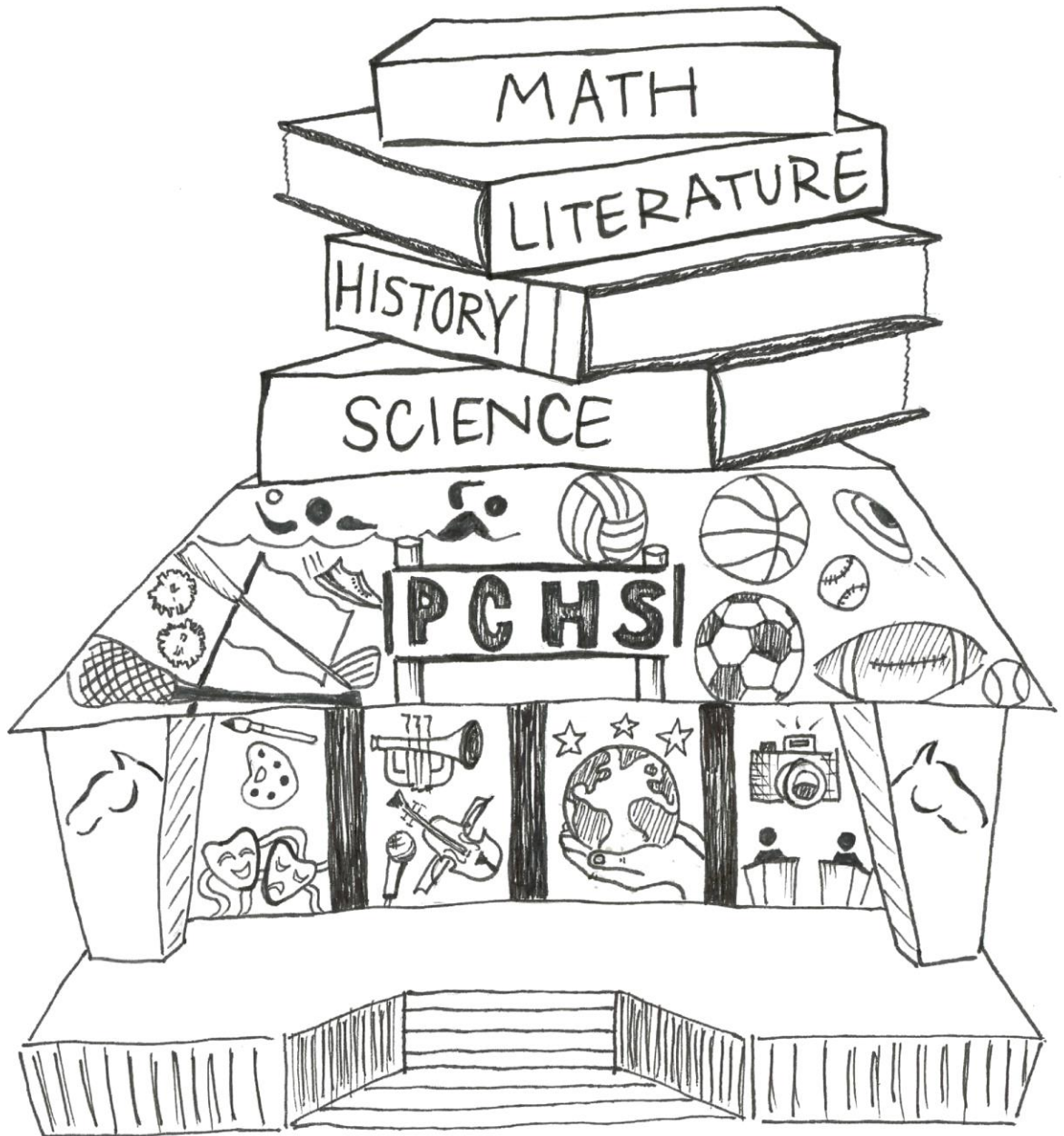


PARKWAY CENTRAL



COURSE GUIDE

2018-19

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PARKWAY BOARD OF EDUCATION

Beth Feldman, President
Kim Appelbaum, Vice President
Kristy Klein Davis, Director
Deborah Hopper, Director
Sudhir Rathod, Director
Sam Sciortino, Director
Jeff Todd, Director

ADMINISTRATIVE PERSONNEL

Dr. Keith Marty
Superintendent of Schools

Dr. Timothy H. McCarthy
Principal

Chris Dallas, Assistant Principal
Class of 2019

Travis Fast, Assistant Principal
Class of 2020

Dr. Sarah Power, Assistant Principal
Class of 2021

Dr. Shenita Mayes, Assistant Principal
Class of 2022

COUNSELORS

Erica Spraggins
A-E

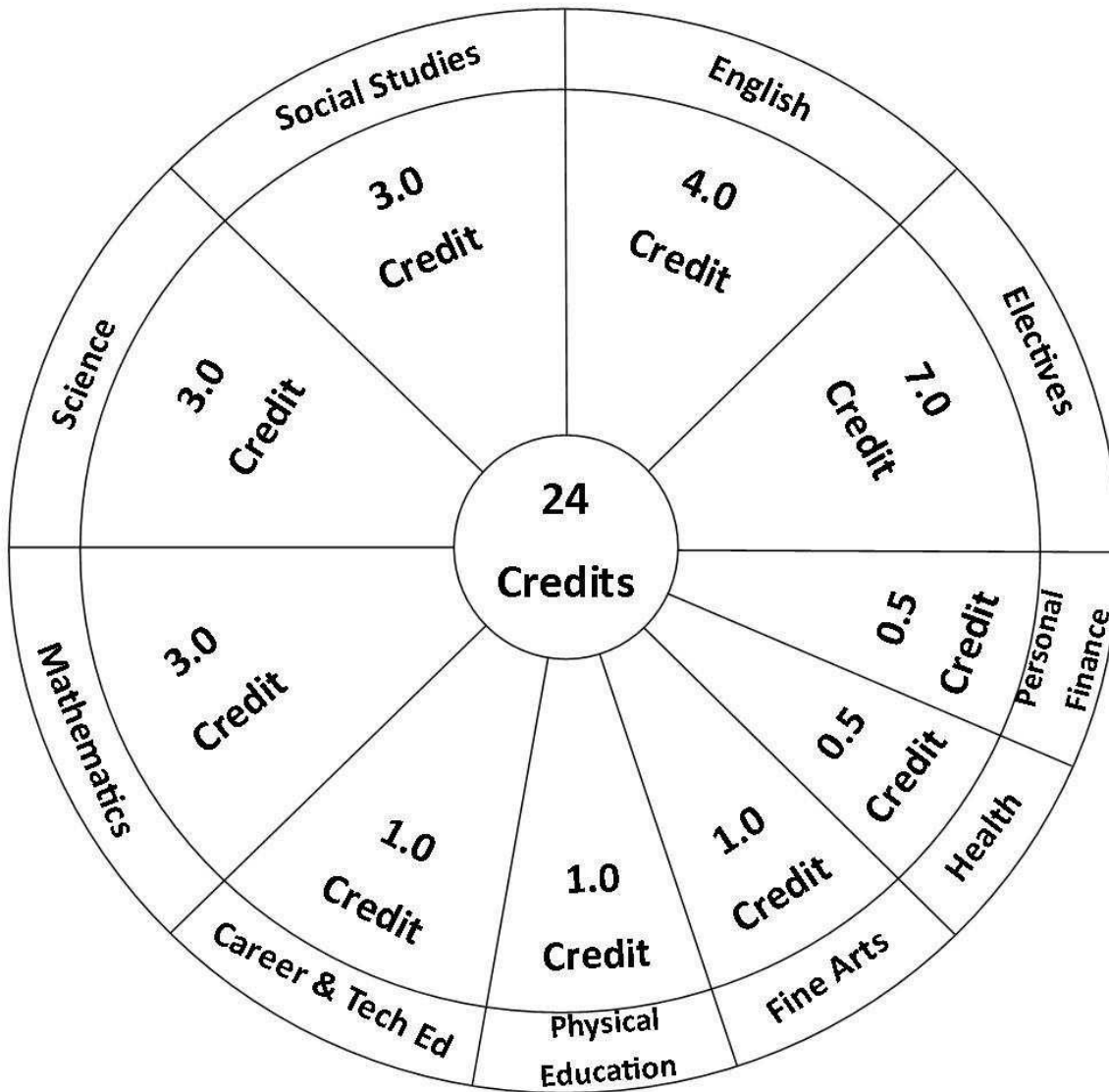
Jenny Lange
F-La

Paul Hussmann
Lb-Ro

Priscilla Greenwood
Ru-Z

Nana Prange
Post-Secondary, Assessment & A+ Program

PARKWAY GRADUATION REQUIREMENTS



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 Drama.

The above requirements represent the minimum credits necessary for graduation from Parkway. Entrance requirements for universities/colleges may differ.

GUIDELINES FOR IMPLEMENTING PARKWAY'S STANDARDS FOR A HIGH SCHOOL DIPLOMA

A planned four-year program of twenty-four units of credit is the minimum requirement for a diploma from a Parkway High School. In addition, students must pass the United States Constitution and Missouri Constitution tests, which are included in the required Government course, and complete all required End of Course exams.

Minimum Required Units

4 units in English

- 1st unit - English I - Required, Grade 9
- 2nd unit - English II - Required, Grade 10
- 3rd unit - English III - Required, Grade 11
- 4th unit - One additional unit of English - Required, Grade 12

3 units in Social Studies

- 1st unit - Modern United States History - Required, Grade 9
 - 2nd unit - World History - Required, Grade 10
 - 3rd unit - ½ unit of Government* and ½ unit Social Studies elective - Required, Grades 11-12
- *Must also pass US and MO Constitution tests given in Government

3 units in Science

- 1st unit – Biology 1 and Biology 2 – Required, Grade 9
- 2nd unit – Physical Science- Required, Grades 10 - 12
- 3rd unit - One additional unit of science - Required, Grades 10 - 12

3 units in Mathematics

1 unit in Fine Arts

Music, Art and Theatre - offered grades 9-12

1 unit in Career & Technical Education (CTE)

Business & Marketing Education, Technology Education, Family and Consumer Sciences, Yearbook and Newspaper - offered grades 9-12

1 unit in Physical Education

- ½ unit – Physical Fitness Concepts – Required, Grade 9
- ½ unit – PE elective – Required, Grades 11-12

½ unit in Health Education

Required, Grades 10-12

½ unit in Personal Finance

Required, Grades 10-12

7 Elective Credits

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.

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 is possible through contracting for the exceptional student. The course 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 are the subjects that 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 the purpose of adjusting the program to the ability and interest of students. Students are assigned to these classes on the basis of 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 GUIDELINES

Students who plan to participate in collegiate athletics at a Division I or Division II school need to register with the NCAA Clearinghouse after they complete their junior year in high school. Students may register online at www.eligibilitycenter.org.

A student athlete is required to complete 16 core specific courses for Division II and 16 core specific courses for Division I. To check Central High's list of approved core courses, please navigate to the following on their website:

1. Click on “?Help”
2. Under “Resources” click “Find Your Core Courses”
3. Enter Central High's NCAA High School Code – 260593

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 | English 1 | English 2 | English 2 | English 3 | English 3 | Composition | * |
| SOCIAL STUDIES | Modern US History | Modern US History | World History | World History | Government | * | | |
| MATH | * | * | * | * | * | * | | |
| SCIENCE | Biology 1 | Biology 2 | * | * | * | * | | |
| ELECTIVE # | Phys Fit Con | | Health | Personal Finance | PE Elective | | | |
| ELECTIVE # | | | | | | | | |
| ELECTIVE # | | | | | | | | |
| ADDITIONAL CREDITS | | | | | | | | |

Short term academic goal for school year

Elective courses must include at least 1.0 credit of Career & Technical Ed courses and 1.0 credit of Fine Arts.
 Might also include Modern & Classical Languages.
 *Required – Course placement based on recommendations and/ or choice.

Long term education/career goal

Community College _____
 University _____
 Other _____

POST-SECONDARY PLANS

Work _____
 Military _____

Parent Signature

Student Signature

Date of Review (circle one):

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

PCH STUDENT REGISTRATION PORTAL PROCESS

Registration on Portal is only open from 3:30 pm, January 12, 2018 – 10 am, January 31, 2018

Student registration for courses (next school year) can be completed from a home computer, in a school lab, or from any computer to which you have access. Students must have an Infinite Campus portal account and password. If you have forgotten your account number or password, please see your school's Technology Specialist.

Directions:

- Step # 1** Enter your **Username** and **Password** on the portal login screen.
<https://icampus.pkwy.k12.mo.us/campus/portal/parkway.jsp>
- Step # 2** Click the **Login** link. You are now on the main portal page.
- Step # 3** Click the **Registration** option from the index on the left of the screen.
- Step # 4** Review the list of **Required Courses*** listed on your portal. These courses have already been entered by a teacher, counselor or school administrator and cannot be changed on the portal.
** If you would like to change any Required Course, you must have the approval (signature) of the teacher that recommended the course or the department leader.*
- Step # 5** The Total Units (16) needed to complete the registration process can be found directly above the Required Course list. Two (2) of the units are reserved for Academic Lab.
*Example: **Units (05/16)**. Each semester course and each semester of a yearlong course is equal to one unit.*
- The first number (**05/16**) tells you how many units have been requested.
 - The second number (05/16) tells you how many total units are needed.
 - Both numbers should be the same when you are finished choosing your Requested Courses (**16/16**).
- Step # 6** **Begin choosing your courses for the next school year.**
1. Click the **Course Search** link and a search screen will appear.
 2. **Enter** either a Course Name (Design Arts) or Course Number (#027000).
*Note: Courses can be searched by the **Course Name** or the **Course Number**.*
 3. Click the **GO** button. Matching course names will appear to the right.
 4. Click on **any course** listed the view the course description and to request it.
 5. To **request this course** as part of your schedule for next year, click **Request this Course**. Courses can also be requested as **Alternate Courses*** by clicking the **Request as an Alternate Course** button.
**Alternate courses are substituted if a requested course cannot be placed in your final schedule.*
 6. **Yearlong courses** will have two course numbers. One will end with a "1" and the other with a "2". **Be sure to request both semesters.**
Example: Accounting 1, #037111 (1st semester) and Accounting 1, #037112 (2nd semester)
 7. You are finished choosing your courses when the Units are completed, Units (16/16), and you have chosen at least four Alternate Courses.
- Step # 7** **Print your list of requests** by clicking **Print Request Summary**.
- Step # 8** **Sign** the printed **Request Summary** and have your **parent/guardian sign** it, also.
- Step # 9** You are now finished registering online. To prevent others from accessing your portal changing your requested courses, be sure to click the **Log Off** option in the Index, rather than closing the browser. This will end the session and bring you back to the login screen.
- Step # 10** ****8th Grade Students:** turn in your signed Request Summary printout with your Registration Worksheet and Personal Plan of Study no later than 12:00 pm, **January 24, 2018** to Ms. Brockmeier or bring to the optional PCH Registration Evening (3:00-7:00 p.m.) on January 24, 2018.
****9th, 10th and 11th Grade Students:** turn in your signed Request Summary printout no later than **10 am, January 31, 2018** to the PCH Counseling Office.

