analysis skills across and within text, and making connections between the world and others. Composition continues to focus on improving the craft of writing, and growing each student's independent skills as a writer with authentic writing tasks that blend writing modes to best match audience, purpose, and style in creative writing, academic writing, research, and digital composition. The Missouri English 2 End of Course (EOC) Assessment is given at the conclusion of this course.

057030 English 3
Credit Recovery/In-Person
Credit Value: 1/2
Credit Type: English
Prerequisite: None
Start Grade: 11
Stop Grade: 11

Description:

This course focuses on the variety of ways the American dream and identity has evolved for different groups of people over time, as presented in the novels, plays, essays, poetry, and short stories of American writers. Emphasis is placed on development of the student as a critical reader and intentional writer. Students continue to develop their composition, rhetoric, research, critical thinking, vocabulary, communication, and study skills.

057130 Creative Writing 1
Credit Advancement/Asynchronous Virtual
Credit Value: 1/2
Credit Type: English
Prerequisite: None. May not be a substitute for English 1, 2, or 3.
Start Grade: 10
Stop Grade: 12

Description:

The goal of this course is to encourage and nurture the student's innate creativity. Students will study techniques used by professional writers and will be motivated with enticing writing activities designed to help them improve their skills while experiencing the pleasure of success. Writing may include plays, short stories, poetry, personal narratives, and various other creative modes.

057540 Comparative Mythology
Credit Advancement/Asynchronous Virtual
Credit Value: 1/2
Credit Type: English
Prerequisite: none
Start Grade: 10
Stop Grade: 12

Description:

Students will explore and examine the myths of many cultures from around the world. Through analysis and comparison, students will gain an understanding and appreciation of the importance of myths throughout various places and times.

FINE ARTS

027000 Design Arts

Credit Advancement/Asynchronous Virtual

Credit Value: 1/2

Credit Type: Fine Arts

Prerequisite: None

Start Grade: 09

Stop Grade: 12

Description:

Design Arts provides students an opportunity to develop projects based on the knowledge, understanding, and application of the elements of art and principles of design. Students will experience the creative problem solving process, learn technical skills in a variety of media and learn to verbally evaluate their work and the work of others. Students may need to come to the summer school building to pick-up materials and supplies for this course.

027040 Art Appreciation

Credit Advancement/Asynchronous Virtual

Credit Value: 1/2

Credit Type: Electives

Prerequisite: None

Start Grade: 09

Stop Grade: 10

Description:

Art Appreciation offers visual and technical explorations in the fundamentals of art history and art production. Students will have opportunities to experiment with a wide variety of art media in addition to developing the skills necessary to analyze and interpret works of art. Art Appreciation provides a friendly foundation for future art courses, including A.P. Art History, Ceramics, Photography, Drawing, and Design Arts, as students learn to combine art historical knowledge with technical skills.

HEALTH & PHYSICAL EDUCATION

077100 Health & Wellness

Credit Advancement/Asynchronous Virtual

Credit Value: 1/2

Credit Type: Health

Prerequisite: None

Start Grade: 10

Stop Grade: 10

Description:

Health and Wellness education is required for all students during their sophomore year. This comprehensive course includes the topics of personal wellness, nutrition, safety and first aid, disease prevention, human sexuality and healthy relationships, substance abuse and prevention, and community/environmental health. This course meets the 1/2 credit health education requirement for Missouri and Parkway high school graduation.

087120 Athletic and Skill-Related Fitness
Credit Advancement/Asynchronous Virtual
Credit Value: 1/2
Credit Type: PE
Prerequisite: Physical Fitness Concepts
Start Grade: 10
Stop Grade: 12

Description:

This course will focus on the development of skill-related components of physical fitness to improve athletic performance and physical fitness. Students will participate in a variety of learning activities, movement drills, physical training, and sports activities that assist in the development of speed, power, balance, agility, coordination, reaction time, and muscle fitness). Students will be expected to assess their fitness skill abilities and develop a personal fitness plan, incorporating fitness training principles and safety guidelines. This course meets the second 1/2 physical education credit requirement for graduation.

For students to document activity, a wearable device (Apple Watch, Fitbit, Garmin, Samsung, Polar) is required. Students will use the Strava App to log and submit activities. More details will be available in your class syllabus. Wearables are available for checkout from the district. Fees applied if not returned.

