

Parkway

NORTH

A National Recognition School



Student Course Guide

2021-2022

12860 Fee Fee Road, St. Louis, Missouri 63146

PURPOSE

The Student Course Guide has been developed for the students and parents of Parkway North to present important information about programs and courses offered to the students of North High. Students and parents should be able to combine the information in the guidebook with advice received from teachers, counselors, and administrators in order to make decisions about courses that will provide students with the education they need for their future plans. Students and parents are encouraged to utilize the Student Course Guide as a reference to use throughout the school year. The Student Course Guide is located on North's website under www.parkwayschools.net.

We encourage parents and students to develop a four-year academic plan to guide them toward their post-graduation and career goals. It is important to select courses very carefully to fulfill that plan. Although this guidebook has explanations of each course approved for offering at North High School, questions often arise about course content or graduation requirements. Please address those questions to the high school counselors and principals.

PARKWAY SCHOOL DISTRICT MISSION STATEMENT

To ensure all students are capable, curious, caring and confident learners who understand and respond to the challenges of an ever-changing world.

PARKWAY NORTH HIGH SCHOOL MISSION STATEMENT

To develop self-directed, creative, critical thinkers who are socially responsible people prepared for an ever-changing world.

Cover Designed By: Audrey Chang

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Family & Consumer Sciences	Scott Phillips
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Performing Arts	Brian Reeves
Physical Education	John Sheridan
Science	Megan Yemm
Social Studies	Amy Grich & Bob McKittrick
Special Education	Amy Born
Technology Ed.	Scott Phillips
Visual Arts	Clint Johnson
World Languages	Luisa Reina

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PARKWAY
SCHOOLS

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NORTH
HIGH SCHOOL

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ACTIVITIES/ATHLETIC DIRECTOR

January 2021

Dear Students and Parents,

The curriculum at North High is rich, challenging, and relative to our students. The courses listed in this guide are the basis of all that we do here at North. I hope you will take time to read each description carefully in order to select courses that match your interests and challenge you academically. At the same time, you need to know which courses are required for graduation.

Prior to selecting courses for the coming school year, you will want to put together a four-year plan or review yours if you created one in the past. In order to take all the courses you want and meet the requirements for graduation, you need to look at the 'big picture' in addition to simply selecting courses for one year at a time. I would encourage you to have your parent(s), counselor, grade level principal, and your academic lab teacher look over your four-year plan. Also, be sure to ask your current teachers for their recommendations about which courses to take in the future. There are many people who can talk with you about which courses to select; ultimately, it's up to you to make the final decision.

Students are required to earn credits in communication arts, math, science, social studies, practical arts and fine arts, as well as health, physical education and personal finance. The total number of credits required for graduation is 24. These state graduation requirements make it even more important for students to create a four-year plan and carefully select courses that are appropriate for them.

After all of you have selected your courses, we set out creating a master schedule for the whole school and deciding what courses we will offer each semester. That is how we determine how many teachers we need to have teaching each course. It is a very complex process which begins with you! Once we create the master schedule, it is difficult to make changes to schedules so I encourage you to think carefully about the courses you select.

I know we have wonderful courses and exceptional teachers. You will get out of high school what you put into it. I want every student to be as successful as possible and to push himself or herself to the next level of academic achievement. Have fun reading through this guide and let us know how we can help you.

Sincerely,

Tori Cain

The mission of Parkway North High School is to develop self-directed, creative, critical thinkers who are socially responsible people prepared for an ever-changing world.

REGISTRATION PROCESS 2021 - 2022

- Tuesday, January 26** Curriculum Evening
6:00 pm (incoming freshmen meeting – virtual)
7:00 pm (curriculum fair will be available online)
- Tuesday, February 2** First Day to enter Course Requests in Infinite Campus
Registration materials (*Course Guide, Unofficial Transcript, and Official Electronic Course Request Form*) will be shared electronically to NHS students
- Friday, February 5** Last day to enter Course Requests in Infinite Campus (portal closes)
Final day to submit Official Electronic Course Request Form

STUDENT ROLE	PARENT ROLE
<ul style="list-style-type: none"> ✓ Discuss with family members course selections and personal goals ✓ Discuss with faculty members and counselors post-secondary plans ✓ Review the course guide ✓ Review IC access information ✓ Select electives and four alternate courses in order of preference ✓ Verify that all your graduation requirements are being satisfied 	<ul style="list-style-type: none"> ✓ Discuss with the student course selections and personal goals ✓ Assist the student in formulating or reviewing personal plan of study ✓ Review the curriculum course guide for required credits toward graduation ✓ Research information on course selection for post-secondary plan ✓ Approach teachers and counselors with academic concerns and questions about course selections ✓ Assist with your student's on-line registration
TEACHER ROLE	COUNSELOR ROLE
<ul style="list-style-type: none"> ✓ Review the contents of course guide ✓ Review graduation requirements ✓ Facilitate on-line access to IC for registration ✓ Verify student course requests are entered ✓ Verify students' alternate courses are entered 	<ul style="list-style-type: none"> ✓ Review the contents of course guide ✓ Available to discuss with students the selection of courses as needed ✓ Review each student's transcript and current schedule ✓ Discuss students' options for future plans as they relate to high school academics & post-secondary options ✓ Verify graduation requirements are being met ✓ Conference with students & families to provide information about schedule concerns as needed

COUNSELING SERVICES

Students are encouraged to become acquainted with their counselor. The more a counselor knows a student, the more helpful he/she can be. Time to see your counselor can be arranged by asking the Guidance secretary to make an appointment. Counselors help students in many different ways.

Counselors can:

- Discuss, confidentially, any personal problems and help students identify possible solutions.
- Consult with teachers and parents regarding students when they are having difficulties with academic progress.
- Help students explore career interests and investigate job opportunities.
- Help students understand the results of standardized tests.
- Help students prepare for transition to college and/or post-secondary options.
- Review course selections to ensure all requirements for graduation have been included.
- Help select courses that meet educational and career objectives.

Any course that carries a weighted grade is so designated. All honor courses are designated with the word (Honors) following the course title and/or with a (+) symbol on the transcript. Selected courses offer an honors option, yet are not honors courses. This means, for the exceptional student, an H grade is possible through contracting. In the Course Guide, these courses are designated by "Honors Option" following the course title.

Many students are concerned about the number of honors courses to be taken, as well as planning for elective classes. Students should obtain departmental information and course descriptions in order to choose the appropriate classes. Students who have been recommended for honors courses in all core areas should consider whether this is the best option. Due to the amount of work to be completed and the pace the curriculum is covered, students should carefully weigh the number of honors courses chosen. Consideration should be given to the amount of time spent at sports, music, drama or other after school commitments.

<u>GRADING SYSTEM</u>		
	<u>Regular</u>	<u>Honors</u>
H		5.0
A	4.0	4.5
B	3.0	3.5
C	2.0	2.5
D	1.0	1.5
F	0	0
The high school has a weighed grading system		

SCHEDULE CHANGE PROCESS

Recommended Courses of Study

Several departments at North High follow a recommended course of study. These recommendations provide a tiered framework for development of instruction and concepts. While there may be special situations or circumstances that would suggest deviations from these recommendations, students and parents should consult with their North High guidance counselor and relevant department leader(s) before requesting deviation from these recommendations.

Prerequisites

Certain courses have prerequisites that must be fulfilled for a student to request course properly. The prerequisite courses include skills that must be mastered in order to be successful in subsequent courses. Prerequisites vary from course to course. As you select courses, you will want to consult the course descriptions found in the course guide. Please note that students who have earned a "D" in a prerequisite course will likely struggle in subsequent course work.

Parent-Initiated Placement

If a student believes his or her best interest will be served by varying from the recommended courses of study, he or she should consult their parents and complete the Parent-Initiated Placement form, which is available at www.parkwayschools.net/domain/926. Once submitted, you will be contacted whether or not it is approved. Decisions regarding approval are based upon class size and availability. *If a Parent-Initiated Placement is approved and student's schedule is changed, the student will remain in the course for one semester.*

Schedule Change Guidelines

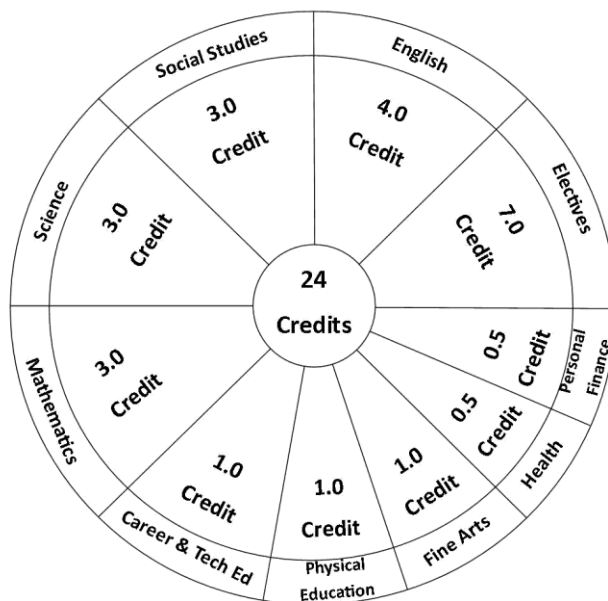
Students may request a change to their schedule to one of the Alternate Courses listed by the student in Infinite campus for the following reasons:

1. **Error:** If the course number has been incorrectly placed in the computer, the Official Course Request form will serve as a reference for substituting the correct course.
2. **Prerequisite Courses Not Met:** Many courses require a prerequisite. If a student has not met the necessary prerequisite, a new course will be substituted.
3. **Duplicate Credit: Most courses may not be repeated for credit.** A schedule change will be made if the student has requested a course for which they already received credit.
4. **Increased Rigor in Schedule:** A student requesting a schedule change to a more challenging course will be honored, provided space is available.

Requests to change teachers, class period(s) or semesters will not be honored.

Students should carefully consider course selections for the next school year. Student course requests provide input for creating the master schedule and determining teacher assignments. Avoiding class overloads and maintaining class balances are of primary importance once the master schedule has been established. *The schedule change guidelines above will be strictly enforced.*

PARKWAY GRADUATION REQUIREMENTS



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

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

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

GENERAL INFORMATION

The following terms and definitions may be helpful to students and parents:

- **Semester** – half school year, consists of 18 weeks.
- **Credit** – A full unit is awarded for a course that meets for two consecutive semesters (year). A course that meets for one semester yields ½ credit. Grades must be “D” or above to receive credit.
- **Cumulative Grade Point Average (GPA)** – The cumulative GPA is obtained by dividing the total grade points earned by the total credits attempted for a grade of A, B,C or D.
- **Prerequisite** – A requirement that must be met for eligibility to take a subsequent course. (Algebra I is the prerequisite for Geometry.)
- **Vocational – Technical Opportunities**
 - In a vocational work-study program, available to seniors, participants combine classroom instruction with on-the-job experience. For specific information regarding the Cooperative Education Program, contact the Business Department Team Leader. More than thirty-five career programs are available through the Vocational/Technical
 - High Schools operated by the Special School District. Most are two years in duration and students must attend either half-day or full-time. Transportation is provided by the Special School by the Special School District. Each program has its specific requirements. Applications must be completed and submitted.

PARKWAY GRADUATION REQUIREMENT WORKSHEET

Write the names of specific courses you have completed in the empty boxes

This is a graphic record of your progress toward graduation. Shade in the appropriate box for each semester course you have taken and for which you have received credit. The unshaded boxes which remain are the courses you need to complete the requirements for graduation.

In order to graduate, **24** full credits (or 48 semester courses) must be earned. The specific number of credits needed for each subject area is indicated below the appropriate column.

			English III				
*Government			English III				
World Hist.			English II				
World Hist.			English II				
Modern US Hist.			English I				Health
Modern US Hist.			English I			Personal Finance	P.E. Concepts
Soc. Stud.	Math	Science	Eng. Lang. Arts	Electives	Fine Arts	Career & Tech. Ed.	Phys. Ed.
6 = 3 units	6 = 3 units	6 = 3 units	8 = 4 units	14 = 7 units	2 = 1 units	3 = 1.5 units	3 = 1.5 units

*You must also pass the Missouri and US Constitution tests AND the Missouri Civics Exam in order to graduate:

- Missouri Constitution
- US Constitution
- Missouri Civics Exam

1.5 units taken in the following areas will satisfy the Career & Tech. Ed. Requirement:

- Business Education
- Cooperative Education
- FACS
- Technical Education

1 unit taken in the following areas will satisfy the Fine Arts requirement:

- Art (Visual Arts)
- Music
- Theatre Arts

PARKWAY FOUR- YEAR PLAN

Name _____

Student # _____

EOC Tests <input type="checkbox"/> Algebra 1 <input type="checkbox"/> Biology <input type="checkbox"/> English 2 <input type="checkbox"/> Government	Parkway Graduation Requirements *24 TOTAL CREDITS		Recommended College Requirements	Recommended Tests <input type="checkbox"/> PSAT <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other _____
Constitution Tests <input type="checkbox"/> Missouri Constitution <input type="checkbox"/> United States Constitution <input type="checkbox"/> Missouri Civics Exam	English (4) History (3) Mathematics (3) Science (3) *Fine Arts (1)	*Career and Tech (1) *Physical Ed. (1) *Health (0.5) *Personal Finance (0.5) Electives (7)	English (4) History (3-4) Mathematics (4) Science (3-4) Modern Classical Languages (2-4)	

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
English	English 1	English 1	English 2	English 2	English 3	English 3		
Social Studies	Modern US History	Modern US History	World History	World History	US Government			
Math								
Science	Biology	Biology						
Requirements <small>1st or 2nd semester</small>	PE Concepts		Health			Personal Finance		
Fine Art <small>1 credit required</small>								
Career & Tech <small>1 credit required</small>								
Additional Credits								

COLLEGE & CAREER INFORMATION

NAVIANCE

Students and parents will have access to a career and college readiness tool called Naviance. Naviance serves as a college and career readiness platform that helps students connect their academic achievement to post-secondary goals. The path to college and career readiness begins with self-discovery. Through self-discovery and collaboration with parents, teachers, and school counselors, Naviance enables students to find college and career pathways that are right for them. Naviance helps students explore their strengths and areas of interest, and matches those skills with college and career options.

Students start their career and college exploration by:

- Setting personalized goals
- Assessing personal strengths
- Exploring career options based on interests
- Searching for colleges
- Applying for scholarships
- Requesting transcripts and recommendation letters
- And, tracking their admissions status

NCAA GUIDELINES

The NCAA has established a central clearinghouse to determine initial eligibility for Divisions I and II student athletes. The NAIA also has an eligibility center for this purpose. **All** student athletes need to visit these websites about initial eligibility requirements PRIOR TO JUNIOR YEAR. We also ask that you know these requisite items (16 core specific courses for Division I and Division II) when signing up for classes and that you mention them to your counselor in any conversations pertaining to course selection. Students may register online at www.eligibilitycenter.org.