Parkway Central High School

9

When selecting courses, carefully consider the following:

- **GRADUATION REQUIREMENTS:** 24 credits: 4 English, 3 Social Studies, 3 Math, 3 Science, 1 Fine Art, 1 CTE, 1 P.E., 0.5 Health, 0.5 Personal Finance and 7 Electives.
- IT IS MOST DIFFICULT, IF NOT IMPOSSIBLE, TO MAKE CHANGES AT A LATER DATE.

Courses in this section are an entire year.

| | |
|-----------------------|---|
| English | WILL BE SELECTED BY THE HIGH SCHOOL ENGLISH DEPARTMENT *If you disagree with your placement you must contact your high school counselor to discuss level change procedures |
| Social Studies | WILL BE SELECTED BY THE HIGH SCHOOL SOCIAL STUDIES DEPARTMENT *If you disagree with your placement you must contact your high school counselor to discuss level change procedures |
| Math | WILL BE SELECTED BY THE HIGH SCHOOL MATH DEPARTMENT *If you disagree with your placement you must contact your high school counselor to discuss level change procedures |
| Science | WILL BE SELECTED BY THE HIGH SCHOOL SCIENCE DEPARTMENT *If you disagree with your placement you must contact your high school counselor to discuss level change procedures |

Each box in this section is for one semester. Please complete two boxes for yearlong courses such as foreign language or music.

| | | |
|-----------------|-------------------------------------|---------|
| Phys. Ed | Physical Fitness Concepts (#087110) | |
| Elective | Course _____ | # _____ |
| Elective | Course _____ | # _____ |
| Elective | Course _____ | # _____ |
| Elective | Course _____ | # _____ |
| Elective | Course _____ | # _____ |

Please ensure that you list alternates for each *elective* course. Foreign Language alternates are only necessary if you are selecting a level 1 course.

| | | | | |
|--|--------------|---------|--------------|---------|
| Alternates (Listed In Priority Order) | Course _____ | # _____ | Course _____ | # _____ |
| | Course _____ | # _____ | Course _____ | # _____ |
| | Course _____ | # _____ | Course _____ | # _____ |

Use this worksheet to plan courses, and then enter requests into Infinite Campus. This worksheet **and** the signed Request Summary printout from the portal may be turned in to Ms. Brockmeier or to the high school at Registration Evening in PCH Counseling any time between 3:00-7:00 p.m. on January 24.

Parkway Central High School

10

When selecting courses, carefully consider the following:

- **GRADUATION REQUIREMENTS:** 24 credits: 4 English, 3 Social Studies, 3 Math, 3 Science, 1 Fine Art, 1 CTE, 1 P.E., 0.5 Health, 0.5 Personal Finance and 7 Electives.
- IT IS MOST DIFFICULT, IF NOT IMPOSSIBLE, TO MAKE CHANGES AT A LATER DATE -- CHOOSE WISELY NOW.

Core classes should have been entered into Infinite Campus for you. If not, please see your first semester teacher in that subject.

| | |
|--|--|
| English | PRE-SELECTED BY YOUR FIRST SEMESTER ENGLISH TEACHER *If you disagree with your placement you must contact your high school counselor to discuss level change procedures |
| Social Studies | PRE-SELECTED BY YOUR FIRST SEMESTER SOCIAL STUDIES TEACHER *If you disagree with your placement you must contact your high school counselor to discuss level change procedures |
| Math | PRE-SELECTED BY YOUR FIRST SEMESTER MATH TEACHER *If you disagree with your placement you must contact your high school counselor to discuss level change procedures |
| Science (Each box represents <u>ONE</u> semester) | Course _____ # _____ |
| | Course _____ # _____ |
| Electives (Each line represents <u>ONE</u> semester) | Health Education (#077100) |
| | Personal Finance (#037100) |
| | Course _____ # _____ |
| | Course _____ # _____ |
| | Course _____ # _____ |
| | Course _____ # _____ |

Please ensure that you list alternates for each *elective* course.

| | |
|---|----------------------|
| Alternates (Listed In Priority Order) | Course _____ # _____ |
| | Course _____ # _____ |
| | Course _____ # _____ |
| | Course _____ # _____ |

Infinite Campus access for course registration will be open from 3:30 p.m. on January 12 through 10 a.m. on January 31. Use this worksheet to plan courses, and then enter requests into Infinite Campus by January 31. **The signed Request Summary printout from the portal must be turned in to PCH Counseling by Wednesday, January 31.**

Parkway Central High School

11

When selecting courses, carefully consider the following:

- **GRADUATION REQUIREMENTS:** 24 credits: 4 English, 3 Social Studies, 3 Math, 3 Science, 1 Fine Art, 1 CTE, 1 P.E., 0.5 Health, 0.5 Personal Finance and 7 Electives.
- IT IS MOST DIFFICULT, IF NOT IMPOSSIBLE, TO MAKE CHANGES AT A LATER DATE -- CHOOSE WISELY NOW.

English, Math and Government should have been entered into Infinite Campus for you. If not, please see your first semester teacher in that subject.

| | |
|--|--|
| English | <p>PRE-SELECTED BY YOUR FIRST SEMESTER ENGLISH TEACHER</p> <p>*If you disagree with your placement you must contact your high school counselor to discuss level change procedures</p> |
| Social Studies | <p>PRE-SELECTED BY YOUR FIRST SEMESTER SOCIAL STUDIES TEACHER</p> <p>*If you disagree with your placement you must contact your high school counselor to discuss level change procedures</p> <p>If your teacher recommended you for regular Social Studies Elective Government (#157100), please select an additional semester Social Studies elective course. _____ # _____</p> |
| Math | <p>PRE-SELECTED BY YOUR FIRST SEMESTER MATH TEACHER</p> <p>*If you disagree with your placement you must contact your high school counselor to discuss level change procedures</p> |
| Science (Each box represents <u>ONE</u> semester) | Course _____ # _____ |
| | Course _____ # _____ |
| Electives (Each line represents <u>ONE</u> semester) | Course _____ # _____ |
| | Course _____ # _____ |
| | Course _____ # _____ |
| | Course _____ # _____ |
| | Course _____ # _____ |
| | Course _____ # _____ |

Please ensure that you list alternates for each *elective* course.

| | | |
|---|----------------------|----------------------|
| Alternates (Listed In Priority Order) | Course _____ # _____ | Course _____ # _____ |
| | Course _____ # _____ | Course _____ # _____ |
| | Course _____ # _____ | Course _____ # _____ |

Infinite Campus access for course registration will be open from 3:30 p.m. on January 12 through 10 a.m. on January 31. Use this worksheet to plan courses, and then enter requests into Infinite Campus by January 31. **The signed Request Summary printout from the portal must be turned in to PCH Counseling by Wednesday, January 31.**

Parkway Central High School

12

When selecting courses, carefully consider the following:

- **GRADUATION REQUIREMENTS:** 24 credits: 4 English, 3 Social Studies, 3 Math, 3 Science, 1 Fine Art, 1 CTE, 1 P.E., 0.5 Health, 0.5 Personal Finance and 7 Electives.
- IT IS MOST DIFFICULT, IF NOT IMPOSSIBLE, TO MAKE CHANGES AT A LATER DATE -- CHOOSE WISELY NOW.

Math and one semester of English should have been entered into Infinite Campus for you. If not, please see your first semester teacher in that subject.

| | | |
|--|---|--|
| English | <p>COMPOSITION OR FUNDAMENTALS OF COMPOSITION IS PRE-SELECTED BY YOUR FIRST SEMESTER ENGLISH TEACHER. *If you disagree with your placement you must contact your high school counselor to discuss level change procedures</p> <hr/> <p>CHOOSE YOUR LITERATURE COURSE FOR SECOND SEMESTER</p> <p>Course _____ # _____</p> | |
| Math | <p>PRE-SELECTED BY YOUR FIRST SEMESTER MATH TEACHER *If you disagree with your placement you must contact your high school counselor to discuss level change procedures</p> | |
| Electives (Each line represents <u>ONE</u> semester) | <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> | |

Please ensure that you list alternates for *elective* courses.

| | | |
|---|---|---|
| Alternates (Listed In Priority Order) | <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> | <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> <p>Course _____ # _____</p> |
|---|---|---|

Infinite Campus access for course registration will be open from 3:30 p.m. on January 12 through 10 a.m. on January 31. Use this worksheet to plan courses, and then enter requests into Infinite Campus by January 31. **The signed Request Summary printout from the portal must be turned in to PCH Counseling by Wednesday, January 31.**

**2018-2019
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.

2018-2019 COURSE OFFERINGS

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BUSINESS & TECHNOLOGY

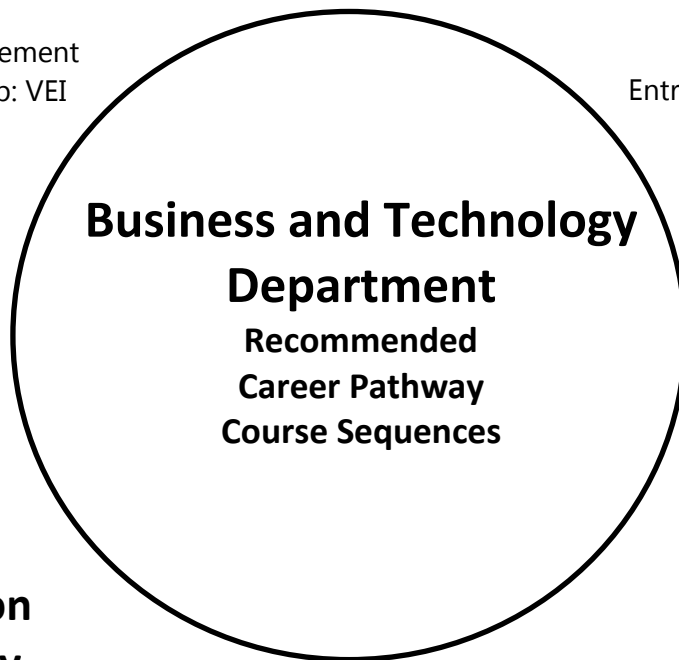
Recommended Career Pathway Course Sequences

Accounting & Management

Introduction to Business
Personal Finance
Microsoft Office
Accounting 1
Accounting 2*
Accounting 3*
Business Management
Entrepreneurship: VEI
BMIT Internship

Digital Media

Introduction to Computer Technologies
Branding & Design Concepts
Digital Animation
Web Design 1
Web Design 2
Multimedia 1
Multimedia 2
Entrepreneurship: VEI
BMIT Internship



Information Technology

Introduction to Computer Technologies
Web Design 1 & 2
Video Game Design@
Introduction to Computer Science
App Design and Development
AP Computer Science*
Entrepreneurship: VEI
BMIT Internship

Marketing

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

*Denotes dual-credit with a college/university
@Denotes Virtual Learning only

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

Introduction to Business**037350**

Grade(s): 9 - 10

½ Career & Technical Ed Credit

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 (formerly ICL)**037010**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

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, 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 1**037111 & 037112**

Grade(s): 10 - 12

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.

Accounting 2 (Honors Option)**037121 & 037122**

Grade(s): 11 - 12

1 Career & Technical Ed Credit

Prerequisite: Accounting 1

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. Students, meeting certain criteria, may register with Missouri Baptist University through this course and receive credit for Principles of Financial Accounting-ACCT 213. An honors grade may be earned.

Honors Accounting 3**038131 & 038132**

Grade(s): 12

1 Career & Technical Ed Credit

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. Students meeting certain criteria may register with Missouri Baptist University through this course and receive credit for Principles of Managerial Accounting – ACCT 223.

Branding & Design Concepts (formerly Desktop Publishing)**037280**

Grade(s): 10 - 12

½ Career & Technical Ed Credit

Prerequisite: Introduction to Computer Technology or Introduction to Business 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.

Business Management**037550**

Grade(s): 11 - 12

½ Career & Technical Ed Credit

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

½ Career & Technical Ed Credit

Prerequisite: None

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.

Introduction to Computer Science**037310**

Grade(s): 10 - 12

½ Career & Technical Ed Credit

Prerequisite: Introduction to Computer Technology recommended

This course is designed to provide students with a solid introduction to programming language. The course will provide students with a base of fundamentals in software development. Emphasis is placed on the development of problem solving algorithms and logic. This course is a prerequisite to the AP Computer Science course.

Computer Application Design and Development**037320**

Grade(s): 10 - 12

½ Career & Technical Ed Credit

Prerequisite: Introduction to Computer Science

This course is designed for students who want to learn how to build applications. A basic background in Java programming is required. By the end of the course, students will build a fully functioning application that can be shared with others. This course lays the foundation for people who want to better understand the overall role of an application developer and become a skilled creator, not just a consumer, of technology.

AP Computer Science**039321 & 039322**

Grade(s): 11 - 12

1 Career & Technical Ed Credit

Prerequisite: Introduction to Computer Science

The major emphasis of this course is on programming methodology, algorithms, data structures, and object oriented programming. Computer applications are used to develop student awareness of the need for these topics, as well as to provide topics for individual programming assignments. This course prepares students to take the College Board Advanced Placement Computer Science A examination. A weighted grade is given.

Marketing 1**047751 & 047752**

Grade(s): 10 - 12

1 Career & Technical Ed Credit

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

1 Career & Technical Ed Credit

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. Students may register through Missouri State University to receive college credit for this course.