087160 Personal Fitness Concepts-V Summer
Credit Advancement/Asynchronous Virtual
Credit Value: 1/2
Credit Type: PE
Prerequisite: none
Start Grade: 09
Stop Grade: 12

Description:

This course is the first required course to be taken in the physical education department and fulfills one-half of the physical education requirement. The content of the course involves participation in physical fitness activities*, an aquatic fitness unit**, and exposure to a variety of sport and lifetime-recreational activities. Emphasis will be placed on self-assessment, achievement, and maintaining personal health-related physical fitness goals. As a requirement of the course, the students will be responsible for developing and implementing a personal fitness plan.

*For students to document activity, a wearable device (Apple Watch, Fitbit, Garmin, Samsung, Polar) is required. Students will use the Strava App to log and submit activities. More details will be available in your class syllabus. Wearables are available for checkout from the district. Fees applied if not returned.

**As part of the aquatic fitness unit, students will need access to a pool, private or public. There will be time available throughout the summer to use the High School pools in the district. Your instructor will have those dates and times posted.

087400 Walking and Low-Impact Physical Activities**Credit Advancement/Asynchronous Virtual****Credit Value:** 1/2**Credit Type:** PE**Prerequisite:** Physical Fitness Concepts**Start Grade:** 10**Stop Grade:** 12**Description:**

This course introduces students to walking for fitness, as well as a variety of other low-to-moderate lifetime and leisure physical activities. A major expectation of this course is for students to develop their personal fitness and to develop competency with a variety of physical activities that promote lifelong fitness. Students will also be expected to assess their personal fitness and develop a personal health plan, incorporating fitness training principles, as well as safety and dietary guidelines. This course meets the second .5 physical education credit requirement for graduation.

For students to document activity, a wearable device (Apple Watch, Fitbit, Garmin, Samsung, Polar) is required. Students will use the Strava App to log and submit activities. More details will be available in your class syllabus. Wearables are available for checkout from the district. Fees applied if not returned.

MATHEMATICS**117100 Algebra 1****Credit Recovery/In-Person****Credit Value:** 1/2**Credit Type:** Math**Prerequisite:** Math 8**Start Grade:** 9**Stop Grade:** 12**Description:**

The primary goal in Algebra 1 is to help students transfer their tangible mathematical knowledge to more abstract algebraic generalizations. Topics include recognizing and developing patterns and using tables, graphs and equations for both linear and nonlinear functions. An improved understanding of these topics will help students better understand and respond to the challenges of our ever-changing world. At the conclusion of this course, students will take the Algebra 1 End of Course Assessment required by the state of Missouri for students who have not previously completed the exam.

117210 Geometry**Credit Recovery/In-Person****Credit Value:** 1/2**Credit Type:** Math**Prerequisite:** Algebra 1**Start Grade:** 9**Stop Grade:** 12**Description:**

This course requires students to focus on logical proof and critical thinking when solving problems or evaluating arguments. There is an emphasis on deductive reasoning and critical thinking. Geometric properties and concepts in both the plane and 3-dimensional space are covered. Topics include logic and probability, angles and lines, transformations, similarity, triangles, trigonometry, circles, and other polygons.

117300 Algebra 2
Credit Recovery/In-Person
Credit Value: 1/2
Credit Type: Math
Prerequisite: Geometry
Start Grade: 10
Stop Grade: 12

Description:

This course continues the exploration of functions which began in Algebra I. Students will analyze functions graphically, numerically, algebraically and investigate how these functions can be used to represent real world data. Functions that will be studied include linear, quadratic, absolute value, polynomial, rational, radical, exponential, and logarithmic. This course is not recommended for students planning to pursue a career in a STEM or Business field.

PERSONAL FINANCE

037100 Personal Finance
Credit Advancement/Asynchronous Virtual
Credit Value: 1/2
Credit Type: Pers Finance
Prerequisite: None
Start Grade: 10
Stop Grade: 12

Description:

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

SCIENCE

137140 Biology 1: Cells and Variation
Credit Recovery/In-Person
Credit Value: 1/2
Credit Type: Science
Prerequisite: None
Start Grade: 09
Stop Grade: 10

Description:

This is the initial semester course in a sequence of biology courses that together will provide a college preparatory experience in the life sciences. This course has the theme: What is the basis of life and how does it vary? Students will conduct controlled experiments using the experimental design process. They will study biochemistry, prokaryotic and eukaryotic cells and cell environment, aspects of cell division, Mendelian genetics, meiosis, and the unity and diversity of life.