COLLEGE ENTRANCE

For students who wish to enter a college after graduation, it is important to plan toward this goal. College entrance requirements and course recommendations should be followed as much as possible. Graduation from high school does not ensure that a student has completed all courses necessary for college entrance. Each college has its own requirements. Counselors are available to help you plan your program and achieve your goals.

TYPICAL COLLEGE ADMISSIONS PATTERNS	RECOMMENDED HIGH SCHOOL UNITS
Highly Selective (Harvard, Yale, Brown, U of Chicago, Washington University)	English 4 Foreign Languages 1-3 Math 4 Science 4 Social Studies 4
Selective (Loyola, Truman, Clark Atlanta, Purdue)	English 4 Foreign Languages 1-3 Math 4 Science 3-4 Social Studies 3-4
Traditional (Mizzou, UMSL, LSU, Lindenwood, TSU)	English 4 Foreign Languages 1-3 Math 3-4 Science 3-4 Social Studies 3
Community College/Vocational-Trade School (STLCC, SCC, State Tech)	English 4 Math 3 Science 3 Social Studies 3

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.

Student Eligibility:

- 1) Be a U.S. citizen or permanent resident (verification takes place at the college/university level).
- 2) Attend an A+ high school for two years prior to graduation.
- 3) Graduate from an A+ designated high school with an overall unweighted grade point average of a 2.5 or higher on a 4.0 scale.
- 4) Maintain a 95% high school attendance record for the 4 year period (attendance is not rounded up).
- 5) Perform 50 documented hours of unpaid tutoring or mentoring (25 must be on Parkway property, with Parkway students, supervised by a Parkway staff member). Hours must be submitted by May 1st of the student's graduation year.
 - a. 0-25 hours may be community service through a non-profit organization
 - b. 0-12.5 hours may be job shadowing
- 6) Maintain a record of good citizenship and avoid the unlawful use of drugs and/or alcohol.
- 7) Make a documented good faith effort to secure federal post-secondary student financial assistance funds during the last semester of the senior year so as to obtain the A+ financial incentive (FAFSA).
- 8) Register for Selective Service, if applicable (as required by law).
- 9) Achieve score of proficient or advanced on the official Algebra I end of course exam or a DESE approved end-of-course exam in the field of mathematics.
- 10) To retain this eligibility after high school graduation, I understand that I 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 institutions 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 are contingent upon legislative approval. Students must sign up for the A+ Schools Program no later than February 1st of their senior year and complete all requirements no later than May 1st.**

**If you have any questions about the A+ Program, please contact Katie Meyer at kmeyer5@parkwayschools.net For additional information, visit our A+ link on the NHS counseling website.

COURSE OFFERINGS FOR PARKWAY NORTH HIGH SCHOOL 2021 - 2022

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

Note: "AP" refers to "Advanced Placement" courses for which students may opt to pay a nominal fee to attempt to test out of these courses in colleges that accept AP credit (see page 80).

Indicates course is **not approved by the NCAA Clearinghouse*

ART (Visual Arts)

The Art Department offers a comprehensive variety of courses which are designed to enhance the individual artistic abilities of all students. The process of communication is based largely on the written word and vision. Visual communication cannot effectively take place unless one has learned the language of visual art.

DRAWING I and DESIGN ARTS will serve as an introductory prerequisite for most other studio art classes. DRAWING I teaches skill development and how to see and understand visual form. DESIGN ARTS develops compositional skills through the study of the elements and principles of design. DIGITAL DESIGN may be taken as an introductory class for all but DRAWING 2, PAINTING or AP DRAWING. The Art Department reserves the right to select art work for exhibition throughout the year.

At least one art course should be an essential part of every student's basic education.

VISUAL ARTS SEQUENCE		
	<i>APPRECIATION</i>	<i>CAREER INTEREST</i>
INTRODUCTORY	Design Arts Drawing Digital Design	Drawing (recommended) Design Arts Digital Design
INTERMEDIATE COURSES	Drawing 2 Ceramics Sculpture Photo Painting Digital Design 2	Drawing 2 (recommended) Painting Ceramics Sculpture Photo Digital Design 2
ADVANCED COURSES	AP Art History 1* AP Art History 2*	Ceramics 2 Photo 2 Photo 3 AP 2D Art & Design AP 3D Art & Design AP Drawing Art History 1 (Honors) Art History 2 (Honors)

**offered virtually 2022-2023*

027000
DESIGN ARTS

Grades: 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. Advanced credit or dual credit option available.

027100
DRAWING

Grades: 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.

027120
DRAWING 2

Grades: 9-12
½ Fine Arts credit
Prerequisite: Drawing

This course is for the student who loves to draw and wishes to pursue in-depth work with new and familiar techniques and materials. Color theory may be studied and used. Original ideas will be expressed through classroom assignments.

027200
CERAMICS

Grades: 9-12
½ Fine Arts credit
Prerequisite: Design Arts, Digital Design, Drawing, or Instructor Approval

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. Advanced credit or dual credit option available.

027220
CERAMICS 2

Grades: 10-12
½ Fine Arts credit
Prerequisite: Successful completion of Ceramics

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. Advanced credit or dual credit option available.

027240
SCULPTURE

Grades: 9-12
½ Fine Arts credit
Prerequisite: Digital Design, Drawing, Ceramics or Instructor Approval

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. Advanced credit or dual credit option available.

027500
PAINTING

Grades: 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.)

027300
PHOTOGRAPHY

Grades: 10-12

½ Fine Arts credit

Prerequisite: Design Arts, Digital Design 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 may be asked to purchase consumable supplies for this course.

This course is offered in virtual campus as Digital Photography.

027320
PHOTOGRAPHY 2

Grades: 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 may be asked to purchase consumable supplies for this course.

027330
PHOTOGRAPHY 3

Grades: 11-12

½ Fine Arts credit

Prerequisite: Photography and Photography 2 or Teacher Recommendation

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 may be asked to purchase consumable supplies for this course.

029831 & 029832
AP 2D ART & DESIGN

Grades: 11-12

1 Fine Arts credit

Prerequisite: Photo 1 & 2, or Digital Design 1 & 2 and one additional art class

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

029841 & 029842
AP 3D ART & DESIGN

Grades 11-12

½ Fine Arts credit

Prerequisite: Sculpture and 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. A weighted grade is given for this course.

027810
DIGITAL DESIGN

Grades: 9-12

½ Fine Arts credit

Prerequisite: None

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.

027820

DIGITAL DESIGN 2

Grades: 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.

029781 & 029782 (Year-long)

AP DRAWING

Grades: 11-12

1 Fine Arts credit

Prerequisite: Instructor Approval

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

BUSINESS & TECHNOLOGY EDUCATION

Business, Marketing, and Information Technology Career Pathways

BMIT Pathways	Accounting & Management	Digital Media	Information Technology	Marketing
Pathway Description	Accounting & Management focuses on the structure and language of the global business world. This pathway addresses the importance of finances, ethics, organizational relationships, and their critical impact to the success of a business.	Digital Media ignites passion for designing and producing content across media platforms and digital storytelling for the worldwide communications industry. This pathway merges the art and science of connecting with audiences by conveying messages that move people to action.	Information technology is a dynamic field driving innovation in the global market place. This pathway involves the design, development, support, and management of hardware, software, multimedia, and systems integration services and is a field that continues to have an extensive impact in all industries.	Marketing is the intersection of all business pathways and is crucial for optimizing success in a global marketplace. This pathway develops creativity, problem solving, and communication skills that allow businesses to establish authentic connections with their audiences.
High School Coursework	Intro to Business Personal Finance Microsoft Office Accounting 1 +Accounting 2 +Accounting 3 Business Management BMIT Internship Spark! Incubator	Intro to Computer Technologies Branding & Design Concepts Digital Animation Web Design Multimedia Advanced Digital Media Lab BMIT Internship Spark! Technology Solutions	Intro to Computer Technologies Video Game Design Intro to Computer Science AP Computer Science Principles Cybersecurity App Design & Development Web Design Advanced Digital Media Lab AP Computer Science BMIT Internship Spark! Technology Solutions	Intro to Business Branding & Design Concepts Marketing 1 Marketing 2 Business Management BMIT Internship Spark! Incubator

037010**INTRODUCTION TO COMPUTER TECHNOLOGIES**

Grades: 9-12

½ CTE 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 the use of computers as tools for creativity, communications and organizing information. Students will learn about online tools, word processing and spreadsheet software, as well as publishing and presentation software. Students will learn how to use computers flexibly, creatively and purposefully. All learners will be able to recognize what they need to accomplish and determine how they can utilize their digital literacy skills and knowledge to best approach the task. *(Introduction to Computer Technologies is the recommended beginning course for the Information Technology and Digital Media strands.)*

037100**PERSONAL FINANCE**

Grades: 10-12

½ Personal Finance credit

Prerequisite: None

Understanding and managing personal finances are key to one's 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.

037270**MICROSOFT OFFICE**

Grades: 9-12

½ CTE credit

Prerequisite: It is recommended that students be able to type at least 30 words per minute without looking at their hands or have successfully completed any of the following courses: Introduction to Computer Technologies or Keyboarding.

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 available through an articulation agreement with St. Louis Community College.

037280**BRANDING & DESIGN CONCEPTS**

Grades: 9-12

½ CTE credit

Prerequisite: It is recommended that students complete Introduction to Computer Technologies, Web Design or MS Office

Students will create a variety of documents using industry standard software, graphic elements, and effective design principles. This course will assist students in producing documents that communicate effectively using the skills to apply good design. Students will learn how to produce and print personal and professional publications using industry standard software. It is highly recommended that students have taken Introduction to Computer Technologies, Web Design, or Microsoft Office and have prior computer knowledge such as opening and saving files, file management, word processing software, and keyboarding.

037350

INTRODUCTION TO BUSINESS

Grades: 9-10

½ CTE 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, presentations, and project management students are made aware of the integral role that they play in today's ever-changing global economy. The units presented are economics, entrepreneurship, marketing, and international business. The experiences students gain in this course will help them to succeed in future personal and business endeavors.

037111 & 037112 (Year-long)

ACCOUNTING 1

Grades: 10-12

1 CTE credit

Prerequisite: Sophomore, Junior or Senior standing

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. Senior students may also participate in the Business Internship Program.

038121 & 038122 (Year-long)

ACCOUNTING 2 (HONORS)

Grades: 11-12

1 CTE 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 (weighted) grade may be earned and senior students may also participate in the Business Internship Program. A weighted grade is given for this course.

037550

BUSINESS MANAGEMENT

Grades: 11-12

½ CTE credit

Prerequisite: Junior or Senior standing

This course provides an overall perspective of the organizational structure of a business and laws that apply. Topics include human resources management, business ethics, employee relationships, management techniques, forms of business ownership, and the legal aspects of each. This is an excellent college preparatory course for the business-oriented student.

037570

WEB DESIGN

Grades: 9-12

½ CTE credit

Prerequisite: None

Web Design 1 provides the student with a solid knowledge base to design, build, manage and publish dynamic content for the web. This course focuses on the overall production process with particular emphasis on design elements involving layout, navigation and interactivity. The students will create web pages that effectively communicate a message to a variety of audiences. Prior computer experience is recommended.

037590

MULTIMEDIA

Grades: 9-12

½ CTE credit

Prerequisite: It is recommended that students complete Introduction to Computer Technologies.

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.

037500

ADVANCED DIGITAL MEDIA LAB (Web Design 2, Multimedia, Digital Animation 2)

Grades: 9-12

½ CTE credit

Prerequisite: Branding & Design Concepts, Digital Animation, Multimedia, or Web Design

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

037490

DIGITAL ANIMATION

Grades: 10-12

½ CTE credit

Prerequisite: Sophomore, Junior or Senior standing

In this course, students will use software to develop rich media content utilizing vector graphics and animation. Students will learn to develop storyboards, create and manipulate graphics and text, develop animation using the timeline, and create interactive elements using Actionscript 3.0. This course gives students a competitive edge in today's technologically driven society as they acquire skills using the leading industry software. Upon completion of this course, students are eligible to become Adobe Certified in Flash.

037701 & 037702 (Year-long)

BUSINESS, MARKETING AND INFORMATION TECHNOLOGY INTERNSHIP

Grades: 11-12

½ CTE credit per semester (10 work hours per week)

1 CTE credit per semester (20+ work hours per week)

Exceptions occur. See coordinator for special circumstances.

Prerequisite: Junior or Senior standing. Must be able to provide own transportation. Students must complete an application and should have successfully completed one credit within business, marketing or information technology course. It is suggested that students concurrently enroll in a business, marketing or information technology course.

This business, marketing and information technology internship opportunity is an agreement 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.

037310

INTRODUCTION TO COMPUTER SCIENCE

Grades: 10-12

½ CTE 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 the use of computers as tools for creativity, communications and organizing information. Students will learn about online tools, word processing and spreadsheet software, as well as publishing and presentation software. Students will learn how to use computers flexibly, creatively and purposefully. All learners will be able to recognize what they need to accomplish and determine how they can utilize their digital literacy skills and knowledge to best approach the task.

039321 & 039322 (Year-long)

AP COMPUTER SCIENCE

Grades: 11-12

1 CTE 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 College Board Advanced Placement Computer Science A examination. A weighted grade is given for this course.

039251 & 039252 (Year-long)

AP COMPUTER SCIENCE PRINCIPLES

Grades: 11-12

1 CTE credit

Prerequisite: None

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

047751 & 047752 (Year-long)

MARKETING 1

Grades: 10-12

1 CTE 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. Course work includes individual and group projects, guest speakers, field trips, leadership activities, business, and community involvement.

047761 & 047762 (Year-long)

MARKETING 2

Grades: 11-12

1 CTE credit

Prerequisite: Marketing 1 or Instructor Approval

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.

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. For more information on Choice Programs visit <https://www.parkwayschools.net/Page/3036>



SCAN ME

spark!

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



SCAN ME

207491 & 207492 (Year-long)

SPARK! Bioscience

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

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

207431 & 207432 (Year-long)

SPARK! ENGINEERING

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

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

207461 & 207462 (Year-long)**SPARK! INCUBATOR**

Grades: 11-12

2 Electives 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.

207441 & 207442 (Year-long)**SPARK! PRE-PROFESSIONAL HEALTH SCIENCES ACADEMY**

Grade: 12

2 Electives credits

Prerequisite: Senior standing

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

207541 & 207542 (Year-long)**SPARK! SPORTS MEDICINE**

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

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

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

207471 & 207472 (Year-long)**SPARK! TEACHING & LEARNING**

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

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

207401 & 207402 (Year-long)
SPARK! TECHNOLOGY SOLUTIONS
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.

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. Attending Fern Ridge is a privilege and space is limited to 110 students. Applications and additional information about the program are located at <https://www.parkwayschools.net/Domain/32>.



early college

In partnership with St. Louis Community College at Wildwood and the Rockwood School District

What is the Parkway Early College Partnership?