Microsoft Office**037270**

Grade(s): 10 - 12

½ Career & Technical Ed Credit

Prerequisite: Introduction to Computer Technologies (formerly ICL) 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. Junior and senior students, meeting certain criteria, may register with Missouri Baptist University through this course and receive credit for Survey of Computing -BCIS 103. 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): 10 - 12

½ Career & Technical Ed Credit

Prerequisite: Introduction to Computer Technologies (formerly ICL) recommended

This course provides the skills needed to create high quality video content for today's world. Students will learn the phases of video production, effective use of a camcorder, video editing techniques, and application of video effects using industry software. This course is project oriented allowing students to develop creative thinking skills while producing unique video. This course will prepare students for the workplace or further education by developing their skills in the latest software and making multimedia products that could be included in a personal portfolio.

Multimedia 2: Digital Production**037290**

Grade(s): 10 - 12

½ Career & Technical Ed Credit

Prerequisite: Multimedia

This course will build upon the skills learned in Multimedia but will go much deeper into the focus of production. Students will learn about pre-production considerations and production techniques that were not learned before. Areas of focus will include: video space, time, composition, language, sound and communication, program planning and development, camera systems and operations, lighting tools, design and applications and audio. The course will also include a focus on directing and on new tricks in video editing, while giving students the opportunity to develop content for the athletic video board.

Personal Finance**037100**

Grade(s): 10 - 12

½ Personal Finance Credit

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 1**037570**

Grade(s): 10 - 12

½ Career & Technical Ed Credit

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**037580**

Grade(s): 10 - 12

½ Career & Technical Ed Credit

Prerequisite: Web Design 1

A continuation of Web Design 1, Web Design 2 focuses on advanced techniques for communicating a message via the web. Students will create varying websites that meet specific client needs. Front-end development is practiced and back end development is explored. Java Script, Bootstrap, and other development frameworks are explored. College credit is available through an articulation agreement with St. Louis Community College.

Entrepreneurship: Virtual Enterprise International**037661 & 037662**

Grade(s): 10 - 12

1 Career & Technical Ed Credit

Prerequisite: 1.0 Business Credit

Virtual Enterprise International is an in-school entrepreneurship program and global business simulation that transforms students into business professionals with an entrepreneurial mindset by bringing the workplace into the classroom. VEI students establish and manage a virtual company, conducting business with other firms domestically and internationally. Students are involved in all aspects of running the business, including human resources, accounting, product development, production, distribution, marketing, and sales.

Business, Marketing and Information Technology Internship

037701 & 037702 (One Block)

Grade(s): 12

037741 & 037742 (Two Blocks)

½ - 2 Career & Technical Ed Credit

(Sem 1) (Sem 2)

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

(Sem 1) (Sem 2)

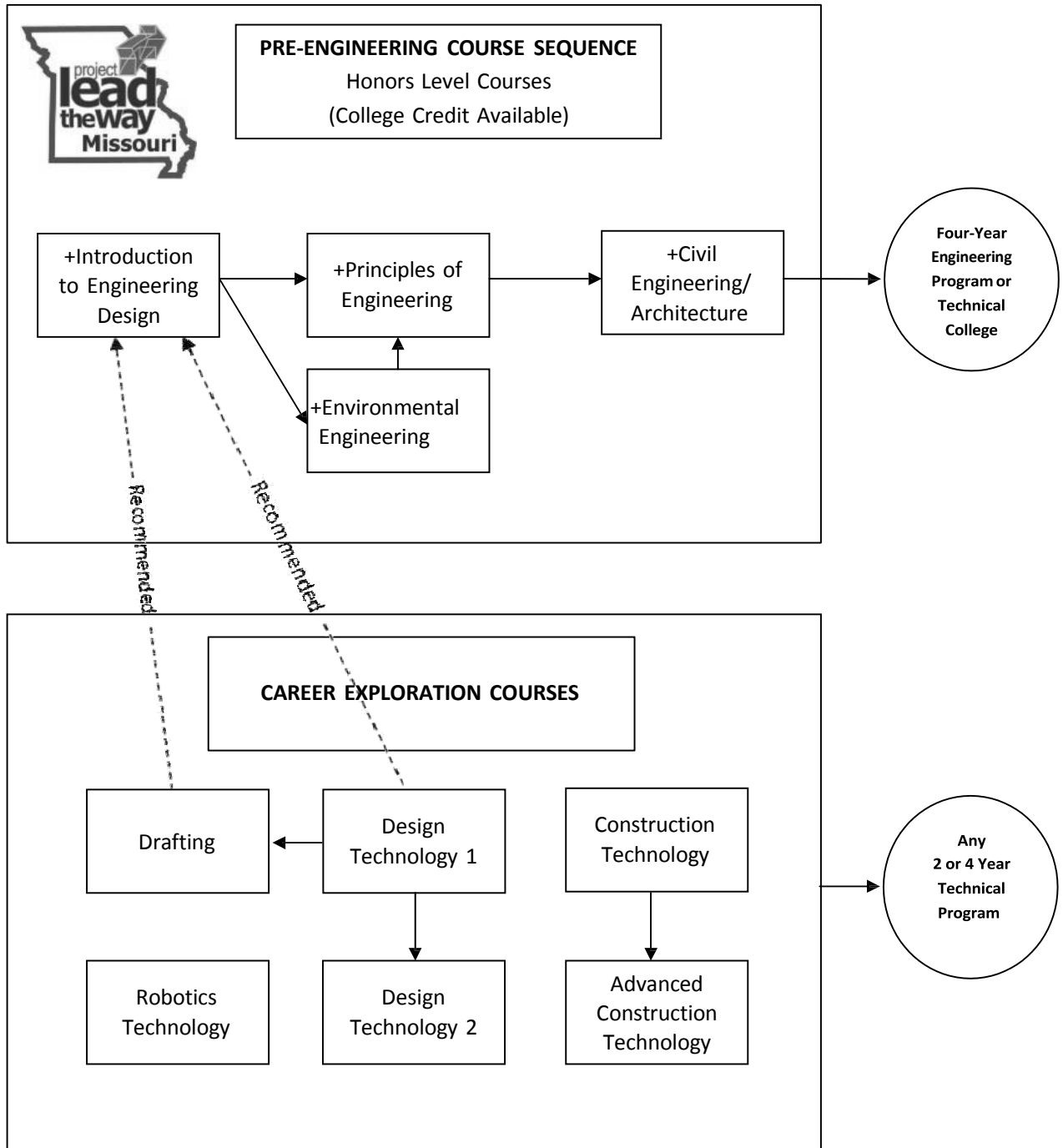
½ - 1 Elective Credit

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 & INDUSTRIAL TECHNOLOGY

Recommended Course Sequences



Drafting**107070**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

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**107121**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

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.

Design and Technology 2**107132**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

Prerequisite: Design and Technology 1 or Consent of Instructor

This is the second course in a two semester sequence of courses that provides opportunities for students to explore technology. In Design and Technology II, students cover information on the following systems: structural, mechanical, fluid, and alternative energy. Students analyze applications of technology through a process of investigation and exploration in these fields which create and produce manufactured goods, products, structures, and services in our society.

Construction Technology**107500**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

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.

Advanced Construction Technology**107510**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

Prerequisite: Construction Technology

In this semester course, students will apply the technical skills learned in Construction Technology. Students will experience project design and site preparation, substructures and superstructures, utilities installation, enclosure, finishing and landscaping. Students will develop a project from conception to completion.

Robotics Technology**107680**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

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

1 Career & Technical Ed Credit

Prerequisite: Drafting recommended

This honors course develops students' problem-solving skills, with emphasis on visualization and communication skills, using a computer and a 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 Environmental Engineering**108221 & 108222**

Grade(s): 11 - 12

1 Career & Technical Ed Credit

Prerequisite: Students should have experience in biology, chemistry, mathematics, and technology education.

The growing market for jobs in environmental engineering is playing a central role in energy and agricultural sustainability solutions. The Environmental Engineering course develops students' thinking skills and prepares them for emerging careers through topics such as genetic engineering, biofuels, and bio-manufacturing. 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

1 Career & Technical Ed Credit

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 and Architecture**108201 & 108202**

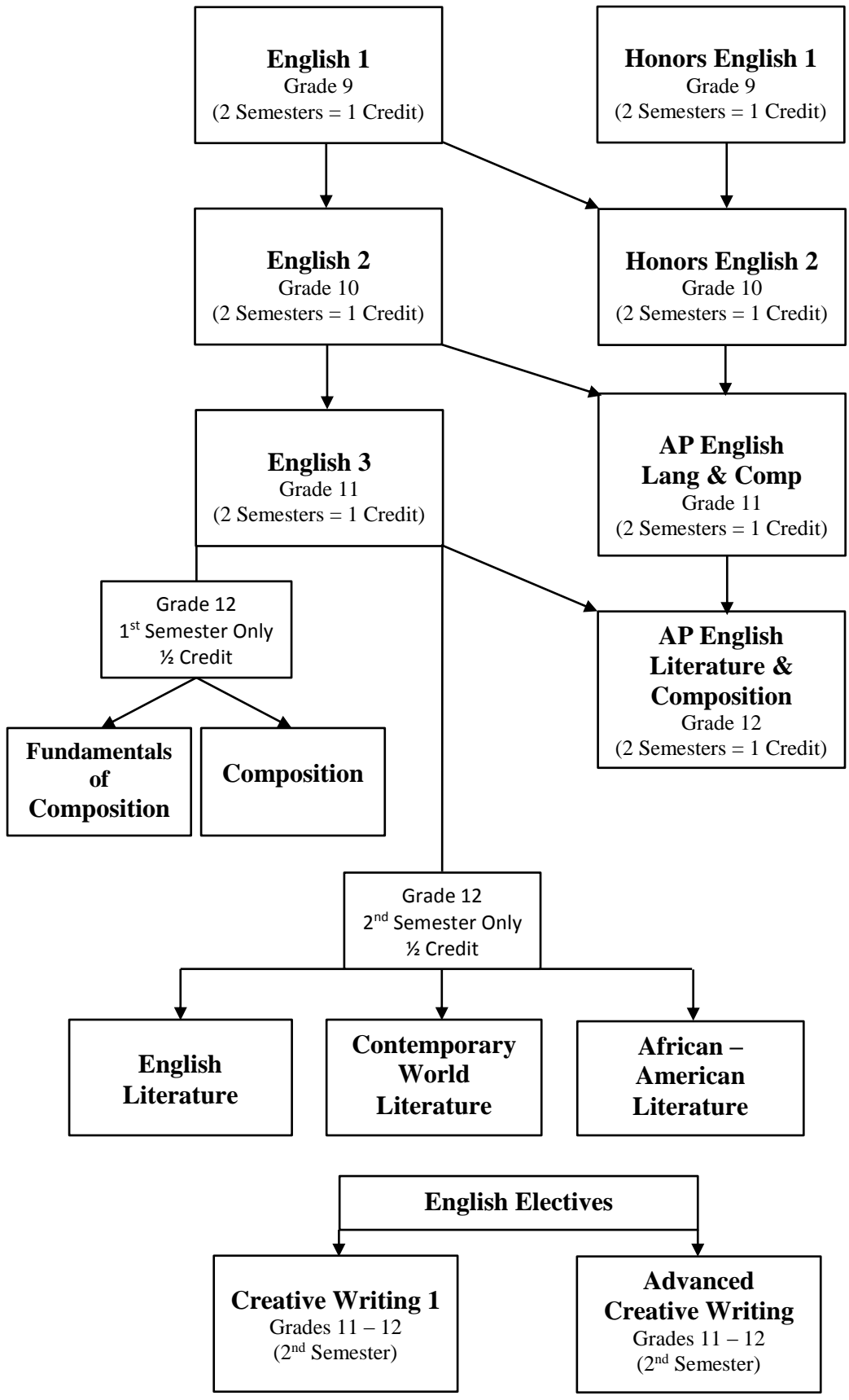
Grade(s): 10 - 12

1 Career & Technical Ed Credit

Prerequisite: Introduction to Engineering Design and Principles of Engineering, 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. 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.

ENGLISH LANGUAGE ARTS



English 1**057011 & 057012**

Grade(s): 9

1 English Credit

Prerequisite: None

In this course, students will read and study a variety of literature, including the short story, novels, poetry, drama, and non-fiction, to enhance comprehension and analysis skill, to make personal and global connections within and across texts, and to improve reading stamina. Students will approach texts as a reader and a writer. As writers, students in this course will strengthen mechanics, usage, and syntax; focus on matching organization to audience, purpose, and genre; and explore the use of evidence across a variety of writing forms. Students will practice effective communication skills in writing, presenting, collaborating, and listening.

Honors English 1**058011 & 058012**

Grade(s): 9

1 English Credit

Prerequisite: Department Recommendation

Honors English 1 provides challenge and enrichment for students who are avid readers and good writers. All areas of the regular English 1 program are included, but literature and composition assignments in this course are longer and more complex than in the regular course. A weighted grade is given

English 2**057021 & 057022**

Grade(s): 10

1 English Credit

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

The study of literature, composition, and oral communication skills forms the basis of this course, which continues the work begun in English 1. The skills of analysis and critical reading are developed through poetry, fiction, non-fiction, and drama. Although some creative writing is included, the major emphasis in composition is on techniques, honing modes of writing such as narrative, argumentative, and explanatory essays, and blending genres for specific purposes and audiences. 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

1 English Credit

Prerequisite: English 1 and Department Recommendation

Honors English 2 is for students with well-developed skills in reading and writing. Including all the areas of study mentioned for the regular English 2 program, the Honors course is more demanding because of the complexity of assigned reading, writing, and analysis. Students must read and discuss challenging texts and write about the ideas and issues in these works. 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

1 English Credit

Prerequisite: 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 (formerly Honors English 3) 059201 & 059202

Grade(s): 11

1 English Credit

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

½ English Credit

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.

Fundamentals of Composition**057220**

Grade(s): 12

½ English Credit

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

½ English Credit

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 (formerly Senior English)**057090**

Grade(s): 12

½ English Credit

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

½ English Credit

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

1 English Credit

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. 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. This course prepares students to take the College Board Advanced Placement Literature and Composition examination. A weighted grade is given.