137150 Biology 2: Evolution & Ecology**Credit Recovery/In-Person****Credit Value:** 1/2**Credit Type:** Science**Prerequisite:** Biology 1: Cells and Variation**Start Grade:** 09**Stop Grade:** 10**Description:**

This second semester course in the biology sequence has a theme of: How is Life Interrelated? Students will explore the unity and diversity of life through the study of evolution by natural selection. The structure and replication of DNA along with protein synthesis will be examined. The interdependence of all living things will be explored with emphasis on ecological processes and human impact on the biosphere. The processes of photosynthesis and respiration will be introduced. The Missouri Biology End of Course Assessment is given at the conclusion of this course for any student who has not previously completed the assessment.

137210 Matter and Change**Credit Recovery/In-Person****Credit Value:** 1/2**Credit Type:** Science**Prerequisite:** Recommended B in Algebra 1 or department approval**Start Grade:** 09**Stop Grade:** 09**Description:**

This semester course will include a study of physical and chemical changes, classification of matter, phase changes, atomic structure, the periodic table, laws of conservation of matter as well as the history of chemistry. Safety in the laboratory, the experimental process, graphing and metric measurement will be an integral part of this laboratory intensive course. Group interaction, discussion, and cooperation during laboratory practice and mathematical problem-solving sessions will be commonplace. Open-ended laboratory experiences requiring student collaboration and multiple-step problem solving execution will be frequent.

137310 Forces & Motion in 1D**Credit Recovery/In-Person****Credit Value:** 1/2**Credit Type:** Science**Prerequisite:** One semester Algebra 1 with C or better or departmental approval**Start Grade:** 09**Stop Grade:** 09**Description:**

This semester course is the first in a recommended series of physics courses. This class will cover topics including laboratory safety, measurement, scientific inquiry, graphical analysis and the study of forces and motion in one dimension. Group interaction, discussion, and cooperation during laboratory practice and mathematical problem-solving sessions will be commonplace. Open-ended lab experiences requiring student collaboration and multiple-step problem solving execution will be frequent.

137500 Environmental Science**Credit Advancement/Asynchronous Virtual****Credit Value:** 1/2**Credit Type:** Science**Prerequisite:** One credit of Biology and Junior or Senior Class standing**Start Grade:** 11**Stop Grade:** 12**Description:**

How do humans and their behaviors impact the biosphere? Students will investigate the way nature operates when left undisturbed and when influenced by humans. Topics studied in Environmental Science include agriculture and soil, human population and growth, weather and climate change, water, energy, and biodiversity. This course is ideal for anyone who wants to learn more about how they can effect change on the Earth.

SOCIAL STUDIES

157000 Modern United States History

Credit Recovery/In-Person

Credit Value: 1/2

Credit Type: Social Studies

Prerequisite: None

Start Grade: 09

Stop Grade: 09

Description:

Modern U.S. History includes the study of domestic and foreign events and issues that shaped the United States from 1870 through contemporary America. Students will analyze a variety of primary and secondary sources, ask compelling questions, investigate significant events and change over time, discuss ideas from multiple perspectives, share their thinking across multiple written and visual forms of communication, and practice the skills of an engaged citizen

157010 World History: The Modern Era

Credit Recovery/In-Person

Credit Value: 1/2

Credit Type: Social Studies

Prerequisite: None

Start Grade: 10

Stop Grade: 10

Description:

In this course, students will trace the development of world history from the Renaissance to the twenty-first century by concentrating on the specific periods, persons, and events of greatest significance to development. Study includes comparisons of past and present events as well as comparisons of western and non-western development to foster an understanding of the political, social, geographic and economic status of several nations in the world today. Students will analyze a variety of primary and secondary sources, ask compelling questions, investigate significant events and change over time, discuss ideas from multiple perspectives, share their thinking across multiple written and visual forms of communication, and practice the skills of an engaged global citizen.