The Early College Partnership (ECP) is a full-immersion, early entrance to college program located on the campus of St. Louis Community College (STLCC) at Wildwood. Students attend the ECP for two years, replacing the junior and senior years of traditional high school. While in the ECP, students engage in a curriculum consisting of all college coursework taught by professors at STLCC-Wildwood. Upon successful completion, students earn an Associate of Arts degree, as well as a high school diploma. Early College is open to rising juniors at all four Parkway high schools and will offer 15 seats for the 2021-2022 school year. Applications and additional information is available at: <https://sites.google.com/parkwayschools.net/parkwayecp/home>.



What resources are provided to students participating in the ECP?

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

Why should my son/daughter participate in the ECP?

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

What are the requirements for admissions into the ECP?

- Students must currently be in 10th grade
- Students must complete the [online Parkway Early College Partnership application](https://sites.google.com/parkwayschools.net/parkwayecp/home) available at <https://sites.google.com/parkwayschools.net/parkwayecp/home>.
- Students are responsible for their own transportation to and from STLCC-Wildwood.

How are students selected for ECP?

A committee of administrators and counselors will review:

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

What is the deadline for applying to the ECP?

The online application must be submitted by January 31, 2021. Supporting paperwork (Expectations and Responsibilities Signature Page) must be submitted by February 15, 2021. Students will be informed of acceptance to the program by March 15, 2021. All accepted students will attend an orientation at STLCC-Wildwood in the spring.

What calendar will my child follow?

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

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

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

Can my child participate in extra-curricular activities at his/her high school?

Yes, students may return to their home high school for extra-curricular activities and sports.

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

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

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

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

Students who are planning to attend a public, 4-year institution in Missouri will benefit from the CORE 42. The purpose of CORE 42 is to facilitate the seamless transfer of academic credits. The completion of CORE 42 at any public institution of higher

education will transfer to every other public institution of higher education in the state and substitute for the receiving institution's general education requirement.

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

Who pays for the ECP?

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

How will students receive high school credit?

All STLCC grades will be posted on the Parkway Schools transcript and will count towards graduation.

ENGLISH LANGUAGE ARTS

Required English Language Arts Credits: 4.0 credits

SUGGESTED PROGRAM OF STUDY 9TH-11TH GRADES

9 th Grade	10 th Grade	11 th Grade
<ul style="list-style-type: none"> • English 1 <li style="text-align: center;">OR • Honors English 1* 	<ul style="list-style-type: none"> • English 2 <li style="text-align: center;">OR • Honors English 2* 	<ul style="list-style-type: none"> • English 3 <li style="text-align: center;">OR • AP Language and Composition

NOTE: All Honors Courses require summer assignments—letter can be obtained from your guidance counselor, your English teacher, or the school webpage.

SUGGESTED PROGRAM OF STUDY 12TH GRADE

	Core Courses	Honors Courses	English Electives (English credit offered)
Semester 1	English 4A	AP Literature and Composition 1*	<ul style="list-style-type: none"> • Creative Writing: Short Story or Poetry • Masterpieces 1 • Comparative Mythology* • Creative Writing Nonfiction (must be enrolled in upper level journalism class) • Film and Composition
Semester 2	English 4B	AP Literature and Composition 2	<ul style="list-style-type: none"> • Creative Writing: Poetry or Short Story • Masterpieces 2 • Comparative Mythology • Creative Writing Nonfiction (must be enrolled in upper level journalism class) • Film and Composition • Intro to College Writing

NOTE: *Not all elective classes may be offered both semesters. You may not choose which semester you enroll in the course.*

*Comparative Mythology can also be taken virtually.

ENGLISH LANGUAGE ARTS ELECTIVES

	9 th	10 th	11 th	12 th
Creative Writing: Short Story			X ♦	X
Creative Writing: Poetry			X ♦	X
Masterpieces 1 and 2				X
Comparative Mythology			X ♦	X
Creative Writing Nonfiction (must be enrolled in upper level journalism class)			X ♦	X
Film and Composition			X ♦	X
Introduction to College Writing (needs recommendation from department)				X

♦ Must be concurrently enrolled in English 1 in 9th grade, English 2 in 10th grade, or English 3 in 11th grade

057011 & 057012 (Year-long)**ENGLISH 1**

Grade: 9

1 English credit

Prerequisite: None

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

058011 & 058012 (Year-long)**HONORS ENGLISH 1**

Grade: 9

1 English credit

Prerequisite: Department Approval

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

057021 & 057022 (Year-long)**ENGLISH 2**

Grade: 10

1 English credit

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

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

058021 & 058022 (Year-long)**HONORS ENGLISH 2**

Grade: 10

1 English credit

Prerequisite: English 1 and Department Approval

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

057031 & 057032 (Year-long)**ENGLISH 3**

Grade: 11

1 English credit

Prerequisite: English 2

In this course, students will read and study literature that represents ideologies, institutions, and changes in American identity for different people and voices over time. Genres will include humor and satire, the essay, classic fiction, poetry, short story, performance literature, nonfiction, and novels. Students approach texts as readers, researchers, and writers, continuing to increase their stamina as a reader and the complexity of the texts with which they engage. Goals also include making connections between history, culture, institutions, ideologies, and literary movements. As writers, students continue to improve their independent writing craft with authentic writing tasks in creative writing, academic writing, research, and digital composition.

057120**INTRODUCTION TO COLLEGE WRITING**

Grade: 12

½ English credit

Prerequisite: Department approval

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.

057160**CREATIVE WRITING: POETRY**

Grades: 11-12

½ English credit

Prerequisite: Senior standing or 11th grade if concurrently enrolled in another English class, or permission of instructor. May not be substituted for English 1, 2, or 3.

This course involves both study of poetry and individual creative efforts. Examples of poetry and criticism are predominately contemporary, but students do explore some classics. Oral interpretation of poetry is emphasized, and students also pursue, in-depth, the works of a single poet. This study helps develop standards by which to improve student writing.

057180**CREATIVE WRITING: SHORT STORY**

Grades: 11-12

½ English credit

Prerequisite: Senior standing or 11th grade if concurrently enrolled in another English class, or permission of instructor. May not be substituted for English 1, 2, or 3.

This course is designed to give students an opportunity to study the short story in-depth: its structure, elements, and various forms and styles. A variety of short stories will be examined, and students are expected to become both competent readers of the short stories of others and competent writers of their own short fiction. As fiction writing is a craft, revision and editing are emphasized.

057361**ENGLISH 4A**

Grade: 12

½ English Credit

Prerequisite: Students must have passed at least five previous semesters of English.

Students may take 4A or 4B or both 4A and 4B.

The essential questions for this course are: "How can the human spirit manage to triumph?" and "How is writing a means of discovering?" This course is a college preparatory course designed to increase student understanding and appreciation of challenging literature and to improve student written and oral communication skills. The course provides excellent preparation for a wide range of academic arenas as well as an opportunity to develop life-long literacy skills and literary appreciation. English 4A traces the beginnings of English literature and focuses on pieces through the 1800's including Beowulf, Chaucer's Canterbury Tales, and Shakespeare's Hamlet. The class includes other key and supplementary pieces by authors of various backgrounds, styles, and interests. Reading, writing, and communication skills are all stressed.

057372

ENGLISH 4B

Grade: 12

½ English Credit

Prerequisite: Students must have passed at least five previous semesters of English.

Students may take 4A or 4B or both 4A and 4B.

This course is a college preparatory course designed to increase student understanding and appreciation of challenging literature and to improve student written and oral communication skills. The course provides excellent preparation for a wide range of academic arenas as well as an opportunity to develop life-long literacy skills and literary appreciation. Students may take one or both semesters of this course.

057540

COMPARATIVE MYTHOLOGY

Grades: 11 -12

½ English credit

Prerequisite: Senior standing or 11th grade if concurrently enrolled in another English class, or permission of instructor. May not be substituted for English 1, 2, or 3.

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.

057400

FILM AND COMPOSITION

Grades: 11-12

½ English credit

Prerequisite: Senior standing or 11th grade if concurrently enrolled in another English class, or permission of instructor. May not be substituted for English 1, 2, or 3.

In this class, students will be asked to engage in a critical study of film, focusing on the technical aspects of filmmaking and analytical approaches to cinema. Students will form an aesthetic appreciation for film, an understanding of the techniques/practices employed by filmmakers, and a brief understanding of film history. Aside from enhancing the visual literacy skills of the students, this course is designed to support and improve the writing and speaking skills learned in 9th, 10th and 11th grade.

057560

MASTERPIECES 1

Grade: 12

½ English credit

Prerequisite: Successful completion of 3 credits of English.

This course is offered to seniors only as a college-preparatory humanities course rather than a traditional English class. Masterpieces 1 is an overview of great moments in Western culture: the Hebrews, the Greeks, the Romans, and the northern literary Renaissance. The literature and history of these periods are the basis for approximately half the course; the remaining time is given to the study of the arts from these periods: architecture, sculpture, music, painting, and pottery. The major readings include Homer, Aeschylus, Virgil, and Shakespeare. Evaluation is based on a variety of activities: Socratic seminars, group work, quizzes, essays, oral presentations, projects and visits to local cultural sites. Although Masterpieces 1 and 2 are continuous in their overview of the periods, each course may be taken separately.

057570

MASTERPIECES 2

Grade: 12

½ English credit

Prerequisite: Successful completion of 3 credits of English

This course is offered to seniors only as a college-preparatory humanities course rather than a traditional English class. Masterpieces 2 continues with the Medieval and Renaissance periods and continues through the modern period. It includes a thorough overview of art history, political history and cultural history of great moments in Western culture. The major readings include Shakespeare, Dostoyevsky, Bronte, and Austen. Art which parallels these readings - poetry, stories, painting, music - will also be considered. Evaluation is based on a variety of activities: Socratic seminars, quizzes, group work, essays, oral presentations, projects, and visits to local cultural sites. Although Masterpieces 1 and 2 are continuous in their overview of the periods, each course may be taken separately.

059201 & 059202 (Year-long)
AP ENGLISH LANGUAGE AND COMPOSITION

Grade: 11-12

1 English credit

Prerequisite: English 1 & 2 (Honors Equivalent)

AP English Language & 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 & Composition course. This course prepares students for the AP English Language & Composition exam. Students have the option to earn college credit through the AP examination. A weighted grade is given for this course.

059041 & 059042
AP ENGLISH LITERATURE AND COMPOSITION

Grade: 12

1 English Credit

Prerequisite: English 1, 2 and 3 (Honors Equivalent)

Semester 1 – This college preparatory course includes a survey of the growth of the English language, a study of the English epic romances, poetry and riddles, and a review of the works of Chaucer. An in-depth study of a limited number of Shakespeare's works is undertaken. Elizabethan theater and general philosophical outlooks are also considered. Semester 2 – This capstone survey Honors English course is a survey of the masterpieces of European literature from the 17th century to the recent past, from the enlightenment to the heart of darkness. This course prepares students for the AP English Literature & Composition exam. Students have the option to earn college credit through the AP exam. Advanced credit or dual credit option is also available. A weighted grade is given.

SCHOOL PUBLICATIONS

057300 "not an NCAA "core course"
CONVERGENCE JOURNALISM 1

Grades: 9-11
½ Elective credit

Prerequisite: Freshman, Sophomore or Junior standing

Learn the roles and responsibilities journalists have when working in a multimedia newsroom. Student journalists will practice storytelling, photography, and design. See the program description for more information. Program description: Producing news across emerging and existing media platforms...social media, photography, broadcast, print, online. As a member of the production team, journalists will produce the student newspaper, yearbook, and other student news media. Being a student journalist gives students a voice and allows them to exercise their constitutional right of free speech. Student journalists learn critical thinking, researching, interviewing, writing, editing, and creating visuals while collaborating with other staffers to produce media for an audience. Student Journalists learn how a free and responsible press can improve their school communities by informing, entertaining, and influencing their audience. These courses will offer a competitive edge to students pursuing any career as it enhances communication, confidence, leadership and global awareness. Students have the opportunity to travel to local, state, and national conferences. Coursework includes individual and group projects, guest speakers, field trips, leadership activities and community involvement.

057350 "not an NCAA "core course"
PHOTOJOURNALISM

Grades: 10-12
½ CTE credit

Prerequisite: None

Students enrolled in the class have as their primary objective the task of providing coverage and subsequent photographs of all school events for the yearbook and newspaper. This includes assignments both during and after school. Instruction/practice in photography includes use of artificial lighting, skill development with basic camera operation and improving students' sense of photocomposition. During processing, instruction will pertain to composing the photos, manipulating the photos using Photoshop, writing captions for the photos, and troubleshooting problems related to the photos. Although not a requirement, it would be helpful for students to have their own digital cameras.

057311 & 057312 (Year-long)
NEWSPAPER 1

Grades: 9-12
1 CTE credit

Prerequisite: Convergence Journalism 1, Photojournalism or recommendation of English teacher after application by student

Following an initial training period, students enrolled in Newspaper I assist in the production of the school newspaper, which is issued every month. Staff members write news, features, sports and editorials and gain experience in designing pages, computer word processing, providing photographic coverage and selling ads. Students may join the class second semester after successfully completing Convergence Journalism 1.

057321 & 057322 (Year-long)
NEWSPAPER 2

Grades: 10-12
1 CTE credit

Prerequisite: Newspaper 1

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.

057331 & 057332 (Year-long)
NEWSPAPER 3 (HONORS OPTION)

Grades: 11-12
1 CTE credit

Prerequisite: Newspaper 2

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 career opportunities, 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.

**057341 & 057342 (Year-long)
NEWSPAPER 4 (HONORS OPTION)**

Grades: 12

1 CTE credit

Prerequisite: Newspaper 2 and 3

This is an advanced course for students who wish to continue their in-depth study of journalism. In addition to assuming editorial roles and mentoring new staff members, they will cover school board meetings and submit articles to local publications when appropriate. Students will explore new ideas for templates and possible changes in overall design of the publication as well as an in-depth study of national publications. Upon successful completion of additional expectations, an honors grade may be earned.

**057411 & 057412 (Year-long)
YEARBOOK 1**

Grades: 9-12

1 CTE credit

Prerequisite: Convergence Journalism 1, Photojournalism or recommendation of English teacher after application by student

This course continues to build upon the basics of journalism presented in Convergence Journalism 1. It expands to include more advanced study of design/layout and participation in production of the school yearbook and photography. Students begin the exploration of scholastic journalism and the law as well as current issues in scholastic and professional journalism. Students may join this course second semester after successful completion of any of the prerequisites.

**057421 & 057422 (Year-long)
YEARBOOK 2**

Grades: 10-12

1 CTE credit

Prerequisite: Yearbook 1

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.

**057431 & 057432 (Year-long)
YEARBOOK 3 (HONORS OPTION)**

Grades: 11-12

1 CTE credit

Prerequisite: Yearbook 2

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 career opportunities, journalism law and 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.