Creative Writing 1

057130

Grade(s): 11 - 12

½ English Credit

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

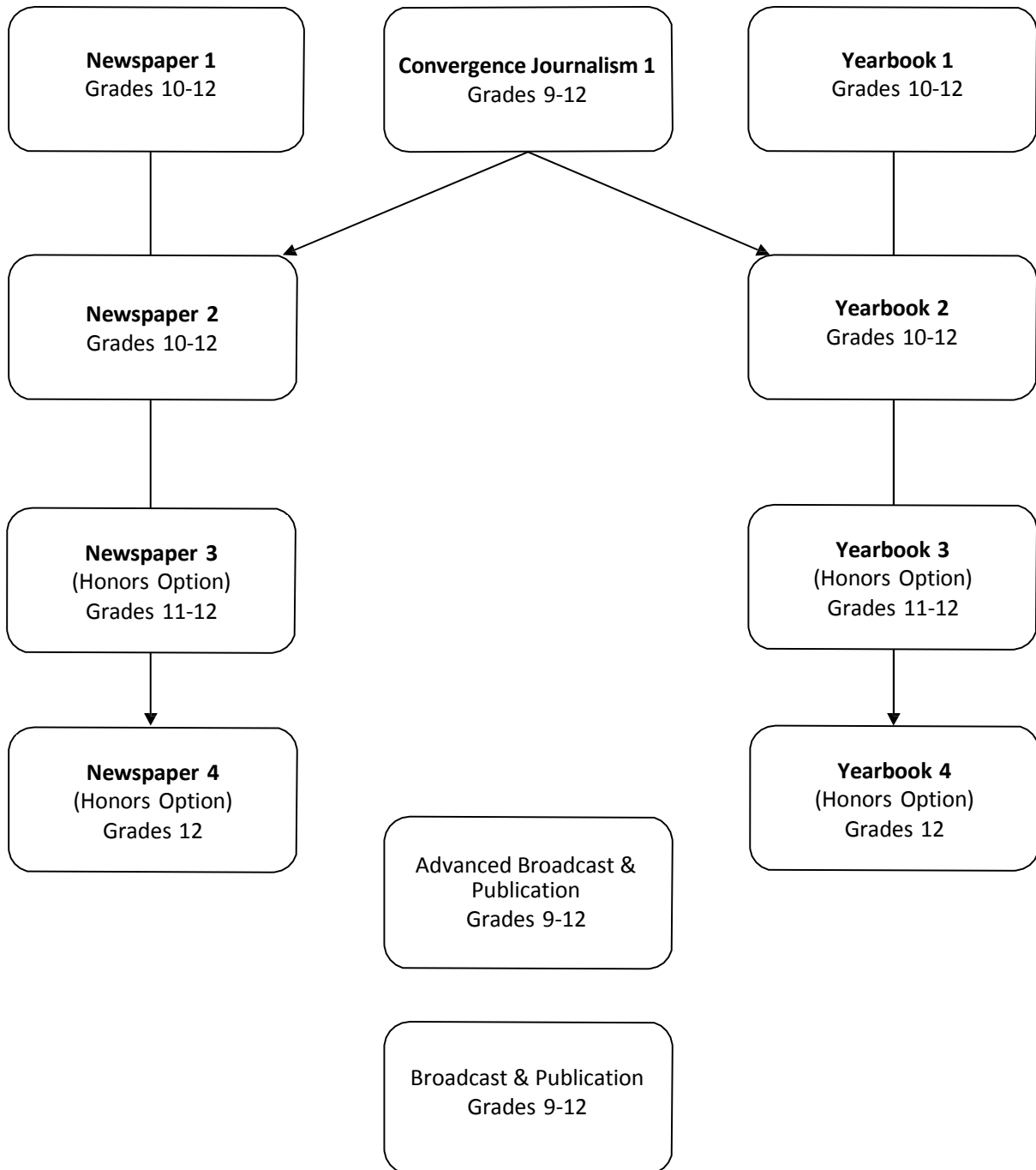
Grade(s): 11 - 12

½ English Credit

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.

ENGLISH LANGUAGE ARTS - JOURNALISM



Convergence Journalism I (formerly Beginning Journalism)

057300

Grade(s): 9 - 12

½ Elective Credit 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 the history of journalism. Writing will focus on news writing, feature writing, sports writing and editorial writing.

Newspaper 1

057311 & 057312

Grade(s): 10 - 12

1 Career & Technical Ed Credit

Prerequisite: 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.

Newspaper 2

057321 & 057322

Grade(s): 10 - 12

1 Career & Technical Ed Credit

Prerequisite: Newspaper 1 or Beginning 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

1 Career & Technical Ed Credit

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 magazine 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

1 Career & Technical Ed Credit

Prerequisite: Newspaper 3 (recommended C or better)

This is an advanced course for students who wish to continue their in-depth study of journalism. In addition to assuming editorial role and mentoring new staff members, students will submit articles to local publications when appropriate. Students will explore new 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

1 Career & Technical Ed Credit

Prerequisite: Recommendation of journalism teacher after application by student

This course introduces students to yearbook production. It includes study of design/layout, photography, and participation in production of the school yearbook. Students begin the exploration of exploration of scholastic journalism and the law as well as current issues in scholastic and professional journalism.

Yearbook 2**057421 & 057422**

Grade(s): 10-12

1 Career & Technical Ed Credit

Prerequisite: Beginning 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.

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

Grade(s): 11-12

1 Career & Technical Ed Credit

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

1 Career & Technical Ed Credit

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 (formerly Radio & Television)**057700**

Grade(s): 9 - 12

½ Elective Credit Prerequisite: None

This course features instruction in current techniques of radio and television announcing and production. Included in the course are news editing, composition and delivery of special features, and team and individual broadcasting projects and production. Techniques for improving communication, along with other skills in filming, editing, and video software receive emphasis. Students discover how radio and television influence people and how media have been developed.

Advanced Broadcast & Production (formerly Advanced Broadcasting)

057650

Grade(s): 9 - 12

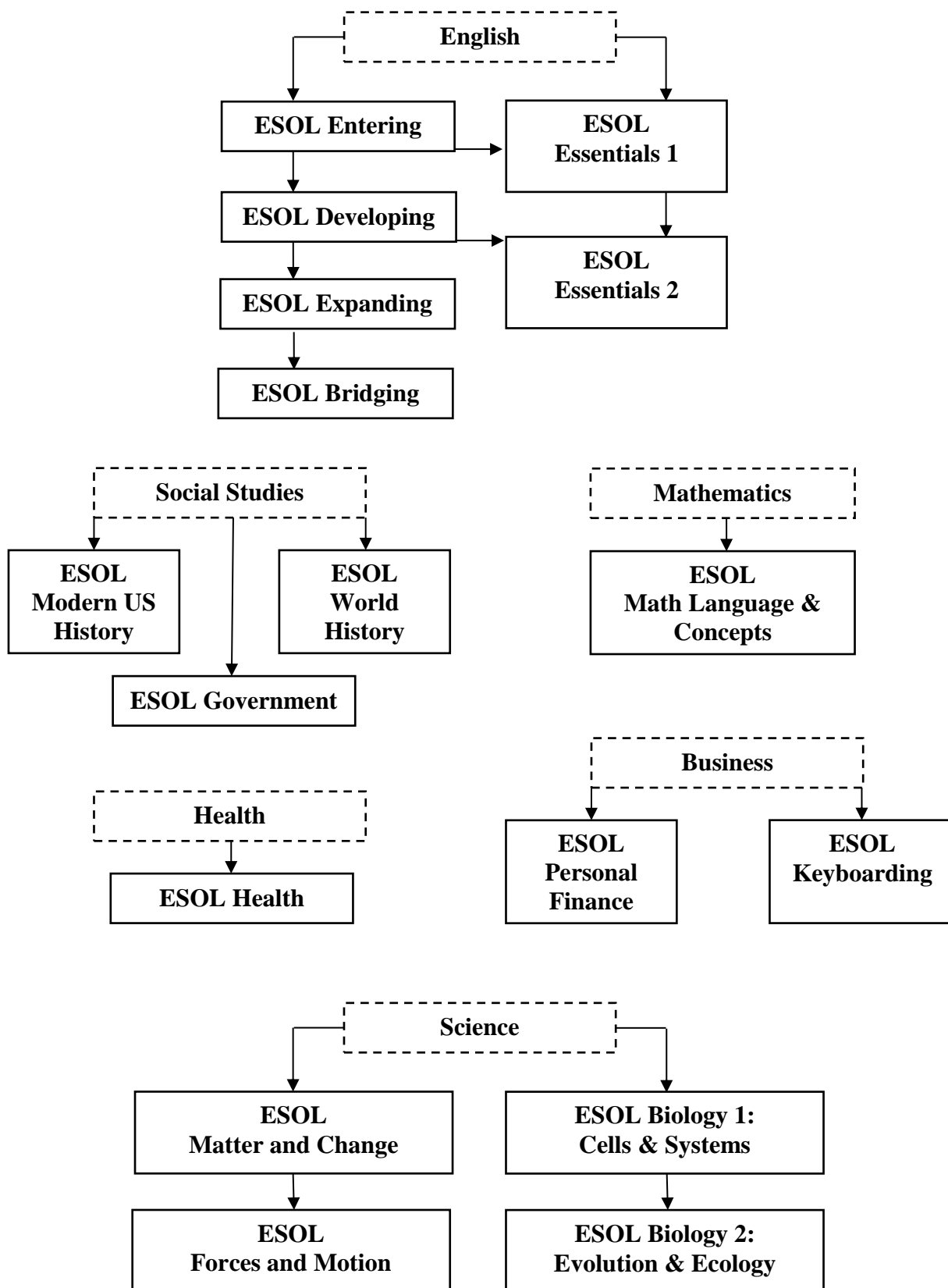
½ Elective Credit

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.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)

Department Course Sequence



ESOL Entering (formerly ESOL Level 1)

052911 & 052912

Grade(s): 9 - 12

2 English Credits

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 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

2 English Credits

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

1 English Credit

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

1 English Credit

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

2 English Credit

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**052941 & 052942**

Grade(s): 9 - 12

1 English Credit

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

1 Social Studies Credit

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**152001 & 152002**

Grade(s): 9 - 12

1 Social Studies Credit

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

½ Social Studies Credit

Prerequisite: Instructor Approval

This course is for students who are learning English as a new language. The history, institutions, branches, functions, electoral processes, and citizens' role 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

½ Science Credit

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

½ Science Credit

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 I: Cells & Systems**132141**

Grade(s): 9 - 12

½ Science Credit

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

½ Science Credit

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

1 Math Credit

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

½ Health Credit

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

½ Personal Finance Credit

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.

ESOL Keyboarding**032020**

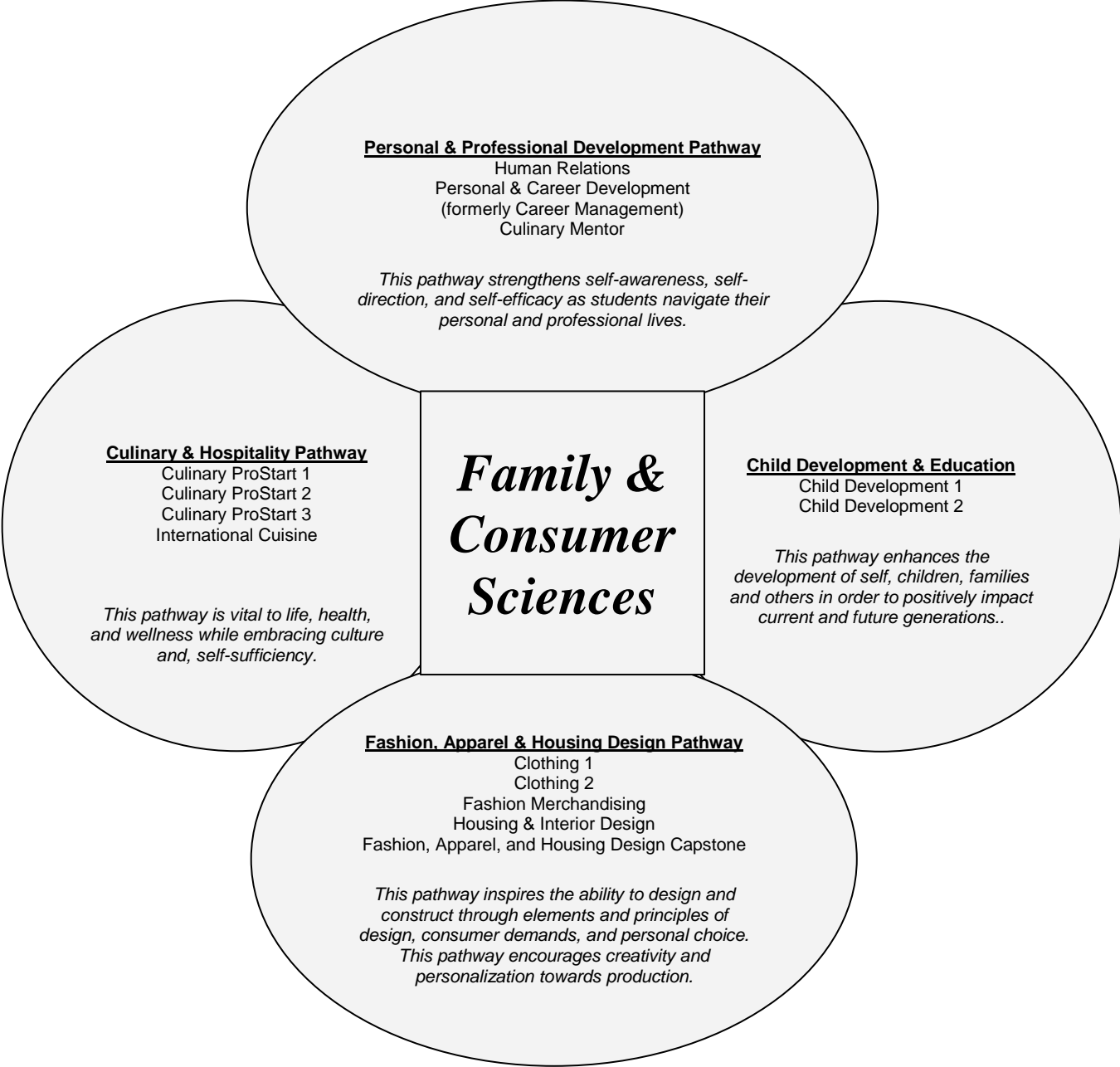
Grade(s): 9 - 12

½ Personal Finance Credit

Prerequisite: Instructor Approval

This course is for students who are learning English as a new language. Keyboarding Applications is an entry level keyboarding class. 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 Microsoft Word as they format personal and business documents. Students who key less than 30 words per minute should enroll in this course. Students will develop skills that will last a lifetime.