157100 United States Government

Credit Advancement/Asynchronous Virtual

Credit Value: 1/2

Credit Type: Social Studies

Prerequisite: None

Start Grade: 11

Stop Grade: 12

Description:

In this course, students closely examine federal and state systems, structures, principles, and historical foundations of government. Attention will be given to the role of economics, social structures, individual perspectives, interest groups, and foreign influences in American politics. Students will think critically about issues concerning the United States' government, the impact of decision-making on a variety of peoples and groups, and their own role as an engaged citizen. Successful completion of this course is required for graduation. In accordance with Missouri law, all Parkway students must pass examinations on their knowledge of the United States and Missouri Constitutions administered during this course. The course also includes the End of Course Assessment required by the state of Missouri for any student who has not previously taken the exam.

157790 Sociology**Credit Advancement/Asynchronous Virtual****Credit Value:** 1/2**Credit Type:** Social Studies**Prerequisite:** None**Start Grade:** 10**Stop Grade:** 12**Description:**

Sociology is the study of human behavior in groups which range from two people to societies of millions of people. Students will gain an understanding of important sociological concepts such as culture, socialization, status, role and group dynamics. Students will use the tools and techniques of sociology along with audiovisuals, group discussions, and simulations to investigate and analyze human relationships.

OTHER**961800 Maryville College Admissions****Credit Advancement/In-Person Learning at Maryville University****Credit Value:** 1/2**Credit Type:** Electives**Prerequisite:** None**Start Grade:** 11**Stop Grade:** 12**Description:**

Are you a rising junior or senior who is thinking about college? Is ACT preparation on your mind? If so, Parkway's Summer College Admissions Program is just the program to help you sort through the many decisions in front of you, and it is sure to help you begin preparing for life after high school. Participating students will explore college options through guided internet research, college campus tours, and presentations from representatives from a variety of colleges and universities. Students will have opportunities to compare and contrast schools, major and minor fields of study, and future career options! They will investigate careers and gain practical experience in resume writing, interviewing and presentation making. Participants will gain a better understanding of admission standards, financial considerations, scholarship options and more! One-on-one conferring will help students craft and polish college and scholarship essays that will be ready to submit by the end of the course! Even more, ACT strategies and tips will be embedded through daily instruction, with an ACT expert sharing his extensive knowledge! All classes will be held at Maryville University. Bus transportation is available to all students.

Apply online at: <https://www.parkwayschools.net/Page/1660>



PARKWAY CENTRAL HIGH SCHOOL

A+ Program



The A+ Program was created by the Outstanding Schools Act of 1993 as an incentive for improving Missouri's high schools.

This program provides scholarship funds to eligible graduates of A+ designated high schools who attend a participating public community college or career/technical school. A handful of local universities also provide small scholarships (\$500-\$1000) for students who meet the requirements. Our local community colleges will also allow students to use their A+ funds for full-time summer enrollment ONLY (6 credit hours) in the summer semester immediately following a student's high school graduation.

Student Eligibility:

- Enter into a written agreement with your high school prior to graduation. (See below)
- Attend a designated A+ high school for 2 years prior to graduation.
- Be a U.S. citizen or permanent resident by the time you access the scholarship in college.
- Graduate from an A+ designated high school with an overall unweighted grade point average of 2.5 or higher on a 4.0 scale.
- Have at least a 95% attendance record overall for grades 9-12.
- Perform at least 50 hours of unpaid tutoring or mentoring, of which up to 25 hours may include community service with a non-profit organization.
- Maintain a record of good citizenship and avoid the unlawful use of drugs and/or alcohol while in grades 9-12.
- Have achieved a score of proficient or advanced on the Algebra I end of course exam or a higher level DESE approved end-of-course exam in the field of mathematics.

Interested in joining A+? Students must be logged into their Parkway Google account and fill out 3 quick questions on this [A+ INTEREST FORM](#). They will then receive an automatically-generated email from the district (**A+ Program Next Steps**) with links to complete the **tutor training** and **participation agreement**. After completing all of these steps, you, your parents, and Mrs. Prange will receive confirmation of enrolling in the A+ program. The "[Tutoring & Mentoring Handbook](#)" has valuable information on ways to get started and log sheets to track your hours.