**057441 & 057442 (Year-long)
YEARBOOK 4 (HONORS OPTION)**

Grade: 12

1 CTE credit

Prerequisite: Yearbook 3

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 templates and possible changes in overall design of the publication as well as an in-depth study of national publications. Upon successful completion of additional expectations, an honors grade may be earned.

SPEECH & DEBATE

057630 PUBLIC SPEAKING

Grades: 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.

057700 BROADCAST & PRODUCTION

Grades: 9-12
½ Elective credit
Prerequisite: None

This single semester, project-based course provides students with the chance to better understand both on air and production aspects of entertainment, news and sports broadcasting. Students will work independently and collaboratively; be introduced to audio and video editing; and participate in real world application in the broadcasting world.

057650 ADVANCED BROADCAST & PRODUCTION

Grades: 10-12
½ Elective credit
Prerequisite: Broadcast & Production and Instructor approval

This project-focused course provides students with the chance to further explore both on air and production aspects of entertainment, news and sports broadcasting. Students will work independently and collaboratively; apply advanced audio and video editing techniques; and have the opportunity to produce content that will be shared with the public.

057660 DEBATE

Grades: 9-12
½ English credit
Prerequisite: None

Debate is designed to introduce the student with the procedures involved in a researched, structured verbal argument. The course centers on the current controversial issues. Organizational skills, as well as public speaking skills, are reinforced during the semester. In class debates put these skills into practice. This course may be taken for ½ an English credit, but may not replace English 1, 2, or 3.

057670 COMPETITIVE SPEECH & DEBATE

Grades: 10-12
½ Elective credit
Prerequisite: Debate

Competitive Speech & Debate is an in-depth study of presentation techniques, particularly those used in competitive speech and debate. Students will focus on a particular competitive aspect: Public Speaking, Debate, or Oral Interpretation. Close study of that event will hone competitive skills. Students will also be introduced to other arenas of debate competition to prepare for the Advanced Competitive Speech & Debate course. Speech and Debate team participation is a requirement of this course.

058620 offered 2022-2023 **ADVANCED COMPETITIVE SPEECH & DEBATE (HONORS OPTION)**

Grades: 11-12
½ Elective credit
Prerequisite: Competitive Speech & Debate and permission of instructor

Advanced Competitive Speech & Debate is an in-depth study of presentation techniques, particularly those used in competitive speech and debate. Students will focus on both a Debate and an Event (either Public Speaking or Oral Interpretation). They will study those events closely, hone their competitive skills, and work to share their knowledge with beginning members. Speech and Debate team participation is a requirement of this course.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES

052911 & 052912 (Year-long) HIGH SCHOOL ESOL LEVEL 1

Grades: 9-12
1 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.

052921 & 052922 (Year-long) HIGH SCHOOL ESOL LEVEL 2

Grades: 9-12
1 English credit
Prerequisite: Instructor approval

This course is designed for students who have limited 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. 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. English language learners who have an intermediate proficiency determined by WAPT/ACCESS scores and ESOL staff recommendation are eligible for this class.

052931 & 052932 (Year-long) HIGH SCHOOL ESOL LEVEL 3

Grades: 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. Placement in the class is determined by WAPT/ACCESS scores and ESOL staff recommendation.

052941 & 052942 (Year-long) HIGH SCHOOL ESOL LEVEL 4

Grades: 9-12
1 English credit
Prerequisite: Instructor approval

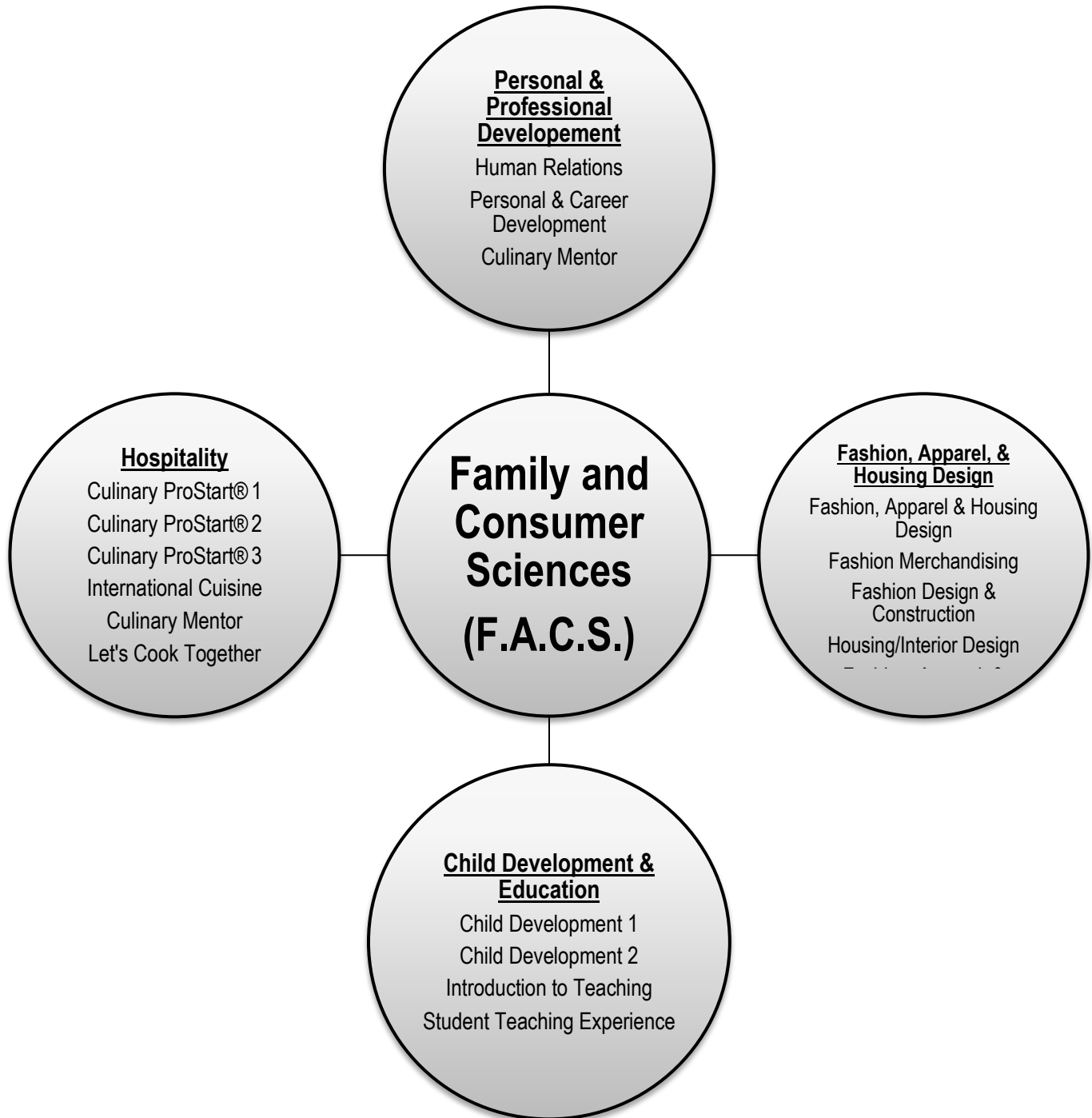
This class is for English Language learners who are progressing into advanced proficiency levels, and who still need to strengthen their skills. Student placement takes into consideration SRI scores, grades, teacher recommendation, WIDA ACCESS scores, WAPT, etc. Students considered for this class at North High will be in English Language Arts I classes in addition to this class. Emphasis is placed on grade-level reading and improving the writing process. The class works in tandem with content classes, and is reading, writing, and vocabulary intensive.

052951 & 052952 (Year-long) ESOL ESSENTIALS

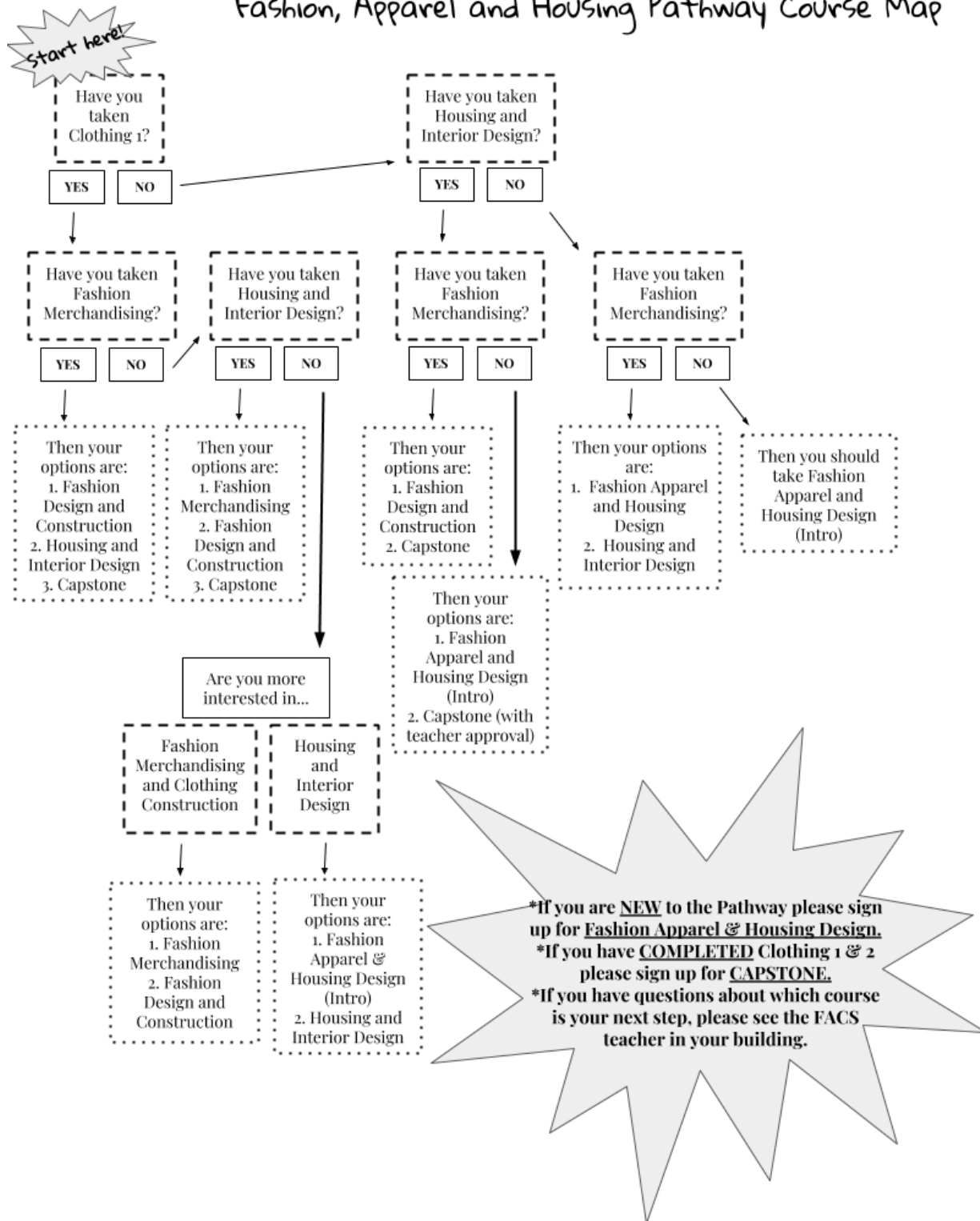
Grades: 9-12
1 English credit
Prerequisite: Instructor approval

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.

FAMILY & CONSUMER SCIENCES



Fashion, Apparel and Housing Pathway Course Map



095950

LET'S COOK TOGETHER

Grades: 9-12

½ CTE credit

Prerequisite: Department 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 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 10-12, to increase competency and enjoyment in cooking and nutrition.

097950

CULINARY MENTOR

Grades: 10-12

½ Elective credit

Prerequisite: ProStart 1 or International Cuisine

Culinary Mentor will give students the 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.

097010

CULINARY PROSTART 1

Grades: 9-12

½ CTE credit

Prerequisite: None

Culinary ProStart 1 provides an opportunity for the 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 this 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.

This class is offered in virtual campus as Intro to Culinary Hospitality.

097020

CULINARY PROSTART 2

Grades: 9-12

½ CTE credit

Prerequisite: Successful Completion of 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 guests, stocks, sauces, soups, fruits, vegetables, management essentials and building a successful career. The ProStart Program is a two-year industry-based program that prepares students for careers in the restaurant and food service industry.

This class is offered in virtual campus as St. Louis Food & Culture.

097051 & 097052 (Year-long)

CULINARY PROSTART 3

Grades: 10-12

1 CTE credit

Prerequisite: Successful Completion of 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 ProStart National Certificate of Achievement. Many college, university, foodservice and hospitality programs offer benefits to Culinary ProStart graduates.

097110

INTERNATIONAL CUISINE

Grades: 11-12

½ CTE 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.

097420
CHILD DEVELOPMENT 1

Grades: 9-12
½ CTE credit
Prerequisite: None

This course prepares the student to work with children. The first units of study include examining families and parenting styles, prenatal development, labor, birth, and delivery. Students will also learn about a child's growth and development during the newborn, infancy, toddler and preschool stages. Students will be given the opportunity to observe and interact with preschoolers through limited laboratory experiences. The unit of prenatal development includes conception, abstinence and contraception. Careers in the child development field will be discussed throughout the semester. Three hours of dual college credit at Webster University (for juniors and seniors only) and/or 3 articulated college credits for any student through STLCC are available to Child Development 1 & 2 students who maintains an A or B average in both courses.

097430
CHILD DEVELOPMENT 2

Grades: 9-12
½ CTE credit
Prerequisite: Successful Completion of Child Development 1

This second level course provides appreciation of advanced child development principles. Included in this course is the observation of children as well as the physical, mental, emotional, and social growth and development of early childhood through adolescence. Students will be able to plan developmentally appropriate activities, observe, and interact with the early childhood learning environments. The many career opportunities related to children are also studied. Three hours of dual college credit at Webster University (for juniors and seniors only) and/or 3 articulated college credits for any student through STLCC are available to Child Development 1 & 2 students who maintains an A or B average in both courses.

097560
INTRODUCTION TO TEACHING

offered 2022-2023

Grades: 10-12
½ CTE credit
Prerequisite: None

In this course, you will receive a general introduction to the area of education and teaching. Course topics include: learning styles, teaching methodologies, cultural responsiveness and a focus on data-driven decision making in the schooling system. This course focuses 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. This course is a pre-requisite for the Student Teaching Experience course where students will be observing, interacting and teaching in the classroom environment over a 12-week time period. Dual credit is available for this course through the University of Missouri-St. Louis. (Must complete both this and the Student Teaching Experience for dual credit).