FAMILY & CONSUMER SCIENCE (FACS)



Culinary ProStart 1**097010**

Grade(s): 10 - 12

½ Career & Technical Ed Credit

Prerequisite: None

Culinary ProStart provides an opportunity for students with little or no prior foods preparation experience, but with an interest in food, to learn about culinary skills. This basic course introduces students into the world of professional cooking. Training in safety and sanitation (ServSafe), kitchen essentials including foodservice equipment and culinary techniques, the importance of communication, potatoes and grains are taught in the beginning course. Lab experiences will be provided throughout the semester in order to reinforce these skills. The ProStart program is a two-year industry-based program that prepares students for careers in the restaurant and foodservice industry.

Culinary ProStart 2**097020**

Grade(s): 10 - 12

½ Career & Technical Ed Credit

Prerequisite: Culinary ProStart 1

Culinary ProStart 2 is a course that will broaden or expand students' knowledge and skills acquired in Culinary ProStart 1. Topics include serving guest, stocks, sauces, soups, fruits, vegetables, management essentials and building a successful career. The Culinary ProStart® Program is a two-year industry-based program that prepares students for careers in the restaurant and foodservice industry.

Culinary ProStart 3**097051 & 097052**

Grade(s): 10 - 12

1 Career & Technical Ed Credit

Prerequisite: Culinary ProStart 2

Culinary ProStart 3 is the final course of this three-course program. In this year-long course, students will learn additional skills in the preparation of breakfast, salads, sandwiches, desserts, and baked goods. Students will also explore the following foodservice concepts; sustainability, culinary nutrition, and the art of garnishing. In this phase, students will also learn food preparation in meats, poultry, seafood and venture into the world of global cuisines. For the serious culinary student interested in a career in the restaurant industry, controlling cost, marketing and menu creation practices will be introduced. Students who pass the National Restaurant Solutions Year 1 and 2 exams, and complete 400 hours of mentored work experience can earn the Culinary ProStart National Certificate of Achievement. Many college, university, foodservice and hospitality programs offer benefits to Culinary ProStart graduates.

Let's Cook Together**095950**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

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

½ Elective Credit

Prerequisite: ProStart 1 or International Cuisine

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 Culinary Arts. 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

½ Career & Technical Ed Credit

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 difference. Students interested in the study of cultures will benefit from this course and no prior food preparation experience is required to be successful.

Clothing 1**097210**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

Prerequisite: None

Be one-of-a-kind and express your creativity by utilizing skills learned in clothing construction. With little or no sewing experience required, students will construct three projects. Students will learn the use and care of sewing equipment, pattern and fabric selection, and construction techniques necessary for project completion. Classes will use sergers and computerized sewing machines. **Students may need to purchase supplies for this course based on project selection.**

Clothing 2**097220**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

Prerequisite: Clothing I

This class allows students to further develop their creativity and sewing skills learned in Clothing I. Students will work with more difficult fabrics and complete advanced construction techniques. The student will be required to complete three projects. **Additional supplies may need to be purchased for this course.**

Fashion Merchandising**097250**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

Prerequisite: None

Fashion Merchandising provides an opportunity for the student interested in the field of fashion and merchandising. The student will investigate fashion careers, history of fashion, current trends and promotion. Individual student designs will be sketched. There will be no clothing construction in this course.

Housing and Interior Design**097550**

Grade(s): 9 - 12

½ Career & Technical Ed Credit

Prerequisite: None

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

½ Career & Technical Ed Credit

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

½ Career & Technical Ed Credit

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

½ Career & Technical Ed Credit

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

½ Career & Technical Ed Credit

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

½ Career & Technical Ed Credit

Prerequisite: 1.0 courses in Fashion, Apparel and Housing Design Pathway (Clothing 1, Clothing 2, 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 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 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

½ Fine Arts Credit 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

½ Fine Arts Credit

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

½ Fine Arts Credit 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

½ Fine Arts Credit

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 - Introduction to Music Theory**127720**

Grade(s): 9 - 12

½ Fine Arts Credit

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

1 Fine Arts Credit

Prerequisite: Permission of the instructor.

Advanced Placement Music Theory is a course designed to cover all material within the scope of work that would be equivalent to first year college courses in Music Theory and Ear Training. More specifically, it aims to prepare students to score a 3, 4, or 5 on the AP Music Theory exam prepared by the AP College Board. Curriculum is aligned directly with the guidelines laid out in the AP College Board Course Description for AP Music Theory. The foundation of knowledge presented in the year-long course will provide students with the opportunity to develop, practice, and master music theory skills essential to success in post-secondary music theory course work.

General Music – Music Technology**127770**

Grade(s): 9 - 12

½ Fine Arts Credit

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 keyboards are interfaced with computers and students learn to enter music using the keyboards.

Band - Concert Band**127511 & 127512**

Grade(s): 9 - 12

1 Fine Arts Credit

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 Lab**127521 & 127522**

Grade(s): 9 - 12

1 Fine Arts Credit

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

Jazz Lab 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

1 Fine Arts Credit

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

1 Fine Arts Credit

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

1 Fine Arts Credit

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 increase 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

1 Fine Arts Credit

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 by juniors and seniors only.

Vocal - Chorus**127001 & 127002**

Grade(s): 9 - 12

½ Fine Arts Credit

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

1 Fine Arts Credit

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

1 Fine Arts Credit

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

1 Fine Arts Credit

Prerequisite: Audition and concurrent enrollment in Concert Choir

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

1 Fine Arts Credit

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.

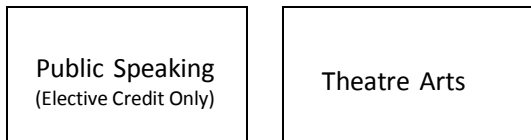
FINE ARTS: THEATRE

Theatre is a life-enhancing 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.

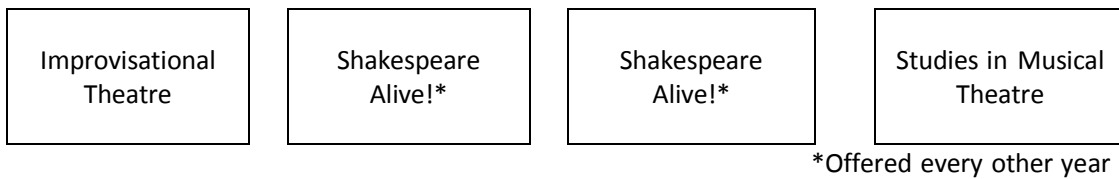
Below is the suggested course sequence in which a student should follow to gain the most out of the PCH Theatre curriculum and related activities. Students without any theatre training may be better suited for the Theatre Arts class and then move on.

SUGGESTED THEATRE COURSE SEQUENCE

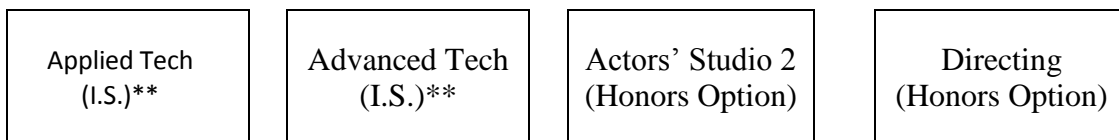
Level 1: Beginning courses; no prerequisites



Level 2: Intermediate courses; require prerequisite or teacher recommendation



Level 3: Advanced courses; require prerequisite or teacher recommendation



**I.S. = Independent Study

Public Speaking**057630**

Grade(s): 9 - 12

½ Elective Credit

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. College credit may be available for this course. Check with your instructor. This class is a prerequisite option for Competitive Speech and Debate.

Theatre Arts**057720**

Grade(s): 9 - 12

½ Fine Arts Credit

Prerequisite: None

This survey course is designed for both the student new to drama and the student with a general background in the theatre. The class will cover all aspects of the theatre: the play, the actor, and the audience. Group and individual work will be used to develop skills in movement, voice, and characterization, while also learning theatre terminology, production techniques, and play analysis. Improvisation and limited line memorization are required.

Improvitational Theatre**057730**

Grade(s): 9 - 12

½ Fine Arts Credit

Prerequisite: Previous theatre experience or permission of instructor

The student actor will become proficient in creative improvisational acting skills. Emphasis in this class will not be on memorization, but rather responding spontaneously and appropriately to given situations and characterizations. Students will explore improv through narrative elements, sketch comedy, Commedia Dell'Arte, comedy sports and stand up comedy.

Actors' Studio I**057800**

Grade(s): 10 - 12

½ Fine Arts Credit

Prerequisite: Theatre Arts or permission of instructor

The developing actor will be able to determine characterization, motivation, creative movement and staging through in-depth scene study and monologue. Although improvisation is used, memorization will be required. Emphasis is on 20th Century material.

Actors' Studio 2 (Honors Option)**057810**

Grade(s): 11 - 12

½ Fine Arts Credit

Prerequisite: Actors' Studio or permission of instructor

This class is an exploration of characterization through different methods and styles of acting using classical literature. Students will continue to analyze plays, and learn how to further analyze a character, through research and critical thinking. Monologues will be used as the means to study characterization. Memorization and successful completion of Actors' Studio 1 is required. An Honors grade may be earned.

Technical Theatre**057760**

Grade(s): 9 - 12

½ Fine Arts Credit

Prerequisite: Permission of instructor

This course will survey major areas of technical theatre including elements of design/ construction of sets, set painting, properties, stage lighting, sound, costuming, make-up, business, house and theatre management. Students will work independently in a hands-on practical environment. After-school and/or evening work will be expected. Students may repeat this course with an emphasis in advanced technical projects.

Directing (Honors Option)**057820**

Grade(s): 12

½ Fine Arts Credit

Prerequisite: Actors' Studio 1 & 2 and Technical Theatre or equivalent, co-curricular technical experience, and permission of instructor.

This course is for the advanced theatre student who is ready to demonstrate proficiency as a director. It is a laboratory course, which uses the theatrical production process as its experiment. Through the art of directing, acting, and design, students will apply these concepts to a final production, to be presented to the school and public. Successful completion of all prerequisite courses is required, as well as time commitment after school. An Honors grade may be earned.

Studies in Musical Theatre**127730**

Grade(s): 9 - 12

½ Fine Arts Credit

Prerequisite: Previous theatre experience or permission of theatre or vocal instructor

Studies in Musical Theatre will explore the related disciplines of music and drama using group and individual work to develop the skills of vocal and physical performance. This course will include instruction in stage terminology, vocal production, audition techniques, choreography, and scene composition. As both a singer and an actor, the student will learn to use the tools of characterization in order to effectively communicate the emotions of songs. Students will participate in performances of musical theater scenes and must have background or skill in both vocal music and drama. This course is offered during odd school years opposite Shakespeare Alive.

Shakespeare Alive!**057830**

Grade(s): 10 - 12

½ Fine Arts Credit

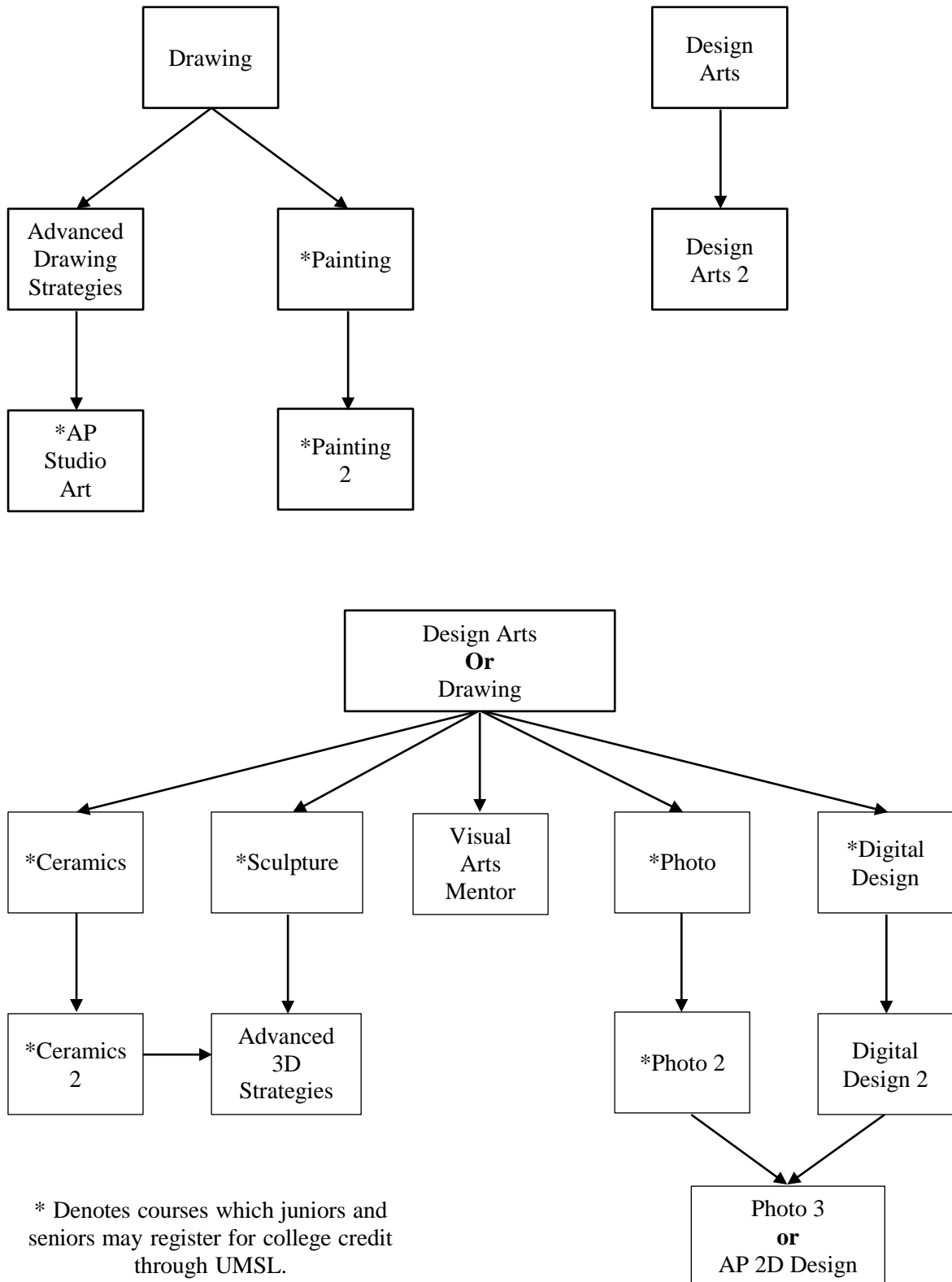
Prerequisite: English 1

This course is designed for the interested in performing Shakespeare. The reading, analysis, and interpretations of literature are performance based. Students will also study the production aspects associated with Elizabethan Theatre. Memorization is required. This course is offered during even school years opposite of Studies in Musical Theatre.