Please check out the [PCH A+](#) website for more information!

ADVANCED PLACEMENT & COLLEGE CREDIT OPPORTUNITIES

ADVANCED PLACEMENT

Advanced Placement (AP) is a program of college-level courses or examinations for secondary school students. Taking Advanced Placement examinations may benefit you in the following ways:

1. Your college or university may exempt you from beginning courses and permit you to elect higher level courses in certain fields.
2. You may be eligible for Honors and other special programs not open to students who have not been given AP recognition.
3. Your college or university may grant academic credit for your examinations.
4. You may save time and money by being granted a year of credit and sophomore standing for three or four AP examinations.

The following courses may prepare students to take an AP exam*:

AP 2D Design	AP Physics 1
AP Biology	AP Physics 2
AP Calculus AB or BC	AP Psychology
AP Chemistry	AP Statistics
AP Computer Science	AP United States History
AP Computer Science Principles	AP US Government & Politics
AP Drawing	AP US Government and Comparative Politics
AP English Language and Composition	AP World History
AP English Literature and Composition	AP Latin, French, German or Spanish
AP Environmental Science	Virtual AP Art History
AP Human Geography	
AP Music Theory	

**Examination fee and registration is required*

COLLEGE CREDIT PROGRAMS

Dual credit offers students the opportunity to register through a university, pay a nominal hourly rate, complete class requirements and then receive a grade from their classroom teacher. At this point, they have a transferable college transcript on file that they can request to have sent to the college(s) or university(ies) of their choice.

UNIVERSITY OF MISSOURI ST. LOUIS

AP Biology
AP Calculus AB
AP English Language and Composition
AP English Literature and Composition
AP Physics
AP Statistics
AP Drawing
AP US Government
Composition
Ceramics I & II
College Algebra
Digital Design I & II
French 3, 4, 5
German 3, 4, 5

UMSL, Continued

Painting I & II
Photography I & II
Pre-Calculus
Sculpture
Spanish 3, 4, 5
Virtual Art History 1 & 2

MISSOURI STATE UNIVERSITY

Marketing 2
Personal Finance

CAREER & TECHNICAL EDUCATION ARTICULATED CREDIT OPPORTUNITIES

Articulated credit is college credit that is awarded for a high school course that is associated with a comparable college-level course. Articulated credit can be applied at St. Louis Community College (STLCC) toward an Associated in Applied Science degree or certificate program. This credit is not awarded for Associate in Arts (transfer) degrees.

Parkway Course	Pre-Requisites	St. Louis Community College Course	Credits	Cost
Web Design 1	None	IS 129	1	Free
A+ Computer Maintenance	None	IS 130	3	Free
Accounting 1	None	ACC 100	3	Free
Child Development 1 & 2	None	ECE 125	3	Free
Introduction to Engineering Design	None	EGR 147	3	Free
Principles of Engineering	None	GE 121	3	Free
Digital Electronics	None	EE 121	3	Free
Introduction to Computer Science	None	IS 259	3	Free

SPECIAL EDUCATION PROGRAM

In conjunction with the Parkway School District, the Special School District (SSD) of St. Louis County (SSD) provides special education staff, services, and programs for Parkway students with educational disabilities. A student qualifies for special education when it is determined, through evaluation, that there is an educational disability which “adversely affects educational performance” and requires special education services.

All decisions regarding a student’s “free appropriate public education” (FAPE) and “individualized education program” (IEP) are to be made by the student’s IEP Team, which includes the student’s parent(s) and/or guardians, general education teachers, Parkway representative (usually an administrator and/or counselor) and, as appropriate, the student. Emphasis is on keeping the student in the “least restrictive environment” (LRE) and supporting the student in Parkway’s general education curriculum. The types and amounts of special education and related services, service delivery models, settings in which the services are delivered, curriculum modifications, accommodations, and all other educational decisions related to the student’s disability are to be made by the IEP Team in order to meet educational and transitional goals. Procedural safeguards, which state parent and students rights are provided annually.

The opportunity to participate in a Parkway general education classroom, earn credit toward graduation, and a high school diploma is available to all students, regardless of the nature and severity of their disabilities. With appropriate accommodations and supportive services, most students are able to meet standard curriculum objectives and be graded on the expectations set for all students.