097570
STUDENT TEACHING EXPERIENCE

offered 2022-2023

Grades: 10-12
½ CTE credit
Prerequisite: Introduction to Teaching

Student Teaching Experience is an advanced, curriculum-based, high school experience that allows the students to apply the skills learned in the previous prerequisite course, Introduction to Teaching. Participants can be placed in preschool, elementary, middle or high school classrooms, as well as in adult education training program such as those sponsored by business and community organizations. Students are required to provide their own transportation unless the cooperating school or practicum experience is within walking distance. Dual credit is available for this course through the University of Missouri-St. Louis.

097400

HUMAN RELATIONS

Grades: 9-12

½ CTE credit

Prerequisite: None

Human Relations will equip students to be confident and self-directed by developing an understanding of the person they are and the person they may become. Throughout this course, students will work through the decision and problem solving process in a variety of topics that will affect them personally and professionally. Students will singularly and collaboratively investigate their personal, social and civic values in order to set measureable goals. While working and living in a diverse community, students will learn to communicate clearly, effectively and with reason to represent their thoughts ideas and actions. Students will gain knowledge in making healthy sexual decisions that will affect them in all aspects of their lives. Delicate subjects such as love and dating, gender roles, abstinence, contraception, teen pregnancy/prevention; STDs, and sex in the media will be addressed. Students will gain the skills and knowledge to incorporate healthy coping mechanisms for stress/crisis situations that are inevitable in one's life.

097460

PERSONAL & CAREER DEVELOPMENT

Grades: 10-12

½ CTE credit

Prerequisite: None

FOCUS ON YOUR FUTURE is the target of this course in career development. This course will give you opportunities to investigate careers and provide a knowledge base from which to make your important career and educational decisions. This class will include practical experiences such as self-discovery of interests, skills, and career pathways through aptitude tests, as well as how to professionally interview and communicate, create a resume and professional portfolio, complete job and college applications, and explore careers through job shadowing experiences.

097240

FASHION APPAREL AND HOUSING DESIGN

Grades: 9-12

½ CTE credit

Prerequisite: None

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

097250

FASHION MERCHANDISING

Grades: 9-12

½ CTE 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.

097550

HOUSING & INTERIOR DESIGN

Grades: 9-12

½ CTE 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.

097280**FASHION DESIGN AND CONSTRUCTION**

Grades: 9-12

½ CTE credit

Prerequisite: Fashion, Apparel, and Housing Design

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

097270**FASHION, APPAREL, & HOUSING DESIGN CAPSTONE**

Grades: 10-12

½ CTE credit

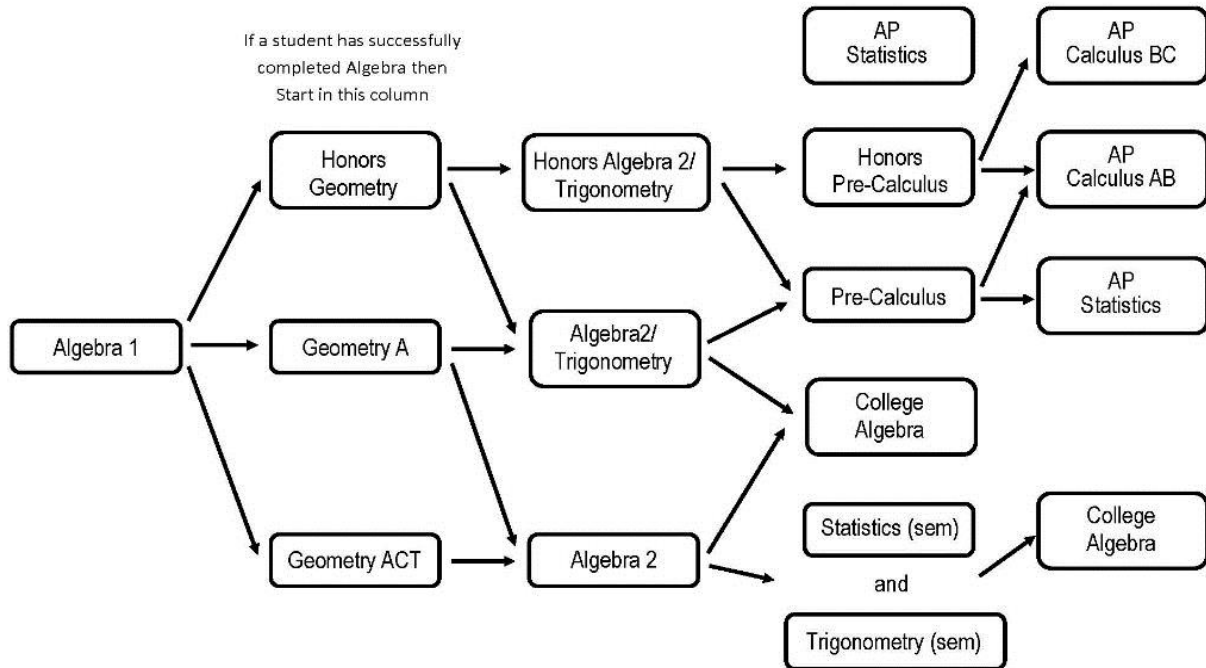
Prerequisite: 1.0 of FACS courses in Fashion, Apparel Housing Pathway

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 will have the opportunity to dive deep into 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 independent work, following directions and evaluating are crucial skills in this course which art, communication mathematics, science and technology are applied.

MATHEMATICS

The mathematics curriculum is divided into multiple programs. Students enroll in a particular program based on interest and ability. Students enter at the left of a program and move across the table each year. In order to provide flexibility, students may move to the next higher or next lower row as their interests shift or their abilities dictate.

The mathematics department suggests that students enrolled in courses Algebra 2/Trig and above purchase a graphing calculator for personal use. This tool assists greatly in learning mathematics and aids in the efficient completion of homework.



HONORS PROGRAM:

NOTE: A student who has no experience in an honors level math course or who has dropped out of the honors program may find AP Calculus AB and AP Calculus BC to be overwhelming. These advanced placement courses are highly-rigorous college level courses whose foundations are found within the entire honors program curriculum: Honors Geometry, Honors Algebra 2/Trigonometry and Honors Pre-Calculus.

MATH ELECTIVES:

- Introduction to Computer Science (10-12) (Math or Career & Tech Ed. Credit)
- AP Principles of Computer Science (10-12) (Math or Career & Tech Ed. Credit)
- AP Computer Science (Honors) (11-12) (Math or Career & Tech. Ed. Credit)
- AP Statistics (Honors) (11-12) (Math Credit)

HONORS:

This is the advanced placement strand. These courses are for highly capable mathematics students and carry weighted grades. The courses in this strand are: Honors Geometry, Honors Algebra 2 with Trigonometry, Honors Pre-Calculus, and AP Calculus AB or BC. Students successfully completing Algebra in the eighth grade have met the prerequisite for beginning this program.

COMPETITIVE COLLEGE PREPARATION:

This strand of courses will prepare students for future work in mathematics and the sciences. The major courses in this sequence are: Algebra 1, Geometry A, Algebra 2 with Trigonometry, College Algebra or Pre-Calculus.

117101 & 117102 (Year-long)**ALGEBRA 1**

Grades: 9-10

1 Math credit

Prerequisite: Mathematical 8

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

117201 & 117202 (Year-long)**GEOMETRY A**

Grades: 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.

118201 & 118202 (Year-long)**HONORS GEOMETRY**

Grades: 9-10

1 Math credit

Prerequisite: Algebra 1 (Grade 8) or Department approval

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. A weighted grade is given for this course.

117301 & 117302 (Year-long)**ALGEBRA 2**

Grades: 11-12

1 Math credit

Prerequisite: Geometry

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

117401 & 117402 (Year-long)**ALGEBRA 2 WITH TRIGONOMETRY**

Grades: 10-11

1 Math credit

Prerequisite: Geometry or Department approval

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. Purchase of a graphing calculator is strongly recommended.

118401 & 118402 (Year-long)**HONORS ALGEBRA 2 WITH TRIGONOMETRY**

Grades: 10-11

1 Math credit

Prerequisite: Honors Geometry or Department approval

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. A weighted grade is given for this course. Advanced credit or dual credit option available.

**117410
TRIGONOMETRY**

Grades: 10-12
½ Math credit
Prerequisite: Algebra 2

In this course, classical right triangle 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.

**117601 & 117602 (Year-long)
COLLEGE ALGEBRA**

Grades: 10-12
1 Math credit
Prerequisite: Algebra 2 with Trigonometry or Department approval

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. Advanced credit or dual credit option available.

**117701 & 117702 (Year-long)
PRE-CALCULUS**

Grades: 11-12
1 Math credit
Prerequisite: Algebra 2 with Trigonometry

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 may be offered for college credit through University of Missouri - St. Louis. Advanced credit or dual credit option available.

**118701 & 118702 (Year-long)
HONORS PRE-CALCULUS**

Grades: 11-12
1 Math credit
Prerequisite: Honors Algebra 2 with Trigonometry or Department approval

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 for this course.

**117900
STATISTICS**

Grades: 10-12
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.

**119801 & 119802 (Year-long)
AP CALCULUS AB**

Grade: 12
1 Math credit
Prerequisite: Honors Pre-Calculus or Pre-Calculus with Department approval

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 for this course. Advanced credit or dual credit option available.

119851 & 119852 (Year-long)**AP CALCULUS BC**

Grade: 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 for this course. Advanced credit or dual credit option available.

119901 & 119902 (Year-long)**AP STATISTICS**

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 for this course. Advanced credit or dual credit option available.

117310**INTRODUCTION TO COMPUTER SCIENCE**

Grades: 10-12

½ Math credit

Prerequisite: None

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. Students learn to develop real life applications that involve the prerequisite to the AP Computer Science course.

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

119321 & 119322 (Year-long)**AP COMPUTER SCIENCE**

Grades: 11-12

1 Math 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 examination. A weighted grade is given for this course.

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

119251 & 119252 (Year-long)
AP COMPUTER SCIENCE PRINCIPLES

Grades: 11-12

1 Math credit

Prerequisite: None

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

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

MUSIC

Students enrolling in Virtual Campus for the 2021-2022 school year will select band, choir and orchestra classes specific to Virtual Campus.

127001 & 127002 (Year-long)

CHORUS

Grades: 9-12

1 Fine Arts credit

Prerequisite: None

The Chorus is open to anyone who enjoys singing. No previous singing experience is required. The class enables you to improve your singing skills with emphasis on understanding and enjoyment of music. Various concerts are presented throughout the year. Attendance is required for all performances and special rehearsals. Uniform attire is required.

127041 & 127042 (Year-long)

CONCERT CHORALE

Grades: 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. Uniform attire is required.

127061 & 127062 (Year-long)

CHAMBER CHOIR

Grades: 9-10

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. Uniform attire is required.

127171 & 127172 (Year-long)

CONCERT CHOIR MIXED (HONORS OPTION)

Grades: 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. Uniform attire is required. An Honors grade may be earned.

127181 & 127182 (Year-long)

CONCERT CHOIR TREBLE (HONORS OPTION)

Grades: 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. Uniform attire is required. An Honors grade may be earned.

127411 & 127412 (Year-long)

CONCERT ORCHESTRA 1

Grade: 9

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.

127421 & 127422 (Year-long)

CONCERT ORCHESTRA 2

Grades: 10-12

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.

127441 & 127442 (Year-long)

SYMPHONIC ORCHESTRA (HONORS OPTION)

Grades: 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.

127511 & 127512 (Year-long)

CONCERT BAND

Grades: 9-12

1 Fine Arts credit

Prerequisite: Previous instrumental experience and consent of 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.

127521 & 127522 (Year-long)

offered 2022-2023

JAZZ BAND

Grades: 9-12

1 Fine Arts credit

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

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

127551 & 127552 (Year-long)**SYMPHONIC BAND PERCUSSION (HONORS OPTION)**

Grades: 9-12

1 Fine Arts credit

Prerequisite: Previous instrumental experience and consent of instructor. Audition is required.

Symphonic Band-Percussion consists of students who have achieved a high level of proficiency as performers on percussion instruments and are seeking many performance opportunities. Symphonic Percussion is designed for students who are willing to accept the responsibilities of participating in an active performing group. Students accepted in Symphonic Percussion are automatically included in Marching and Symphonic Bands. Attendance is required for all performances and special rehearsals. An Honors grade may be earned (juniors and seniors only).

127581 & 127582 (Year-long)**SYMPHONIC BAND 2 (HONORS OPTION)**

Grades: 9-12

1 Fine Arts credit

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

Symphonic Band 2 is designed for students who have achieved a high level of proficiency as performers through their previous musical experiences. Members of the Symphonic Band 2 are automatically included in the Marching Band 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 2 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 summer band camp. An Honors grade may be earned (juniors and seniors only).

127610**PIANO**

Grades: 9-12

½ Fine Arts credit

Prerequisite: None

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

127620**PIANO 2**

Grades: 9-12

½ Fine Arts credit

Prerequisite: Piano 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.

127630**GUITAR**

Grades: 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 to use a school guitar.

127640**GUITAR 2**

Grades: 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 to use a school guitar.

127720**INTRODUCTION TO MUSIC THEORY**

Grades: 9-12

½ Fine Arts credit

Prerequisite: None

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.

129701 & 129702 (Year-long)**AP MUSIC THEORY**

Grades: 10-12

1 Fine Arts credit

Prerequisite: Permission of the instructor

AP 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 Test 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. A weighted grade is given for this course.

The foundation of knowledge presented in this 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.

127760**MUSIC DESIGNS**

Grades: 9-12

½ Fine Arts credit

Prerequisite: None

The Music Designs course provides students important knowledge and skills necessary to better appreciate music and become informed music consumers. Students will trace the development of Western music genres from their beginnings to present day through exploration of composers' lives, and the historical and social contexts of the times. Listening and analytical skills are developed as students become familiar with music from a variety of historical periods, styles, and cultures.

PHYSICAL & HEALTH EDUCATION

HEALTH

077100

HEALTH AND WELLNESS

Grade: 10

½ Health credit (required)

Prerequisite: Sophomore standing

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.

PHYSICAL EDUCATION

9th Grade

Physical Fitness Concepts (prerequisite to all other PE courses)

10th, 11th, and 12th Grades

All other PE courses will satisfy the additional Physical Education course requirements.

GRADUATION REQUIREMENTS:

1. All students are required to pass Physical Fitness Concepts.
2. Students must earn an additional ½ unit of credit in grades 10-12.
It is recommended that all students take a PE course during their 11th and/or 12th grade year.
3. Students may elect to take physical education for additional credit.
4. Students may not repeat physical education courses.
Exception: Strength & Conditioning.
5. A maximum of four units of physical education may be counted toward the required 24 units of credit for graduation

087110**PHYSICAL FITNESS CONCEPTS**

Grades: 9-10

½ Phys Ed credit (required)

Prerequisite: Freshman or sophomore standing

This course is the first required course to be taken in the physical education department and fulfills one-half of the physical education requirements. 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.