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

½ Fine Arts Credit

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.

Design Arts 2**027020**

Grade(s): 9 - 12

½ Fine Arts Credit

Prerequisite: Design Arts

Design Arts 2 promotes further exploration of the creative problem solving process and the development of more refined technical skills continued from Design Arts. A variety of media will be used to create projects in the area of design. Students will continue to evaluate their work and the work of others.

Drawing**027100**

Grade(s): 9 - 12

½ Fine Arts Credit

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

½ Fine Arts Credit

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

½ Fine Arts Credit

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): 9 - 12

½ Fine Arts Credit

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

½ Fine Arts Credit

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

½ Fine Arts Credit

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

½ Fine Arts Credit

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

½ Fine Arts Credit

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

½ Fine Arts Credit

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 print making 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

½ Fine Arts Credit

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

½ Fine Arts Credit

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

½ Fine Arts Credit

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 Studio Art**029781 & 029782**

Grade(s): 11 – 12

1 Fine Arts Credit

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

The honors level AP Studio Art is structured as a college course. Its purpose is to enable those enrolled to work toward building a portfolio for assessment by the College Board in AP Studio Art. This course is intended for highly motivated students committed to a serious study of studio art. AP Studio Art involves a higher level of proficiency and significantly more time than other high school art courses. Performance in other studio courses will be the criterion for placement in this class. Quality of the work should reflect first year college level standards. This course can be taken for college credit through University of Missouri-St. Louis. A weighted grade is given.

AP 2D Design: Photography and Digital Media**029831 & 029832**

Grade(s): 11 - 12

1 Fine Arts Credit

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

The Honors level AP 2D Design class is structured as a college course, intended for highly motivated students committed to a serious study of photography in the studio setting. This year long course will enable students to work toward building a portfolio which 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. The exploration of historical and traditional print making methods will be combined with various contemporary approaches and techniques, which will enhance the students' knowledge base. Mastery and exploration of current image taking, developing and darkroom techniques will prepare students for the demands of a college classroom within visual arts, advertising, graphic design, journalism and/or communications. 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

½ Fine Arts Credit

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

½ Elective Credit

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. Student 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

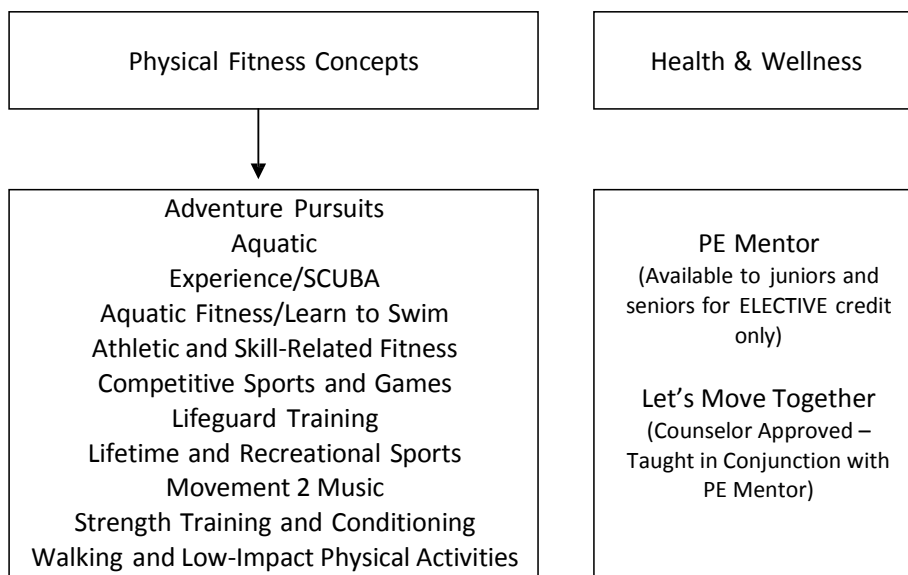
Any of the following courses will satisfy the remaining ½ of the Physical Education credit (if taken in 11th or 12th) or serve as electives (if taken in 10th or above required credits). ***NOTE: All courses listed below may be taken additional times for elective credit.**

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

11th – 12th Grade

The following course may be taken for elective credit only:

Physical Education Mentor



Health & Wellness**077100**

Grade(s): 10

½ Health Credit

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

½ Physical Education Credit

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

½ Physical Education Credit

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

½ Physical Education Credit

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

½ Physical Education Credit

Prerequisite: Physical Fitness Concepts

This course includes a variety of recreational and outdoor sport activities such as tennis, golf, badminton, pickle ball, 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

½ Physical Education Credit

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

½ Physical Education Credit

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

½ Physical Education Credit

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.

Aquatic Experiences / Scuba**087820**

Grade(s): 10 - 12

½ Physical Education Credit

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 throughout the semester through participation in various aquatic activities. Scuba and small craft experiences may require the class to participate in off-campus field trips.

Lifeguard Training**087830**

Grade(s): 10 - 12

½ Physical Education Credit

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

½ Physical Education Credit

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.

Movement 2 Music

087960

Grade(s): 10 - 12

½ Physical Education Credit

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). Music will be incorporated to help entertain students as they engage in moderate-to-vigorous physical fitness. Students will develop their competency in rhythms, dance, and fitness skills that will enable them to confidently and safely pursue personal fitness opportunities. Students will be expected to assess their personal fitness and develop a personal health plan, incorporating fitness training principles and dietary guidelines.

Let's Move Together

084950

Grade(s): 9 - 12

½ Physical Education Credit

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.

P.E. Mentor

087950

Grade(s): 11 - 12

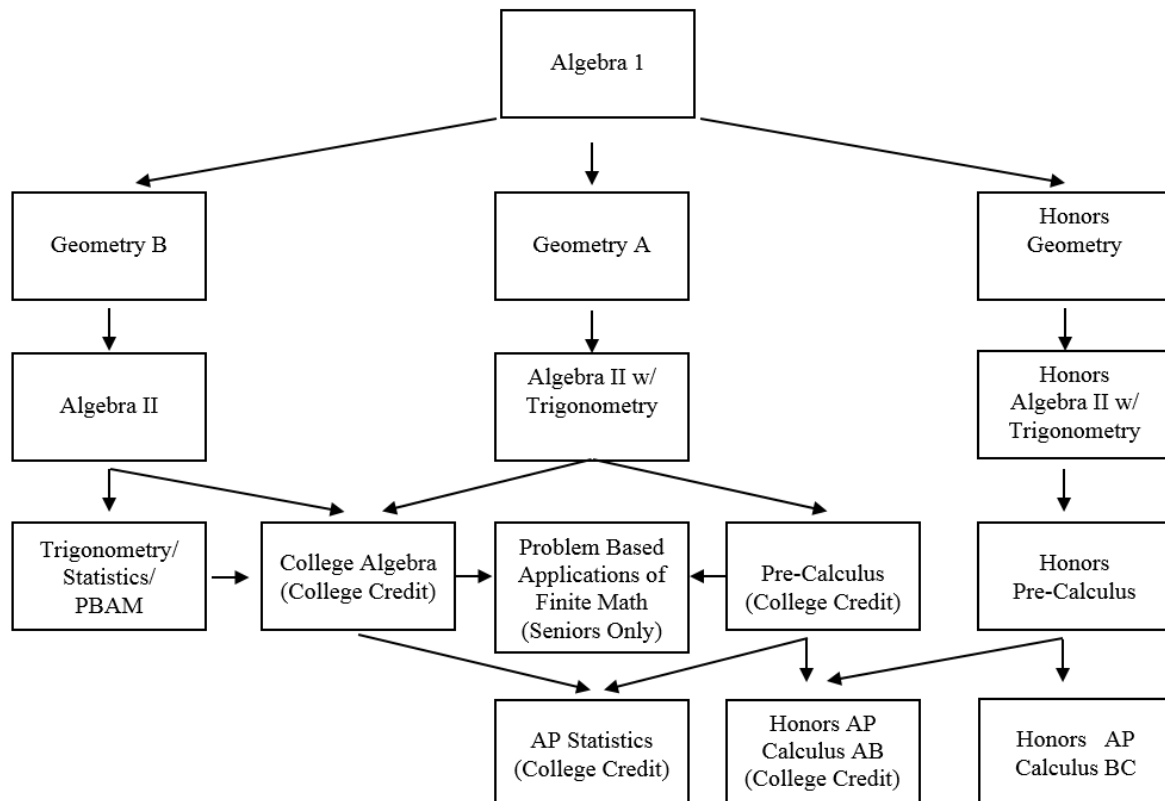
½ Elective Credit

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

1 Math Credit

Prerequisite: Mathematical Modeling: Algebra in Context

Algebra 1 is a critical turning point in the development of mathematical thinking. Everything that is quantifiable - whether through its measurable characteristics or changes over time - can be modeled and analyzed using algebraic and logical reasoning. Prior to this course, students have largely modeled and solved problems in real-world contexts with mathematical symbols. In Algebra 1, students move beyond working simply with concrete objects and begin analyzing the abstract world of mathematical objects. This analysis requires exploration and imagination as students create, discover, and uncover unifying patterns and structures in the realm of mathematics. An improved understanding of these structures will enhance all students' ability to apply algebra to real-world contexts for predictions and inferences, thus helping them better understand and respond to the challenges of our ever-changing world. This college preparatory course emphasizes real number operations, the manipulation of algebraic expressions, and the solution of algebraic sentences. At the conclusion of this course, students take the Algebra 1 End of Course Assessment required by the state of Missouri.

Algebra 1 Lab**960501 & 960502**

Grade(s): 9 - 12

1 Elective Credit

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

1 Math Credit

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

1 Math Credit

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

1 Math Credit

Prerequisite: Algebra 1 (Grade 8) 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 & 117301**

Grade(s): 11 - 12

1 Math Credit

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

1 Math Credit

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

1 Math Credit

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.

Trigonometry**117410**

Grade(s): 11 - 12

½ Math Credit

Prerequisite: Algebra 2

In this course, classical right angle trigonometry will be studied along with trigonometric identities and equations, the laws of sines and cosines, graphs and properties of the trigonometric functions and their inverses. Trigonometry will be defined using the unit circle approach and a graphical approach will be utilized throughout with an emphasis on solving application problems. This course is recommended for students who have successfully completed Algebra 2 and want additional preparation for standardized tests and college level mathematics.

Statistics**117900**

Grade(s): 11 - 12

½ Math Credit

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

½ Math Credit

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): 11-12

1 Math Credit

Prerequisite: 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

1 Math Credit

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

1 Math Credit

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

1 Math Credit

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

1 Math Credit

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

1 Math Credit

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

3 years of science credits are required for graduation of which:

- 1 year is biology with completion of the biology EOC exam
- 1 year is within the physical sciences

| | Courses that will satisfy graduation requirements |
|-------------------|--|
| Biology | Biology 1 & 2 / Honors Biology 1 & 2 |
| Physical Sciences | Matter & Change* / Force & Motion* Chemistry / Honors Chemistry / Principles of Chemistry Physics / AP 1 Physics / Principles of Physics |

* these courses are no longer available

The following sequence is recommended for any student planning to attend a 4 yr college and particularly for those interested in STEM careers, medicine or highly competitive universities. Electives 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.

| | Recommended Sequence | Options |
|-------------|-----------------------------|--|
| 9th | Biology | Bio 1 & 2 or Honors Bio 1 & 2 |
| 10th | Chemistry | Chemistry or Honors Chemistry or Principles of Chemistry |
| 11th | Physics | Physics or AP Physics 1 or Principles of Physics |
| 12th | Elective(s) | see below |

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

*available for college credit

Biology 1: Cells and Variation**137140**

Grade(s): 9

½ Science Credit

Prerequisite: None

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. The topics will be presented through numerous laboratory activities, lectures, and discussions and will emphasize process and thinking skills.

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

Grade(s): 9

½ Science Credit

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. The topics will be presented through numerous laboratory activities, lectures, and discussions; and will emphasize process and thinking skills. This course is designed to challenge the top ten percent of students. It is more intensive and requires increased levels of critical thinking and mathematical reasoning. It is designed for the student who anticipates a science-based career, desires an accelerated science program, and intends to take advanced courses in science. A weighted grade is given.

Biology 2: Evolution & Ecology**137150**

Grade(s): 9

½ Science Credit

Prerequisite: Biology 1

This second 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. These topics will be presented through numerous laboratory activities, lectures and discussions and will emphasize process and thinking skills. The Missouri Biology End of Course Assessment is given at the conclusion of this course.

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

Grade(s): 9

½ Science Credit

Prerequisite: Honors Biology 1 or Department Recommendation

This second 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. These topics will be presented through numerous laboratory activities, lectures and discussions and will emphasize process and thinking skills. This course is designed to challenge the top ten percent of students. It is more intensive and requires increased levels of critical thinking and mathematical reasoning. It is designed for the student who anticipates a science-based career, desires an accelerated science program, and intends to take advanced courses in science. 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

½ Science Credit

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

½ Science Credit

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

This course is designed as an introduction to the major phyla of the animal kingdom. In each phylum, students will study the animals' characteristics and examples of each class. The course is structured on the phylogenetic development of the animal kingdom. There will also be laboratory studies, both microscopic and macroscopic. The second area of study will be learning to shelter and care for animals and observing the animal's behavior.

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

Grade(s): 11 - 12

1 Science Credit

Prerequisite: Biology 1, Biology 2 and 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

½ Science Credit

Prerequisite: Biology 1 and Biology 2

Environmental Science centers on the principles of ecology. The student will investigate the way nature operates when left undisturbed and when influenced by man. Major concepts include: studies of soil, air and water, environmental variables, population dynamics, indicator organisms, succession, pathology of the environment, and energy. The student will use laboratory experiences, field trips, audio-visuials, current literature, guest speakers, and textbook studies in an investigation of nature's way.

Environmental Science 2**137510**

Grade(s): 10 - 12

½ Science Credit

Prerequisite: Biology 1 and Biology 2

Environmental Science 2 centers on the topics of Energy, Biodiversity, Soil and Agriculture and Air and Climate Modification. The students will use laboratory exercises, field trips, audio-visuials, current literature, guest speakers and textbook studies in the investigation of the included topics.