However, depending upon a student’s individual special needs, diploma requirements may be modified, waived and/or added. The student’s IEP team must formally determine, authorize, and document (in the student’s records) waived, modified, and added requirements, modification of curriculum, and any individualized grading methods (e.g., pass/fail instead of letter grade).

Modification of a general education curriculum/course may be done when, despite accommodations and supportive services, a student is unable to achieve the standard learning objectives defined for each course and therefore requires the essence of the Parkway course to be changed (modified) to allow them the opportunity to participate in and benefit from the general education instruction. Grades are to be based on the extent to which the modified requirements, expectations, and competencies/skills are met, not met, or exceeded by the student, as well as other variables (i.e., class participation, homework completion) used by teachers to determine grades. The amount of credit earned will be the same as for a non-modified course and will count toward earning a Parkway diploma.

When a general education course is modified for a student, the course title will include an asterisk (*) and, possibly, a different course number on the transcript. The following notation will appear on Parkway transcripts: (*) = Modified Curriculum. Modified course grades are averaged in the same manner as regular course grades to compute grade point averages and determine eligibility for extracurricular activities. Eligibility for extracurricular activities is determined in the same manner for all students. To determine potential implications for eligibility in high school or college competitive interscholastic athletics/activities, refer to the Missouri State High School Activities Association (MSHSAA), the NCAA Clearinghouse, and/or the school guidance counselor and athletic director.

When a student with an IEP earns the normally required number of credits for a diploma, but the IEP team recommends that the student’s individually prescribed course of study should include additional special education

programming (i.e., Vocational Skills Program), the diploma is to be awarded after completion of all the student's prescribed programming. However, the student may participate in their high school graduation ceremony with classmates, as deemed appropriate by the IEP team.

Special education services can be provided in a variety of ways. These include:

Special Education Services In A General Education Setting

Co-Teaching/Collaborative Instruction

Special education services are provided through collaborative planning and co-teaching involving a Parkway content area teacher and a special education teacher. Co-teaching is not offered in all content areas, grade levels, or classrooms. Placement in a co-taught class depends upon student needs identified through the IEP process and consideration of other service delivery options. Co-taught courses are listed in a student's schedule like any other course, with no indication/notation that it is a co-taught section/course. To determine if your child is enrolled in a co-taught course, contact your child's case manager and counselor.

Special Education Services In A Special Education Setting

Strategies Classes (e.g., Writing Strategies, Reading Strategies, Learning Strategies)

These courses are designed to meet individual goals in the areas of writing, reading, and learning/organization. Skills taught in strategies classes will support the student in their general education courses. Strategies classes count toward the required elective credits for graduation.

Alternative Courses (e.g., ALT MATH, ALT ENG, ALT SCIENCE, ALT SOCIAL SCIENCES)

These courses involve direct instruction by a special education teacher in content areas (i.e., math, reading, writing, science and social sciences) that is tailored specifically to a student's learning objectives, IEP goals, and instructional needs. The curriculum in alternative courses may be the standard Parkway content area course curriculum in whole or part, or an alternative curriculum may be utilized to meet the student's unique needs.

Individualized Instruction (INDINSTRUCT)

These courses involve a curriculum which is individualized for a student by the IEP team to address IEP goals/objectives. The individualized curriculum does not relate to a specific content area or Parkway course. Rather, it is based on materials, activities, and elements of established curriculums identified by the special education team to support the student in achieving his/her IEP goals/objectives. Individualized instruction does NOT mean 1-to-1 instruction; students are in a classroom with peers and all activities are individualized to each student's needs/goals/objectives.

Individualized Instruction courses count toward the required elective credits for graduation.

Work Experience (WORK EXP)

Students gain training in job skills in the classroom and/or school building or at a local community job site under the direct supervision of an on-site special education teacher. Post-secondary transition goals developed by the IEP team drive the job site selection and job skills taught through the work experience program. Work Experience

courses count toward the required elective credits for graduation. (This is a special education course and the setting is considered general education.)

For more details regarding the curriculum and course objectives for each special education course, see the Online Curriculum Guide on the Parkway Teaching, Learning, & Accountability department website or contact the Special Education Administrator in the building.