085950**LET'S MOVE TOGETHER**

Grades: 9-12

½ Phys Ed credit

Prerequisite: Department 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, and individual group games and sports. Each student will be working together with general education mentors in grades 10-12, to increase competency in fitness and sport skills, and increase enjoyment of physical activity.

087950**PE MENTOR**

Grades: 10-12

½ Elective credit

Prerequisite: Physical Fitness Concepts and 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 who are enrolled in Physical Education. Students will take on the role of buddies to provide leadership in a variety of physical fitness games and activities.

087140**COMPETITIVE SPORTS AND GAMES**

Grades: 10-12

½ Phys Ed 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, as well as an understanding of the rules of traditional and non-traditional team sports games. Students will also examine coaching and team strategies, and officiating mechanics for each sport. This course meets the second 1/2 physical education credit requirement for graduation.

087150**LIFETIME AND RECREATIONAL SPORTS**

Grades: 10-12

½ Phys Ed 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.

087200**STRENGTH AND CONDITIONING**

Grades: 10-12

½ Phys Ed credit (May be repeated for additional elective credit)

Prerequisite: Physical Fitness Concepts

This course meets the requirements for the second, one-half credit of physical education, or may be taken for elective credit. The content of the 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 developing muscle 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.

087300**ADVENTURE PURSUITS**

Grades: 10-12

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts

This course will promote components such as team-building, critical thinking, cooperation and encouragement through outdoor and adventure activities such as cycling, rock climbing, kayaking, orienteering and outdoor living. Students will be assessed on their participation, facilitation skills, proper equipment usage, and application of safety procedures. This course meets the second ½ physical education credit requirement for graduation.

087400**WALKING AND LOW-IMPACT PHYSICAL ACTIVITIES**

Grades: 10-12

½ Phys Ed 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. This course meets the second 1/2 physical education credit requirement for graduation.

087820

offered 2022-2023

AQUATIC EXPERIENCES/SCUBA

Grades: 10-12

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts and 2nd required PE course

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.

087830

offered 2022-2023

LIFEGUARD TRAINING

Grades: 10-12

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts

This course will provide students with all the latest American Red Cross standards for Lifeguarding in regards to injury prevention and rescue skills. The course content also includes the duties and responsibilities of a professional lifeguard. In order to receive lifeguard certification, students will be required to be 15 years old upon completion of the course and meet all American Red Cross course requirements, which includes both physical and knowledge based skills. This course meets the second 1/2 physical education credit requirement for graduation.

087960**MOVEMENT 2 MUSIC**

Grades: 10-12

½ Phys Ed 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. This course meets the second 1/2 physical education credit requirement for graduation.

SCIENCE

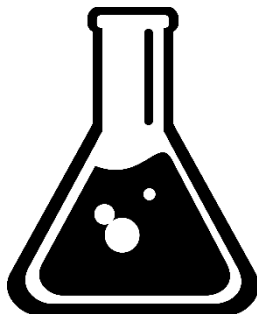
A minimum of three (3.0) credits in science are required by the state of Missouri for a student to graduate high school. Although no particular courses or course sequences are required by the Missouri Department of Elementary and Secondary Education or Parkway's Board of Education's policies and guidelines, there is a strongly recommended sequence of courses that students should consider in order to prepare for post high school plans.

As a guideline, all students should attempt at least one year of a biological science and one year of a physical science. For most four year universities, this generally includes a year of biology (or honors biology) and chemistry (or honors chemistry or principles of chemistry). For the final credit (1.0), a course in physics should be considered strongly especially if student goals include attending a four year university. In addition, at Parkway, many elective courses have a prerequisite course requirement of biology and chemistry. This includes not only AP course options but also courses like anatomy and physiology, forensic science, etc. which rely on content previously mastered in biology and chemistry.

We continue to encourage students to take as many science classes as reflects their interest and plans for a future career. For most, this will be more than the minimum three-year requirement described by the state. When considering elective classes, we recommend a year of chemistry and physics before considering additional electives. Note that many colleges and universities expect a student to be maximally prepared in the sciences and hence to have taken a full four years of science in high school.

Options for Science Curriculum

Each student is required to have three science credits to graduate. There are three basic paths through the science curriculum. The first path (Path A) is for those having significant difficulty in math and science and is typically appropriate for students not seeking a four-year degree after graduation from high school. The second path (Path B) takes general science classes and is appropriate for those students intending to attend a four-year college/university but not planning on majoring in science. The third path (Path C) takes honors level science classes and is appropriate for those students intending to attend a four-year college/university and plan on majoring in science or those students who seek admission to a selective college/university. Those students planning on majoring in science or attending a more selective college should plan on taking AP classes.



SCIENCE CURRICULUM PATHWAY

PATH A			
students having significant difficulty in math & science			
Grade 9	Grade 10	Grade 11	Grade 11 or 12
<ul style="list-style-type: none"> • Chemical & Physical Systems* OR • Biology 1 and Biology 2 	<ul style="list-style-type: none"> • Earth Science Systems* OR • Principles of Chemistry* 	<ul style="list-style-type: none"> • Biological Systems* OR • Science electives 	<ul style="list-style-type: none"> • Bio 3: Biotechnology & Systems • Anatomy & Physiology* • Astronomy & Meteorology • Environmental Science • Geology • Forensic Science <p style="text-align: right; margin-top: 5px;"><i>check course prerequisites</i></p>

Path A will satisfy both Missouri and Parkway science graduation requirements

PATH B			
students planning on attending a 4 year college/university but not majoring in STEM			
Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Biology 1: Cells & Variation AND • Biology 2: Evolution & Ecology 	<ul style="list-style-type: none"> • Principles of Chemistry* OR • Chemistry* 	<ul style="list-style-type: none"> • Principles of Physics* OR • Physics* 	<ul style="list-style-type: none"> • AP Biology* • AP Chemistry* • AP Environmental* • Bio 3: Biotechnology & Systems • Anatomy & Physiology* • Astronomy & Meteorology • Environmental Science • Geology • Organic Chemistry • Forensic Science <p style="text-align: right; margin-top: 5px;"><i>check course prerequisites</i></p>

PATH C			
students planning on attending a more select 4 year college/university and/or majoring in STEM			
Grade 9	Grade 10	Grade 11 or 12	Grade 11 or 12 AP courses and/or electives
<ul style="list-style-type: none"> • Honors Biology 1: Cells & Variation AND • Honors Biology 2: Evolution & Ecology 	<ul style="list-style-type: none"> • Honors Chemistry* OR • Chemistry* 	<ul style="list-style-type: none"> • AP Physics 1* OR • Physics* • Science electives 	<ul style="list-style-type: none"> • AP Biology* • AP Chemistry* • AP Environmental* • AP Physics 2* • AP Physics C* • Bio 3: Biotechnology & Systems • Anatomy & Physiology* • Astronomy & Meteorology • Environmental Science • Geology • Organic Chemistry • Forensic Science <p style="text-align: right; margin-top: 5px;"><i>check course prerequisites</i></p>

**indicates year-long classes*

137140**BIOLOGY 1: CELLS AND VARIATION**

Grades: 9-10

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.

138140**HONORS BIOLOGY 1: CELLS AND VARIATION**

Grades: 9-10

½ Science credit

Prerequisite: Department approval

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

137150**BIOLOGY 2: EVOLUTION AND ECOLOGY**

Grades: 9-10

½ Science credit

Prerequisite: Biology 1: Cells and Variation

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. The Missouri Biology End of Course Assessment is given at the conclusion of this course.

138150**HONORS BIOLOGY 2: EVOLUTION AND ECOLOGY**

Grades: 9-10

½ Science credit

Prerequisite: Honors Biology 1: Cells and Variation or Department approval

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

137160**BIOLOGY 3: BIOTECHNOLOGY AND SYSTEMS**

Grades: 10-12

½ Science credit

Prerequisite: One credit of Biology or Department approval

This course completes the initial college preparatory sequence and has the themes: How does biotechnology impact life? 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 through cellular respiration. These topics will be presented numerous laboratory activities and will emphasize process and thinking skills.

**137241 & 137242 (Year-long)
PRINCIPLES OF CHEMISTRY**

Grades: 10-12

1 Science credit

Prerequisite: Successful Completion of Bio 1 and 2

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.

**137201 & 137202 (Year-long)
CHEMISTRY**

Grades: 10-12

1 Science credit

Prerequisite(s): Algebra 1 with a C or better or Department approval

This course can fulfill the third required year of science credit and completes the recommended core curriculum in chemistry. Topics include atomic structure and history, The Periodic Table and periodicity, bonding and nomenclature, the mole and stoichiometry, states of matter, kinetics, thermochemistry, and acids and bases. Group interaction, discussion, and cooperation during laboratory practice and mathematical problem-solving sessions will be commonplace. Open-ended lab experiences requiring student collaboration, technology, and multiple-step problem solving execution will be frequent.

**138201 & 138202 (Year-long)
HONORS CHEMISTRY**

Grades: 10-12

1 Science credit

Prerequisite: Enrollment in +Alg 2 Trig or Department approval

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

**137301 & 137302 (Year-long)
PHYSICS**

Grades: 11-12

1 Science credit

Prerequisite: Successful completion of Geometry or Department approval

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

**137361 & 137362 (Year-long)
PRINCIPLES OF PHYSICS**

Grades: 9-12

1 Science credit

Prerequisite: Algebra 1, Geometry, Biology, and Chemistry or Principles of Chemistry

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.

**137461 & 137462 (Year-long)
HUMAN ANATOMY & PHYSIOLOGY (HONORS
OPTION)**

Grades: 11-12

1 Science credit

Prerequisite: Successful completion of Biology 1: Cells and Variation and Biology 2: Evolution and Ecology

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.

137430

offered 2022-2023

ORGANIC CHEMISTRY

Grades: 11-12

½ Science credit

Prerequisite: Chemistry or Honors Chemistry or Department approval

This course is designed to introduce students to the chemistry of carbon and to give them a basic understanding of organic reactions. The course will cover nomenclature, structural formulas, isomers, optical activity, polymers, sugars, lipids, dyes, reactions of functional groups, qualitative analysis, organic synthesis and other topics selected by the instructor. Wherever possible, the study of these topics will be complemented by laboratory investigations. The content of this course will assist students who are planning to take upper level biology in high school (Advanced Biology) and/or organic chemistry and upper level biology courses in college.

137480

FORENSIC SCIENCE

Grades: 11-12

½ Science credit

Prerequisite: Biology 1 & 2, Chemistry and Principles of Chemistry

This course is intended to introduce the student to the field of forensic science, science as 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 chemistry connections. 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.

137490

GEOLOGY

Grades: 11-12

½ Science credit

Prerequisite: Successful completion of Biology 1 and 2 or Department approval

Earth is a dynamic planet with many forces shaping its surface. From the eroding of canyons to the folding of mountains, this course will explore the processes that build and destroy. Looking at current Earth features like glaciers, volcanoes, and the ocean floor will help us to understand our home and all of its inhabitants of today and yesteryear.

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.

137500

ENVIRONMENTAL SCIENCE

Grades: 10-12

½ Science credit

Prerequisite: One credit of Biology

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

137550

ASTRONOMY AND METEOROLOGY

Grades: 11-12

½ Science credit

Prerequisites: Successful completion of Biology 1 and 2 or Department approval

Astronomy and Meteorology is designed to explore and understand the world around us. What factors influence weather? How do we predict weather? How have human interactions with the Earth lead to local and global changes? This course will also explore the NASA program, the space race, and observations made by astronomers and astrophysicists which allowed a greater depth of knowledge of the solar system including the sun, moon, and stars.

139151 & 139152 (Year-long)

AP BIOLOGY

Grades: 11-12

1 Science credit

Prerequisite: 2 Semesters of Biology or Honors Biology, 2 Semesters of Chemistry or Honors Chemistry or currently enrolled

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

139251 & 139252 (Year-long)**AP CHEMISTRY**

Grades: 11-12

1 Science credit

Prerequisite: Chemistry, Honors Chemistry or Department approval

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

139321**AP PHYSICS C: MECHANICS**

Grades: 11-12

 $\frac{1}{2}$ Science credit

Prerequisite: Concurrent enrollment in Honors Pre-Calculus or Calculus

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

139332**AP PHYSICS C: ELECTRICITY & MAGNETISM**

Grades: 11-12

 $\frac{1}{2}$ Science credit

Prerequisite: Concurrent enrollment in Honors Pre-Calculus or Calculus

This course is a calculus-based physics course that covers the topics of conductors, capacitors, and dielectrics, electric circuits, magnetic fields, and electromagnetism. This course is the second of a two-course sequence that is equivalent to the introductory calculus based physics sequence taken by science and engineering students at most colleges and universities. This course prepares students for the AP Physics C: Electricity and Magnetism exam. A weighted grade is given for this course.

139411 & 139412 (Year-long)**AP PHYSICS 1**

Grades: 11-12

1 Science credit

Prerequisite: Honors Algebra 2 / Trig or Department approval

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

139421 & 139422 (Year-long)**AP PHYSICS 2**

Grade: 12

1 Science credit

Prerequisite: Physics, AP Physics 1 and Pre-Calculus

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

139501 & 139502 (Year-long)**AP ENVIRONMENTAL SCIENCE**

Grades: 11-12

1 Science credit

Prerequisite: 1 credit of Biology and 1 credit of Chemistry (Chemistry may be taken concurrently)

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

SOCIAL STUDIES

Social Studies courses in grades nine through twelve fall under three broad headings – American studies, world studies, and behavioral studies. It is required that a student take three years of Social Studies to fulfill state graduation requirements. A student, however, may take additional Social Studies courses to fulfill general elective requirements.

Grade 9

Modern United States History (required – two semesters)
OR
Honors Modern United States History (two semesters)

Grade 10

World History (required – two semesters)
OR
AP World History (two semesters)

Grade 11

Government (required – one semester)
OR
AP Government (two semesters)

Grades 11 and 12

Students are required to enroll in one Social Studies elective course to fulfill graduation requirements. Students are strongly encouraged to take more than one social studies elective. Additional Social Studies elective credits can also satisfy general elective requirements.

Social Studies Elective courses are listed below. A minimum of one semester (1/2 credit) is required:

Social Studies Electives		
American Studies	World Studies	Behavioral Studies
African American History & Literature AP Government AP United States History (C1) Colonial America (Honors) (C2) Contemporary Issues (C2) Crime and the Law Gender: Time and Place (C1) History of St. Louis History of the American West (C1) Media in America	Ancient Civilizations (C2) AP European History (C2) AP Human Geography AP World History Economics (Honors) Modern Warfare	Anthropology (C1) AP Psychology Environmental Issues (C1) Philosophy and Ethics Psychology Sociology

In an effort to ensure that all of our elective courses are staffed, we are offering the following electives on an every other year cycle.

Cycle 1

(School year begins with an odd number)

Anthropology
 AP US History
 Gender, Time, & Place
 History of the American West

Cycle 2

(School year begins with an even number)

Ancient Civilizations
 AP European History
 Colonial America
 Contemporary Issues

157001 & 157002 (Year-long)
MODERN UNITED STATES HISTORY

Grade: 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.