Astronomy & Space Science**137560**

Grade(s): 10 - 12

½ Science Credit

Prerequisite: Biology 1 and Biology 2

This course is designed for students interested in the evolution of our solar system. Topics in astronomy include evolution of our solar system, star birth, star death, constellations, galaxies, supernovas, quasars, black holes, satellites, space exploration, and our own planet. Methods of instruction include class discussion, videos, computer programs, lab experiences, group/individual research and projects.

Forensics Science – C**137480c**

Grade(s): 11 - 12

½ Science Credit

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

This course is intended to introduce students to the field of forensic science, science applied to the law. Forensic science includes all areas of scientific endeavor, such as medicine, anthropology, entomology, physics, chemistry and biology. This course will emphasize the chemical systems involved in forensic investigations. The student will also be introduced to criminalistics, and services normally provided by crime laboratories through various laboratory experiments. By stepping into the role of crime scene investigator, the student will learn various scientific strategies and skills.

Chemistry**137201 & 137202**

Grade(s): 10 - 12

1 Science Credit

Prerequisite: Biology 1, Biology 2 and Algebra

This course can fulfill the third required year of science credit and completes the recommended core curriculum in chemistry. 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

1 Science Credit

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 student 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

1 Science Credit

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

This course can fulfill the third required year of science credit and completes the recommended core curriculum in chemistry. Topics include atomic structure, periodicity, bonding, nomenclature, chemical reactions, stoichiometry, gas laws and physical states, thermochemistry, solutions, 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. This course is designed to challenge the top 10% of students. It is more intensive and requires more critical thinking than Chemistry. It is designed for the student who has an exceptional interest in science and desires an accelerated science program. Class lectures will often feature advanced, cognitive material delivered at a greater pace and depth. A weighted grade is given.

Physics**137301 & 137302**

Grade(s): 10 - 12

1 Science Credit

Prerequisite: Geometry A

Physics is essential for a well-rounded science background. This course prepares students for a collegiate education. Students will investigate the following units: forces, motion in two-dimensions, energy and momentum, mechanical waves, sound, light and optics, and electricity.

Principles of Physics**137361 & 137362**

Grade(s): 10 - 12

1 Science Credit

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

1 Science Credit

Prerequisite: Concurrent Enrollment in Algebra II / Trigonometry

AP Physics 1 is the study of trigonometry based physics. This course prepares students to take the College Board Advanced Placement Physics 1 examination and is equivalent to college level General Physics 1. Laboratories, discussion, demonstration, and lecture will be used to investigate forces, motion in one & two-dimensions, circular and rotational motion, gravitation, energy and momentum, mechanical waves, sound, and introductory static electricity and DC circuits. Due to the accelerated nature and greater depth of this course, a proficient level of mathematics is necessary for success. A weighted grade is given.

AP Biology**139151 & 139152**

Grade(s): 11 - 12

1 Science Credit

Prerequisite: Biology 1, Biology 2, Chemistry (C or better)

This course is designed for those students who are considering science as a profession or wish to earn college credit during high school. The content is equivalent to that of a freshman college course. The research techniques of the biologist and major biological concepts will be covered. Some topics include: the cell, biochemistry, photosynthesis, respiration, molecular genetics, transmission genetics, population genetics, evolution, phylogeny, plant and animal development and function. 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

1 Science Credit

Prerequisite: Chemistry (C or better)

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

AP Physics C: Mechanics**139321**

Grade(s): 11 - 12

½ Science Credit

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

The course is a college level equivalent to calculus based mechanics with an emphasis to complete the College Board AP exam. Instructional methods include: lecture, demonstration, discussion, literature research, and laboratory. A weighted grade is given.

AP Physics 2**139421 & 139422**

Grade(s): 10 - 12

1 Science Credit

Prerequisite: AP Physics 1 (C or better)

The study of trigonometry based physics culminates in AP Physics 2. This course prepares students to take the College Board Advanced Placement Physics 2 examination and is equivalent to college level General Physics 2. Laboratories, discussion, demonstration, and lecture will be used to investigate optics, fluid mechanics, thermal physics, electrical fields, currents and circuits, magnetism, and modern physics. A weighted grade is given.

AP Environmental**139501 & 139502**

Grade(s): 11-12

1 science credit

Prerequisite: Biology 1 and Biology 2 and Chemistry

Advanced Placement Environmental Science is a course devoted to applying the scientific processes and reasoning to understanding the environment. The focus is on the natural and the human-made challenges affecting the environment. This course will include a study of the natural and man-made environmental cycles, pollution, population dynamics, resource pressure, and human responsibility in both the political and personal form. Students will gain new information through lectures, guest speakers, and individual research. They will also design and conduct a number of laboratory investigations related to the processes affecting the environment.

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) |
|---|--|

Grade 10:

| | |
|------------------------------------|---------------------------------------|
| World History (1 year=1 credit) | AP World History (1 year=1 credit) |
|------------------------------------|---------------------------------------|

Grade 11:

| | |
|--|---|
| Government (1 semester = 1/2 credit) | AP U.S. Government & AP Comparative Politics (1 year = 1 credit) |
| + | or |
| Social Studies Elective (1 semester = 1/2 credit) | AP U.S. Government and Politics (1 year = 1 credit) |

Grade(s) 11 / 12: Electives

| 1 semester = 1/2 credit | 1 year = 1 credit |
|---|---|
| AP Human Geography Anthropology Colonial America – Honors Contemporary Issues Crime and Law Economics History of St. Louis Media in America Philosophy and Ethics Psychology Sociology Social Psychology | AP Psychology AP United States History |

Modern United States History**157001 & 157002**

Grade(s): 9

1 Social Studies Credit

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

1 Social Studies Credit

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

1 Social Studies Credit

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

1 Social Studies Credit

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.

United States Government

157100

Grade(s): 11 - 12

½ Social Studies Credit

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.

| | 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 |

AP United States Government & Politics

159121 & 159122

Grade(s): 11 - 12

1 Social Studies Credit

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

1 Social Studies Credit

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.

History of St. Louis

157350

Grade(s): 11 - 12

½ Social Studies Credit

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 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

½ Social Studies Credit

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

½ Social Studies Credit

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

½ Social Studies Credit

Prerequisite: Junior or Senior Standing

This course will focus on modern issues in all areas of the 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

½ Social Studies Credit

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

½ Social Studies Credit

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

½ Social Studies Credit

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

½ Social Studies Credit

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.

Sociology**157790**

Grade(s): 11 - 12

½ Social Studies Credit

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

½ Social Studies Credit

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.

Social Psychology**157810**

Grade(s): 11 - 12

½ Social Studies Credit

Prerequisite: Junior or Senior Standing

The major emphasis of study is directed at psychology including units on family life, how emotions and motivation affect our relationships, adjustments in the family, divorce, suicide, awareness of the environment, and special individual interest areas. Sociology or psychology is strongly recommended as prerequisites.

AP Human Geography**159510**

Grade: 10 – 12

½ Social Studies Credit

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

1 Social Studies Credit

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

1 Social Studies Credit

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.

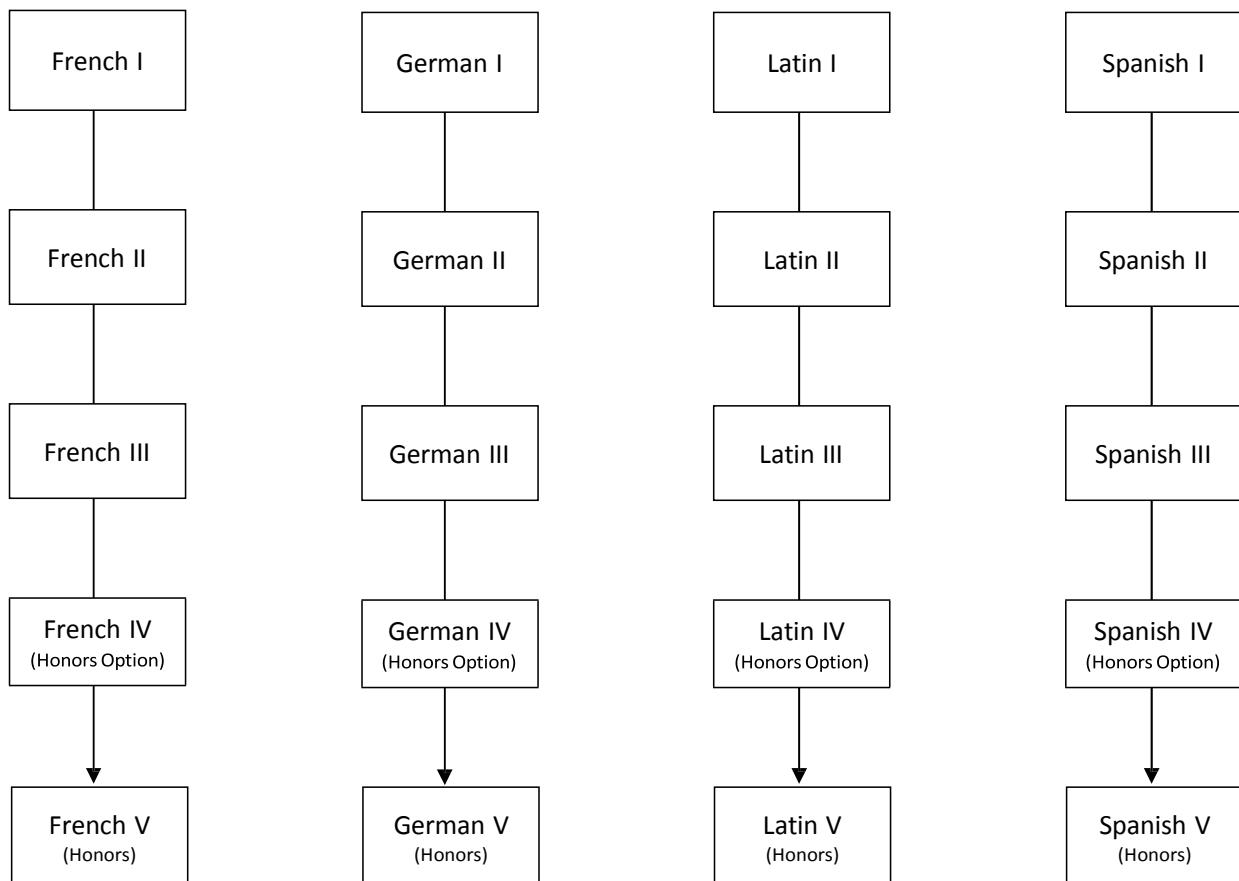
WORLD LANGUAGES

(formerly Modern & Classical Languages)

“The limits of my language are the limits to my world.” Ludwig Wittgenstein’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 Languages 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 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!

Honors option is available in all Level 4 courses for juniors and seniors. All Level 5 courses are designated Honors courses. College credit is available in French, German and Spanish Levels 3, 4 and 5 through The University of Missouri - St. Louis to sophomores, juniors and seniors who qualify.

World Languages Course Sequence



French 1**067011 & 067012**

Grade(s): 9 - 12

1 Elective Credit

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

1 Elective Credit

Prerequisite: HS Level 1 or MS Level A & B

French 2 is for students who can speak, read, understand, and write at a basic 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

1 Elective Credit

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 learning to elaborate in formal and informal situations in French. In Levels 3, 4, and 5 students who qualify may have the option of earning college credit.

French 4**067041 & 067042**

Grade(s): 11 - 12

1 Elective Credit

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 the 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 tackle listening, speaking, reading and writing tasks and assignments featuring authentic literature, film, and topics of contemporary interest and concern. There will be opportunities for student performance events via multimedia presentations. 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. An Honors grade may be earned. In Levels 3, 4, and 5 students who qualify may have the option of earning college credit.

Honors French 5**068051 & 068052**

Grade(s): 12

1 Elective Credit

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. Student performance events may take the form of multimedia presentations. Ultimately, students in French 5 will understand clearly that they are members of a diverse and increasingly global society. Students may earn college credit in Levels 3, 4, and 5. As an honors course, a weighted grade is given for Level 5. Those wanting to earn AP credit may also choose to take the Advanced Placement Language Examination in the language.

German 1**067111 & 067112**

Grade(s): 9 - 12

1 Elective Credit 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

1 Elective Credit

Prerequisite: HS Level 1 or MS Level A & B

German 2 is for students who can speak, read, understand, and write at a very basic 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 preference 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

1 Elective Credit

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 learning to elaborate in formal and informal situations in German. In Levels 3, 4, and 5 students who qualify may have the option of earning college credit.

German 4**067141 & 067142**

Grade(s): 11 - 12

1 Elective Credit

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 the 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 tackle listening, speaking, reading and writing tasks and assignments featuring authentic literature, film, and topics of contemporary interest and concern. There will be opportunities for student performance events via multimedia presentations. 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. An Honors grade may be earned. In Levels 3, 4, and 5 students who qualify may have the option of earning college credit.

Honors German 5**068151 & 068152**

Grade(s): 12

1 Elective Credit

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. Student performance events may take the form of multimedia presentations. Ultimately, students in German 5 will understand clearly that they are members of a diverse and increasingly global society. Students may earn college credit in Levels 3, 4, and 5. As an honors course, a weighted grade is given for Level 5. Those wanting to earn AP credit may also choose to take the Advanced Placement Language Examination in the language.

Latin 1**067211 & 067212**

Grade(s): 9 - 12

1 Elective Credit 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 through 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

1 Elective Credit

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

1 Elective Credit

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.

Latin 4**067241 & 067242**

Grade(s): 11 - 12

1 Elective Credit

Prerequisite: Latin 3

Veni, Vidi, Vici! This course concludes the acquisition of Latin grammar and introduces historical Roman authors. Students will see their hard years of 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. An Honors grade may be earned.

Honors Latin 5**068251 & 068252**

Grade(s): 12

1 Elective Credit

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 Exam. A weighted grade is given.

Spanish 1**067311 & 067312**

Grade(s): 9 - 12

1 Elective Credit 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. They will be able to communicate at a basic level. This course is intended for students who have never taken Spanish.

Spanish 2**067321 & 067322**

Grade(s): 9 - 12

1 Elective Credit

Prerequisite: HS Level 1 or MS Level A & B

Spanish 2 is for students who can speak, read, understand, and write at a basic 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

1 Elective Credit

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 learning to elaborate in formal and informal situations in Spanish. In Levels 3, 4, and 5 students who qualify may have the option of earning college credit.

Spanish 4**067341 & 067342**

Grade(s): 11 - 12

1 Elective Credit

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 the 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 tackle listening, speaking, reading and writing tasks and assignments featuring authentic literature, film, and topics of contemporary interest and concern. There will be opportunities for student performance events via multimedia presentations. 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. An Honors grade may be earned. In Levels 3, 4, and 5 students who qualify may have the option of earning college credit.