158001 & 158002 (Year-long)
MODERN UNITED STATES HISTORY (HONORS)

Grade: 9
1 Social Studies credit
Prerequisite: Department approval

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 for this course.

157011 & 157012 (Year-long)
WORLD HISTORY: THE MODERN ERA

Grade: 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.

159011 & 159012 (Year-long)
AP WORLD HISTORY

Grades: 10-12
1 Social Studies credit
Prerequisite: Sophomore, Junior or Senior standing and Department approval

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. This 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 for this course.

157100
UNITED STATES GOVERNMENT

Grades: 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.

159121 & 159122 (Year-long)
AP UNITED STATES GOVERNMENT & POLITICS
Grades: 11-12
1 Social Studies credit
Prerequisite: Junior or Senior standing

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. This course prepares students for the AP US Government & Politics exam. Students have the option to earn college credit through the AP examination. A weighted grade is given for this course.

157350
HISTORY OF ST. LOUIS
Grades: 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.

157370 *not an NCAA "core course"
MEDIA IN AMERICA
Grades: 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.

157870
COMMUNITY AND LAW ENFORCEMENT OUTREACH
Grades: 11-12
½ Social Studies credit
Prerequisite: Junior or Senior standing

This course will focus on generating balanced community-based dialogue and solutions to ongoing tension and conflict between community members and law enforcement officials. The aim will be to engage, inform, empower, and activate students as viable stakeholders in this cause. Historical inquiry will be a foremost priority and essential to understanding the societal forces that have generated present circumstances and tension-the notion of 'lucky' and 'unlucky' zip codes in the St. Louis Region, the history of racial segregation and violence, coupled with an examination of the rise of 'law and order', 'War on Drugs', 'Just Say No' and 'Three Strikes' political responses. With context thus established, a thorough debate on the intersecting issues of gun rights vs gun control will follow. To conclude the semester, students will be charged with generating, coordinating, promoting, and conducting (a) community-based solution(s) aimed at alleviating the tense relationship many citizens have with law enforcement and vice-versa. The ultimate product(s) will be open to student input, but some examples may include an Open House with Gallery Walk for invited community stakeholders, a panel discussion with a balance of experts, and/or a barbecue at a local park that includes members of the community and law enforcement officials.

157571 & 157572 (Year-long)
AFRICAN-AMERICAN HISTORY & LITERATURE

Grades: 10-12

1 Social Studies credit

Prerequisite: Successful Modern US History

This interdisciplinary course will focus on the study of African-American history and culture from the roots in Africa to the modern day. Through a blending of the study of African-American history and literature, this course serves to broaden students' knowledge of African-Americans regarding the broader concepts of race, class, and gender. The historical survey will include African origins and Diasporas, slavery and reconstruction, all the way up to African-Americans in the 21st century. A variety of literary pieces and historical texts from diverse authors and time periods serve as the foundation of materials for the course. Students will develop high level skills in literary and historical reading, writing, and analysis.

Semester 1: Africa and the African Diaspora

Students will explore the beginnings of African culture, history, and literature and how these spread throughout and further influenced the development of other cultures throughout the world.

Semester 2: Africans in America

Students will examine African-American culture, history and literature from the Trans-Atlantic Slave Trade up until current day.

157750
CRIME AND THE LAW

Grades: 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.

157790
SOCIOLOGY

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.

157800
PSYCHOLOGY

Grades: 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.

159801 & 159802 (Year-long)
AP PSYCHOLOGY

Grades: 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, principals, 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 prepares students to take the AP Psychology exam. Students have the option to earn college credit through the AP examination. A weighted grade is given for this course.

157830

MODERN WARFARE

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

This course will take a look at some very important questions concerning the origins of war as well as the study of World War I and World War II, the Cold War conflicts, the Gulf War, and the War on Terrorism. Students will confront and discuss tough questions such as "Is war part of human nature?" "What reasons (if any) justify the use of war?" "What limits should be used in waging war?" and "Can there ever be an end to warfare altogether?" An in-depth look into the military history of our past century will challenge students to evaluate how war fits into our future world.

157840

PHILOSOPHY AND ETHICS

Grades: 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.

157360

offered 2021-2022

HISTORY OF THE AMERICAN WEST

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

This course is a comprehensive examination of the exploration and settlement of the trans-Mississippi West. Using eyewitness accounts, important secondary sources and media, the following topics will be studied: animals, the Indians, explorers, mountain men, miners, military, farmers, ranchers, the Western outlaw and women. In each case, the traditional stereotype will be compared to and contrasted with the historical reality.

157780

offered 2021-2022

ANTHROPOLOGY

Grades: 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).

157820

offered 2021-2022

ENVIRONMENTAL ISSUES

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

Students will explore the development of the environmental movement, its successes and failures, and the reasons for current environmental backlash. Units of study will focus on societal issues that impact wildlife preservation, air and water pollution, land use, population and energy options. Each student will examine and develop an understanding of environmental issues that provide a framework of knowledge into which they can integrate global information for a lifetime of continuous learning

157850

offered 2021-2022

GENDER, TIME AND PLACE

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

This course is a study of the development of women's economic, political and social roles in the United States. Students will analyze, debate, and discuss primary source documents, photographs, films and other resources to discover and evaluate the female perspective.

158700
ECONOMICS (HONORS)

Grades: 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.

159301 & 159302 (Year-long)
AP UNITED STATES HISTORY

offered 2021-2002

Grades: 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; American 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 for this course.

159510
AP HUMAN GEOGRAPHY

Grades: 10-12

1 Social Studies credit

Prerequisite: None

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. This 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 for this course.

157590
ANCIENT CIVILIZATIONS

offered 2022-2023

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

157760
CONTEMPORARY ISSUES

offered 2022-2023

Grades: 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.

158340
COLONIAL AMERICA (HONORS)

offered 2022-2023

Grades: 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; Unit 2. Colonial Economy; Unit 3. Life in the Colonies (a regional approach); Unit 4. Non-European Experiences; Unit 5. Revolt & Revolution.

159501 & 159502 (Year-long)

offered 2022-2023

AP EUROPEAN HISTORY

Grades: 11-12

1 Social Studies credit

Prerequisite: World History and Modern US History,
Junior or Senior standing

This will be a rigorous course investigating the emergence of the ideas and institutions which shaped the modern world. Students will develop and demonstrate knowledge of basic chronology, intellectual history and an understanding of the major events, themes and trends from the late Middle Ages to the recent past. Together we will investigate the cultural, political, artistic, economic and social developments that played a fundamental role in shaping the world in which we live. This course prepares students to take the AP European History exam. Students have the option to earn college credit through the AP examination. A weighted grade is given for this course.

SPECIAL OFFERINGS

813100

LEADERSHIP DEVELOPMENT 1

Grades: 9-12

½ Elective credit

Prerequisite: None

This course is designed for any student interested in developing his/her leadership potential and learning the basic concepts of leadership skills. Topics include: communication and interpersonal skills, time management, meeting skills, problem solving, and goal setting. Classroom activities will be combined with practical school- community projects to demonstrate skills learned in class. Students who desire to become leaders in future endeavors or for current school organizations or activities/athletics are encouraged to enroll.

997001 & 997002

CADET TEACHING

Grades: 11-12

½ Elective credit

Prerequisite: Junior or Senior in good standing. Minimum GPA of 2.5 for placement at an elementary school and 3.0 for placement at a secondary school. See Mr. Vincent for application.

This course is offered to junior senior students who have an interest in pursuing a degree in teaching or are wanting to gain mentoring/tutoring hours to use toward their A+ status. Students will assist and observe cooperating teachers within the school. The student will share in the work of the cooperating teacher and will perform a variety of teaching-related tasks under the direction of a certified teacher. The program requires that the student be responsible, dependable, and maintain a good work ethic. Placement options include: North High, Northeast Middle, and Bellerive, Craig, McKelvey, and Ross Elementary Schools. For placement at an off-campus site, the students must provide their own transportation and it must be scheduled during 4th or 8th block. Please indicate 1st semester, 2nd semester, or both.

207100

LAUNCH ACT: IMPROVING COLLEGE READINESS

Grades: 11

½ Elective credit

Prerequisite: Administrator recommendation only

This course will Launch ACT Growth by preparing students with test taking strategies and tips and tricks to help you tackle the exam. Designed for students who scored in range of 13-17 on their Freshman Practice ACT, students will have exposure to multiple practice tests as well as review of content that will appear on the test. This semester-long class is split into two sections; one will focus on English Language Arts and Reading, and the other on Math and Science.

993300

SENIOR PROJECT: SERVICE LEARNING AND SOCIAL JUSTICE

Grade: 12

½ Elective credit

Prerequisite: Senior standing

The addition of a community service and social justice program will become the hallmark of a Parkway education and will elevate Parkway to leadership status nationwide. The call to reform education and create students who are thriving democratic citizens is demanding public education to move in the direction of service learning. This course will support personal projects and its senior student's participating in weekly service at multiple agencies in the St. Louis area and perhaps beyond. Imagine over 1000 senior students devoting more than 56,000 hours to serving those in need. Each student will be encouraged to engage the world in a loving way and reform structures in a way that leads to justice. The ultimate goal will be to generate students who tie community service to academic analysis of justice issues and graduate with the ability to make life choices informed by the context of social justice.

116341 & 116342 (Year-long)

BUILDING MATH COMPETENCY 4

Grades: 9-12

1 Math credit

Prerequisite: Department recommendation only

This course is designed as an intervention for students who need additional support to increase skills in math computation, concepts, reasoning, and problem solving. Topics will include: ratios, proportions, percents, area and volume, statistics, and an introduction to solving and graphing linear equations.

994211 & 994212**MATH SUPPORT**

Grades:

 $\frac{1}{2}$ Elective credit each semester

Prerequisite: Department recommendation only

During this course, students receive direct instruction in prerequisite math required for Algebra 1. Differentiated instruction is the foundation of this course, as staff work with students to increase their academic capability, confidence and curiosity. Pre-assessments are used to identify specific mathematics skill gaps, then each student is prescribed lessons and practice problems specific to their individual learning needs. Formative and summative assessments are given throughout the course to ensure students are retaining these math skills. Students set learning goals and develop skills needed in order help monitor their own progress. Staff works closely with Algebra 1 teachers to provide academic support for the students enrolled in these classes.

This class was previously called Intervention and Instruction.

117200**GEOMETRY ACT**

Grades: 10-12

 $\frac{1}{2}$ Elective credit

Prerequisite: Department recommendation only

This semester long Geometry course is designed as an intervention for students who need additional support in increase geometric and algebraic reasoning skills needed to be successful for the ACT. Topics include essential geometry vocabulary, parallel lines and polygons, perimeter and area, volume and surface area, trigonometry, and coordinate geometry.

057171 & 057172 (Year-long)**CREATIVE WRITING: NON-FICTION**

Grades: 11-12

1 English credit

Prerequisite: English 1 and 2 and recommendation of Journalism instructor. May not be substituted for English 1, 2, or 3.

This course involves both study of non-fiction writing techniques and individual instruction. Writing samples are predominately drawn from current periodicals. Students submit writing for publication in professional and student publications.

057470**LITERACY LAB**

Grades: 9-12

 $\frac{1}{2}$ Elective credit

Prerequisite: Department recommendation only

This course is designed to accelerate achievement in reading, writing stamina, practice within and across genres, engaging in critical and creative thinking and problem solving, and enhancing multiple types of communication.

This class was previously called Intervention and Instruction.

136321 & 136322 (Year-long)**EARTH SYSTEMS**

Grades: 10

1 Science Credit

Prerequisite: Department recommendation only

This course is designed as an intervention for students who need additional support to increase earth science content knowledge and laboratory skills. Emphasis will be placed on the interconnectedness of science concepts and their application in the world. Students will gain a wide range of knowledge of the earth and the solar system as well as weather, seasons, and climate on our own planet. The relationship between atmospheric processes and their effect on humans will be explored. Students will use telescopes, spectrometers, and probes to explore changes in the night sky and current weather related activity. In addition, students will study the internal and external factors that sculpt the earth. Looking at Earth's features such as glaciers, volcanoes, and the ocean floor will help to understand our home and all of its inhabitants. From the eroding of canyons to the folding of mountains, this course will explore the processes that build and destroy our planet.

136331 & 136332 (Year-long)**BIOLOGICAL SYSTEMS**

Grades: 11

1 Science credit

Prerequisite: Department recommendation only

This course is designed as an intervention for students who need additional support to access the biology curriculum. The goal of the course is to help students develop the skills needed to be a successful scientist in the classroom and in their lives. Emphasis will be placed on the interconnectedness of science concepts and their application in the world, by developing skills of communication, collaboration, problem solving, and critical thinking. Topics will include: characteristics of life, structure of living things, systems of living things, cell growth and genetics, evolution, ecology, and population growth and human impact on the environment.

136351 & 136352 (Year-long)
CHEMICAL AND PHYSICAL SYSTEMS

Grades: 9

1 Science credit

Prerequisite: Department recommendation only

This course is designed as an intervention for students who need additional support to increase physical science content knowledge and laboratory skills. Emphasis will be placed on the interconnectedness of science concepts and their application in the world. Topics will include: motion, forces, energy, light, sound, electricity, atomic structure, the Periodic Table, and chemical and physical properties and changes.

137930 *not an NCAA "core course"

SCIENCE LABORATORY ASSISTANT

Grades 11-12

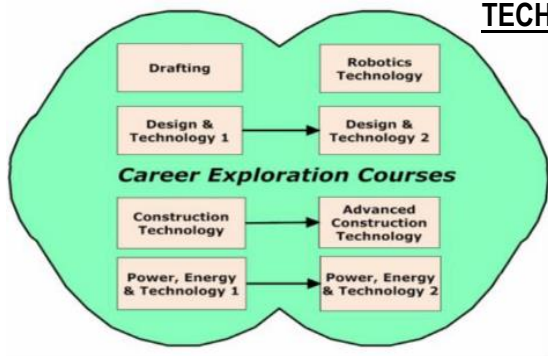
½ Elective credit

Prerequisite: B average in Science, Junior or Senior standing and Department approval

This is a special course for students to have the opportunity to learn laboratory skills needed for any scientific career. The student will develop skills in making chemical solutions, raising laboratory animals, microbiology techniques, maintaining equipment and supplies used in science classes, and assisting teachers in preparing for laboratory activities. They may also work on a scientific project under teacher supervision. Students must be reliable and enjoy working with science materials. Permission from the science department is required. The number of students accepted per class period is very limited.

TECHNOLOGY & ENGINEERING EDUCATION

TECHNOLOGY EDUCATION



107050 POWER, ENERGY, AND TRANSPORTATION TECHNOLOGY 1

Grades: 9-12

½ CTE credit

Prerequisite: None

Engineering and technology students will explore the prime movers for technology. The students study control and transmission of electrical, fluid, thermal, and mechanical energies. After learning the components for each prime mover system through practical application, the student couples power sources to control devices to transmit power to output equipment. In addition, students explore careers that use power and energy technology. Students may be asked to purchase consumables.