Honors Spanish 5

Grade(s): 12

1 Elective Credit

Prerequisite: Level 4

068351 & 068352

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. Student performance events may take the form of multimedia presentations. Ultimately, students in Spanish 5 will understand clearly that they are members of a diverse and increasingly global society. Students may earn college credit in Levels 3, 4, and 5. As an honors course, a weighted grade is given for Level 5. Those wanting to earn AP credit may also choose to take the Advanced Placement Language Examination in the language.

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 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 Parkway School District will 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 and Fern Ridge 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.

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! BIOSCIENCE

207491 & 207492

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.

SPARK! ENGINEERING

207431 & 207432

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.

SPARK! INCUBATOR**207461 & 207462**

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

The Incubator is a business incubator where students will learn the skillsets 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.

SPARK! PRE-PROFESSIONAL HEALTH SCIENCES ACADEMY**207451 & 207452**

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.

SPARK! TEACHING & LEARNING**207471 & 207472**

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.

SPARK! TECHNOLOGY SOLUTIONS**207401 & 207402**

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

Students in Spark! Technology Solutions will discover a vast array of specialty areas available in technology careers where professionals utilize technology to solve business problems and design products. Students are immersed in a professional environment tackling and solving real world problems while working on client-defined projects and tasks. Students may be exposed to the following areas: software engineering, web development, operating systems, hardware technologies, network design/technologies, management information systems, media (print, film, web) or emerging technologies.

Visit www.parkwayspark.com to apply for Spark! Experiences.

virtual

Virtual learning or "Complete Virtual Learning" as it is often called, refers to a course that is taken completely online by the student. The student does not attend a traditional "brick and mortar" school building to take a virtual course. Communication with the instructor and other students is done primarily via electronic communication.

Over the past decade, virtual learning has grown into a standard practice in many school districts around the country. In 2007, there were an estimated 1,000,000 enrollments in K-12 online learning in the United States.

The creation of virtual learning environments in the Parkway School District will allow our schools to expand their curricular offerings in advanced and specialty courses as well as technical, remedial, and required courses. Classes will be designed to meet a variety of learning styles and needs. A virtual learning program has the potential to be a major factor for educational reform in Parkway. By providing students with a virtual learning option for courses, Parkway directly addresses the mission of creating curious, confident, caring and capable students in an ever-changing world. This puts our graduates at an advantage as they further their learning in the future in that they will have the experience and the confidence of having worked in a virtual learning environment. Furthermore, a virtual learning environment has the potential to increase the graduation rate and performance in all groups of students, as well as provide flexibility in when/how they complete their coursework.

The goal of the Parkway virtual learning initiative is to offer students a flexible, online alternative to extend and enrich learning as well as complete a portion of their course work.

AP ART HISTORY 1: PREHISTORIC TO EARLY RENAISSANCE

029560V

Grades: 11-12

½ Fine Arts credit

Prerequisite: None

This course is an exciting study of Western and Non-Western painting, sculpture, and architecture from the Prehistoric to early Renaissance periods. Artworks will be presented in the historical, social, and political contexts in which they were created. The fundamental skills necessary to analyze art will be developed. Both Advanced Placement courses, Art History 1 and 2 are necessary to prepare students to take the Advanced Placement examination. It is best to take AP Art History 1 and 2 sequentially. This course can be taken for three college hours of credit through University of Missouri-St. Louis. A weighted grade is given.

AP ART HISTORY 2: RENAISSANCE TO CONTEMPORARY

029570V

Grades: 11-12

½ Fine Arts credit

Prerequisite: Art History 1 recommended

This course is an exciting study of Western and Nonwestern painting, sculpture, and architecture from the Renaissance to Contemporary. Artworks will be presented in the historical, social, and political contexts in which they were created. The fundamental skills necessary to analyze art will be developed. Both art history 1 and 2 are necessary to prepare students to take the College Board Advanced Placement examination. It is best to take both art history courses sequentially. AP Art History 2 can be taken for three college hours of credit through University of Missouri-St. Louis. A weighted grade is given.

COMPARATIVE MYTHOLOGY

057541V (Sem 1) & 057542V (Sem 2)

Grades: 10-12

½ English credit

Prerequisite: None

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.

PERSONAL FINANCE**037101V (Sem 1) & 037102V (Sem 2)**

Grades: 10-12
½ Personal Finance credit
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.

FOUNDATIONS OF VIDEO GAME DESIGN**037901V (Sem 1) & 037902V (Sem 2)**

Grades: 9-12
½ CTE credit
Prerequisite: None

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. All classwork will be completed online.

AMERICAN SIGN LANGUAGE 1**067511V & 067512V**

Grades: 9-12
1 Elective credit
Prerequisite: None

American Sign Language (ASL) 1 is an introduction to the most widely used sign language in the United States. Students will study the basic vocabulary, structure, syntax and grammar of ASL. Students will focus on mastering the basics of finger spelling, facial grammar and sentence structure; and will also learn conversational/cultural behaviors necessary to hold a beginning-level conversation in ASL, with deaf/hard-of-hearing native users of the language. Introductory information about deaf culture will also be presented to provide students with a broad picture of language and culture. This course is intended for students that have little to no experience with ASL. Subsequent levels of this course will be dependent on student enrollment.

JAPANESE 1**067411V & 067412V**

Grades: 9-12
1 Elective credit
Prerequisite: None

This course is designed for students with no background knowledge in Japanese and wish to develop skills in understanding, speaking, reading, and writing in Japanese. Emphasis will be on learning to communicate in Japanese on topics of daily life, with frequent use of paired practice, small group work, and role plays. Students will be introduced to using the Japanese language for many different purposes, such as the following: expressing feelings, preference, and opinions; describing people, things, and places; and making requests. Students will read basic descriptions of life in the country of Japan and be introduced to various examples of authentic text found in the culture such as signs, advertisements and letters. A great variety of up-to-date materials will be used in class.

JAPANESE 2**067421V & 067422V**

Grades: 10-12

1 Elective credit

Prerequisite: Japanese 1

This course is designed for students who can function in the Japanese language at a very basic level and wish to improve and expand their skills in understanding, speaking, reading, and writing. Emphasis will be on learning to communicate in the Japanese on topics of daily life, with frequent use of paired practice, small group work, and role plays. Students will increase their range of expression, learning to use the language for many different purposes, such as the following: expressing feelings, preference, and opinions; describing people, things, and places; and making requests. Students will read descriptions of life in the country of Japan and be introduced to various examples of authentic text found in the culture such as signs, advertisements and letters. A great variety of up-to-date materials will be used in class.

MANDARIN CHINESE 1**067611V & 067612V**

Grades: 9-12

1 Elective credit

Prerequisite: None

This course is designed for students with no background knowledge in Mandarin Chinese and wish to develop skills in understanding, speaking, reading, and writing in Mandarin Chinese. Emphasis will be on learning to communicate in Mandarin Chinese on topics of daily life, with frequent use of paired practice, small group work, and role plays. Students will be introduced to using the Mandarin Chinese language for many different purposes, such as the following: expressing feelings, preference, and opinions; describing people, things, and places; and making requests. Students will read basic descriptions of life in the country of China and be introduced to various examples of authentic text found in the culture such as signs, advertisements and letters. A great variety of up-to-date materials will be used in class.

MANDARIN CHINESE 2**067621V & 067622V**

Grades: 10-12

1 Elective credit

Prerequisite: None

This Virtual Mandarin Chinese 2 course is the second year of the Chinese language program. It is designed for those who have taken Virtual Mandarin Chinese 101. The course aims at further developing fundamental language skills. All four skills (speaking, reading, listening and writing) will be emphasized and learned in communicative context. Many aspects of everyday Chinese culture will be introduced through all sorts of activities. By the end of the semester, students are expected to be able to engage in basic daily conversation, read simple texts as well as write for daily needs. Accurate tones and pronunciation are expected.

HEALTH & WELLNESS**077101V (Sem 1) & 077102V (Sem 2)**

Grade: 10

½ Health credit

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. This course meets the 1/2 credit health education requirement for high school graduation.

AP STATISTICS**119901V & 119902V**

Grades: 11-12

1 Math credit

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.

SOCIOLOGY**157791V (Sem 1) & 157792V (Sem 2)**

Grades: 11-12

½ Social Studies credit

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.

Visit pkwy.info/parkwayv to apply for Parkway Virtual Courses.

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 http://www.edline.net/pages/Fern_Ridge_High. Attending Fern Ridge is a privilege and space is limited to 110 students.

SOUTH TECHNICAL HIGH SCHOOL

Off-campus electives at South Tech High School allow you to...

- **Get a jumpstart on college!** Earn valuable college credits.
- **Create connections that last a lifetime!** Mentor side by side with caring, engaging, and expert instructors.
- **Experience the best of both worlds!** Participate in your home high school activities while learning skills for a lifetime.
- **Build a road map to success!** Develop a customized education and career plan, together with an advisor, based on your unique interests and talents.
- **Learn tuition FREE!** Take advantage of public funded career education in high school compared to paying thousands after graduation.

Apply for admission in your guidance office or call 314.989.8521. For more information about the school or specific program offerings, please go to...

www.southtechhigh.org.

2018-19 PROGRAM OFFERINGS

AUTO BODY
AUTOMOTIVE TECHNOLOGY
CARPENTRY
CISCO NETWORKING
CONSTRUCTION INNOVATIONS
CONSTRUCTION TRADES
COSMETOLOGY
CULINARY ARTS
DENTAL SCIENCES
DESIGN & ENTERPERENEURSHIP
EARLY CHILDHOOD EDUCATION
ELECTRICAL TRADES
ELECTRONICS & ROBOTICS ENGINEERING
EMERGENCY MEDICAL TECHNICIAN
FIREFIGHTING
FLOOR LAYERS
GRAPHIC DESIGN
HEALTH SCIENCES
HEALTH SCIENCES ACADEMY
HEATING, VENTILATION, AND AIR CONDITIONING
LAB & PHARMACY SCIENCES
LAW ENFORCEMENT
PRECISION MACHINING
VETERINARY ASSISTANT
WEB & COMPUTER PROGRAMMING
WELDING



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.

Goals of the A+ Program:

- All students graduate high school.
- All students complete high school studies that are challenging and that have identified learner expectations.
- All students proceed from high school to college, post-secondary vocational/technical school, or a high wage job.

Participating High Schools are encouraged to:

- Reduce the dropout rate.
- Raise academic expectations by eliminating general track courses.
- Provide career pathways for all students.
- Work closely with business and educational leaders to better prepare students for their lives after graduation.

Student Eligibility:

- Be a U.S. citizen or permanent resident
- Enter into a written agreement with Parkway Central High School prior to graduation
- Attend an A+ designated high school for three consecutive years immediately prior to graduation
- Graduate with an overall GPA of 2.5 or higher on a 4.0 scale (grades 9-12) (unweighted)
- Have an overall attendance rate of 95% or higher (grades 9-12)
- Perform and document 50 hours of unpaid, district supervised tutoring/mentoring (up to 25 hours may come from Community Service, if necessary)
- Maintain a record of good citizenship and avoid the unlawful use of drugs and alcohol
- Make a good faith effort to secure federal aid by completing the Free Application for Federal Student Aid (FAFSA)
- Register with the Selective Service (males only)
- Achieve a score of Proficient or Advanced on the official Algebra I end of course exam or state-approved equivalent exam
- To retain this eligibility after high school graduation, students must enroll and attend on a full-time basis a Missouri public community college or public career/technical school, AND maintain a grade point average of 2.5 or higher on a 4.0 scale.

Students who meet or exceed these requirements may be eligible to attend a Missouri public community college or vocational/technical school tuition-free. A student is eligible to access the funds up to 48 months from high school graduation. Other Missouri post-secondary institutes do not participate in the A+ schools program but may also offer financial incentives. Please contact individual colleges/universities for more information.

***Tuition reimbursement is contingent upon availability of state funds. All individuals required to register with the Selective Service must do so to be eligible for state-supported scholarships and programs for financial assistance for post-secondary education. Students must fill out the FAFSA no earlier than January of senior year in order to be eligible for A+ funding at the post-secondary institution. The financial incentives of the A+ Schools Program are dependent upon state appropriations from the Missouri General Assembly. The incentives are not the funding responsibility of the Parkway School District. Student financial incentives may be accessed over a 48 month period after graduation and contingent upon legislative approval.**

***If you have any questions about the A+ Program, please contact Nana Prange at (314) 415-7918 or e-mail at nprange@parkwayschools.net. For additional information; visit our A+ page on the PCH Website.

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 Biology
AP Calculus AB or BC
AP Chemistry
AP Computer Science
AP English Language and Composition
AP English Literature and Composition
AP Environmental Science
AP Human Geography
AP Music Theory

AP Physics 1
AP Physics 2
AP Psychology
AP Statistics
AP Studio Art
AP United States History
AP US Government & Politics
AP US Government and Comparative Politics
AP World History
5th Year of Latin, French, German or Spanish

**Examination fee 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 Psychology
AP Physics
AP Statistics
AP Studio Art
AP US Government and Comparative Politics
AP US History
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

MISSOURI BAPTIST COLLEGE

Microsoft Office Professional
Accounting 2
Honors Accounting 3

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 Associate in Applied Science degree or certificate program. This credit is not awarded for Associate in Arts (transfer) degrees.

| Parkway Course | Post-Secondary Institution | Pre-Requisites | Post-Secondary Course Information | Cost |
|---|-----------------------------------|-----------------------|--|-------------|
| Introduction to Engineering Design | STLCC | None | EGR:147 Introduction to Engineering Design | Free |
| Principles of Engineering | STLCC | None | GE:121 Principles of Engineering | Free |
| Accounting 1 | STLCC | None | ACC:100 Applied Accounting | Free |
| Introduction to Computer Science | STLCC | None | IS:259 Intro to Java Script | Free |
| Microsoft Office | STLCC | None | IS: 151 | Free |
| Web Design 1 | STLCC | None | IS: 129 HTML | Free |
| Child Development 1 and 2 | STLCC | None | ECE:125 Child Growth and Development I | Free |
| Spark! Pre-Professional Health Sciences Academy | STLCC | None | Health Information Terminology (4CR) *Students must have an 80% or higher in the course to be recommended for credit. | 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 a 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 follow specific research-based curricula to teach reading, writing, and learning strategies designed to meet the student's individual goals. 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 teacher 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 +/- 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.