107070 DRAFTING

Grades: 9-12

½ CTE credit

Prerequisite: None

Drafting is the universal language of industry, as it is used in technical fields such as architecture, electrical, machining, and mechanical technologies. 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.

107120 DESIGN AND TECHNOLOGY 1

Grades: 9-12

½ CTE 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.

107500 CONSTRUCTION TECHNOLOGY

Grades: 9-12

½ CTE 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.

107510 ADVANCED CONSTRUCTION TECHNOLOGY

Grades: 9-12

½ CTE 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.

107680

ROBOTICS TECHNOLOGY 1

Grades: 9-12

½ CTE credit

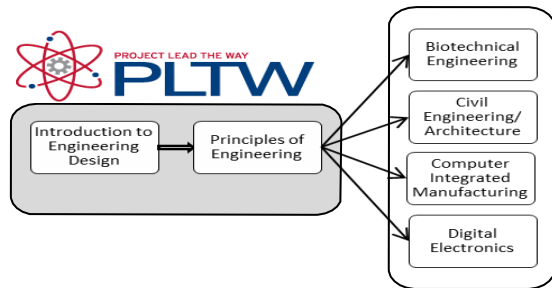
Prerequisite: None

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.

PRE-ENGINEERING

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

*** A variety of college credit is available for all pre-engineering courses. Consult the instructor for more information.



108711 & 108712 (Year-long) INTRODUCTION TO ENGINEERING DESIGN (HONORS)

Grades: 9-12
1 CTE credit
Prerequisite: None

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. Students can receive 3 semester hours of transcribed college credit. A weighted grade is given for this course.

108751 & 108752 (Year-long) PRINCIPLES OF ENGINEERING (HONORS)

Grades: 10-12
1 CTE credit
Prerequisite: Sophomore, Junior or Senior standing

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. Students can receive 3 semester hours of transcribed college credit. A weighted grade is given for this course.

108451 & 108452 (Year-long) DIGITAL ELECTRONICS (HONORS)

Grades: 10-12
1 CTE credit
Prerequisite: Sophomore, Junior or Senior standing

This honors course introduces students to applied digital logic, a key element of careers in engineering and engineering technology. This course explores the smart circuits found in watches, calculators, video games and computers. Students use industry-standard computer software in testing and analyzing digital circuitry. They design circuits to solve problems, export their designs to a printed circuit auto-routing program that generates printed circuit boards, and use appropriate components to build their designs. Students use mathematics and science in solving real-world engineering problems.

This course covers several topics, including: analog and digital fundamentals, number systems and binary addition, logic gates and functions, Boolean algebra and circuit design, decoders, multiplexers and de-multiplexers. Students can receive 3 semester hours of transcribed college credit. A weighted grade is given for this course.

108201 & 108202 (Year-long) CIVIL ENGINEERING AND ARCHITECTURE (HONORS)

Grades: 10-12
1 CTE credit
Prerequisite: Introduction to Engineering Design, Drafting or Instructor 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. Students can receive 3 semester hours of transcribed college credit. A weighted grade is given for this course.

THEATRE ARTS

PRESENT CLASS	SUGGESTED CLASS
Introduction to Theatre	Foundations of Acting Comedy in Action Technical Design & Construction
Foundations of Acting	Advanced Acting Comedy in Action Technical Design & Construction
Advanced Acting (Honors)	Directing Comedy in Action Technical Design & Construction
Technical Design & Construction	Foundations of Acting Advanced Acting Directing Comedy in Action
Comedy in Action	Foundations of Acting Advanced Acting Directing Technical Design & Construction
Directing (Honors)	N/A

057720
INTRODUCTION TO THEATRE
 Grades: 9-12
 ½ Fine Arts credit
 Prerequisite: None

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

057730
COMEDY IN ACTION
 Grades: 9-12
 ½ Fine Arts credit
 Prerequisite: Introduction to Theater or Instructor Approval

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

.057760

TECHNICAL DESIGN & CONSTRUCTION

Grades: 9-12

½ Fine Arts credit

Prerequisite: Introduction to Theatre or Instructor Approval

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

057800

FOUNDATIONS OF ACTING

Grades: 10-12

½ Fine Arts credit

Prerequisite: Introduction to Theatre or Instructor Approval

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

057810

ADVANCED ACTING (HONORS OPTION)

Grades: 10-12

½ Fine Arts credit

Prerequisite: Grade of C or better in Foundations of Acting or Instructor Approval

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

057820

DIRECTING (HONORS OPTION)

Grade: 12

½ Fine Arts credit

Prerequisite: Foundations of Acting, Advanced Acting, & Technical Design & Construction or equivalent co-curricular technical experience with instructor approval.

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 Advanced Acting is required, as well as time commitment after school. An Honors grade may be earned

WORLD LANGUAGES

The World Languages program has been designed to achieve two major goals. The first one is to offer students the opportunity to develop proficiency in a second language and culture so they can acquire skills, knowledge and attitudes important for living and working in a multi-lingual, multi-cultural world. The second goal is to develop students' insight into their own language and culture so that they can increase their knowledge about the English language and their understanding of their own society.

To achieve these goals, an articulated sequence of courses, from Level 1 to Level 5, is offered in several modern languages and one classical language. Learning a second language will also serve the purpose of meeting college entry requirements or recommendations in Foreign Language.

In Levels 3, 4, and 5, students who qualify may have the option of earning college credit. See the department leader.

WORLD LANGUAGES COURSE SEQUENCE			
French 1	German 1	Latin 1	Spanish 1
↓	↓	↓	↓
French 2	German 2	Latin 2	Spanish 2
↓	↓	↓	↓
French 3	German 3	Latin 3	Spanish 3
↓	↓	↓	↓
French 4 (Honors)	German 4 (Honors)	Latin 4 (Honors)	Spanish 4 (Honors)
↓	↓	↓	↓
French 5 (AP)	German 5 (AP)	Latin 5 (AP)	Spanish 5 (AP)

FRENCH

067011 & 067012 (Year-long)

FRENCH 1

Grades: 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.

067021 & 067022 (Year-long)

FRENCH 2

Grades: 9-12

1 Elective credit

Prerequisite: French 1 or French 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 that have successfully completed French 1 or French A & B.

067031 & 067032 (Year-long)

FRENCH 3

Grades: 10-12

1 Elective credit

Prerequisite: French 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. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education.

068041 & 068042 (Year-long)

HONORS FRENCH 4

Grades: 11-12

1 Elective credit

Prerequisite: French 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. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. As an honors course, a weighted grade is given.

069051 & 069052 (Year-long)

AP FRENCH 5: LANGUAGE & CULTURE

Grade: 12

1 Elective credit

Prerequisite: French 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. Dual credit may be available for this course based on student eligibility and teacher qualifications, determined by the university granting credit and standards set by the Missouri Department of Education. Those wanting to earn AP credit may also choose to take the AP French Language & Culture exam. A weighted grade is given.

GERMAN

068141 & 068142 (Year-long) HONORS GERMAN 4

Grades: 11-12
1 Elective credit

Prerequisite: German 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. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. As an honors course, a weighted grade is given.

This course will be offered as a VIP (virtual in-person) course for the 2021-2022 school year.

069151 & 069152 (Year-long) AP GERMAN 5: Language & Culture

Grade: 12
1 Elective credit

Prerequisite: German 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. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. Those wanting to earn AP credit may also choose to take the AP German Language and Culture exam. A weighted grade is given.

This course will be offered as a VIP (virtual in-person) course for the 2021-2022 school year.

LATIN

067211 & 067212 (Year-long)

LATIN 1

Grades: 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.

067221 & 067222 (Year-long)

LATIN 2

Grades: 9-12

1 Elective credit

Prerequisite: Latin 1 or Latin 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.

067231 & 067232 (Year-long)

LATIN 3

Grades: 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.

068241 & 068242 (Year-long)

HONORS LATIN 4

Grades: 11-12

1 Elective credit

Prerequisite: Latin 3

This course will include readings of extended portions of Latin writers, e.g., Virgil, Cicero, Ovid, Pliny, Horace, and 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. As an honors course, a weighted grade is given.

069251 & 069252 (Year-long)

AP LATIN 5

Grade 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, and 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. Those wanting to earn AP credit may also choose to take the AP Latin exam. A weighted grade is given.

SPANISH

067311 & 067312 (Year-long)

SPANISH 1

Grades: 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 that have never taken Spanish.

067321 & 067322 (Year-long)

SPANISH 2

Grades: 9-12

1 Elective credit

Prerequisite: Spanish 1 or Spanish 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 that have successfully completed Spanish 1 or Spanish A & B.

067331 & 067332 (Year-long)

SPANISH 3

Grades: 10-12

1 Elective credit

Prerequisite: Spanish 2

Spanish 3 students will learn to communicate more freely and creatively in the 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. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. As an honors course, a weighted grade is given.

068341 & 068342 (Year-long)

HONORS SPANISH 4

Grades: 11-12

1 Elective credit

Prerequisite: Spanish 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. Dual credit may be available for this course based on student eligibility and teacher qualifications, as determined by the university granting credit and standards set by the Missouri Department of Education. As an honors course, a weighted grade is given.

069351 & 069352 (Year-long)

AP SPANISH 5: LANGUAGE & CULTURE

Grade: 12

1 Elective credit

Prerequisite: Spanish 4

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

ADVANCED COLLEGE CREDIT & ADVANCED PLACEMENT OPPORTUNITIES

ADVANCED COLLEGE CREDIT PROGRAMS

Several courses taught by experienced Parkway High School teachers as part of the regular curriculum have been approved to receive credit from local colleges and universities as per our articulation agreements. Students who choose to enroll for college credit pay a modified tuition and when each course is completed, have that credit available for advanced credit at the cooperating college or for transfer to other colleges. The grade received becomes part of the student's permanent college record.

Acceptance of transfer credit is subject to approval by the receiving college and is not guaranteed. Each student should contact the colleges which he or she hopes to attend for information regarding transfer of the credit and to determine if advanced credit can be earned through the Advance Placement Exam program or campus placement exams as an alternative to transfer credit.

View CTE Articulation/Dual Credit Agreements at <https://goo.gl/ncpfYn> or scan the QR code



The following courses may be approved for credit from the respective college or university:

*not offered at North

Algebra 2 with Trig (Honors)	University of MO – St. Louis
AP Calculus AB	University of MO – St. Louis
AP Calculus BC	University of MO – ST. Louis
AP Lit & Comp	University of MO – St. Louis
AP Statistics	University of MO – St. Louis
Ceramics 1	University of MO – St. Louis
Ceramics 2	University of MO – St. Louis
Child Development 1 & 2	St. Louis Community College
Civil Engineering & Architecture	Missouri University S & T
College Algebra	University of MO – St. Louis
Design Arts	University of MO – St. Louis
Digital Electronics	Missouri University S & T
French 2, 3 & 4	University of MO – St. Louis or St. Louis Community College
German 4 & 5	University of MO – St. Louis or St. Louis Community College
Intro to Engineering Design	Missouri University S & T
Marketing 2	Missouri State University
Microsoft Office	St. Louis Community College
Personal Finance	Missouri State University
Pre-Calculus	University of MO – St. Louis
Principles of Engineering	Missouri University S & T
Sculpture 1	University of MO – St. Louis
Spanish 3, 4 & 5	University of MO – St. Louis or St. Louis Community College

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. Students are graded on the Honors scale and have the potential to earn an extra point in their GPA.
4. Your college or university may grant college academic credit for successful scores on examinations.

Contact the Guidance department for information describing the Advanced Placement Program and test fees.

Advanced Placement Examinations are Offered in the Following Subjects:		
2D Art and Design	Drawing	Physics 1: Algebra-based
Art History	English Language & Comp	Physics 2: Algebra-based
Biology	English Literature	Physics C: Electricity & Magnetism
Calculus AB	Environmental Science	Psychology
Calculus BC	European History	Spanish
Chemistry	French	Statistics
Comparative Government & Politics	German	US Government & Politics
Computer Science A	Human Geography	World History Modern
Computer Science Principles	Latin	

TECHNICAL HIGH SCHOOL

Per the Administrative Guidelines for Parkway's Policy IKF "Diploma Requirements:"

"Parkway may accept credits awarded by the Special School District (SSD) of St. Louis County to Parkway students attending (on a part or full time basis) a SSD technical high school. Transcripts are to indicate when the student attended and which courses were completed at the technical high school. Parkway grade point averages (GPA's) and class rankings will be based only on coursework completed in Parkway high schools and transferred in from a previously attended accredited high school. Parkway students completing their high school requirements on a part or full time basis at a Special School District of St. Louis County technical high school may be eligible to receive a Parkway diploma from the Parkway school within whose boundaries they reside, provided they have satisfied both State and Parkway requirements."

South Tech MAKES develops entrepreneurial skills in students so that they can solve problems by making things. Students are exposed to the principles of business management and design thinking while being taught technical skills to design and create using technology and our hands. Students then put those principles and skills to work in a personal project that they will design and prototype and a separate class project they will work as a team to produce

SOUTH TECH PROGRAM DESCRIPTIONS

AUTO COLLISION REPAIR

This program focuses on the repair and appearance of the interior and exterior of vehicles. Students learn how to assess, estimate, and repair using modern welding, sanding, masking and painting techniques using the same advanced equipment found in professional auto collision repair companies. *COLLEGE CREDIT OFFERED: Ranken Technical College & State Technical College, college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: Automobile Service Excellence (ASE) Student Certification in Nonstructural/Paint & Refinishing ~ S/P2 Safety Certification.*

AUTOMOTIVE TECHNOLOGY

This program is driven by the 4 main systems of vehicle operation: brakes, suspension and steering, engine performance, and electrical/electronics, students will diagnose, service, and repair a wide range of vehicles alongside their ASE certified Master Technician instructor. The classroom includes training in the use of modern diagnostic equipment in preparation for multiple ASE certifications. *COLLEGE CREDIT OFFERED: Ranken Technical College & State Technical College, college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: Automobile Service Excellence (ASE) Student Certification in Brakes, Electrical, Engine Performance, Suspension ~ S/P2 Safety Certification.*

CARPENTRY (Seniors Only)

Students will build a skill set that includes framing, estimating, roofing, and interior finishing and learn how to read and interpret blueprints. They will build structures using a wide range of professional power tools and carpentry materials while earning apprenticeship and college credit. *COLLEGE CREDIT OFFERED: Carpenter's Joint Apprenticeship Training Program, Students who successfully complete the Career Connections Level 3 certifications will obtain two units of elective credit ~ Ranken Technical College, college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: Home Builders Institute (HBI)-Pre-Apprenticeship Training Core Certification ~ Occupational Safety and Health Administration (OSHA)-10 hour Construction Industry Certification.*

CISCO NETWORKING ACADEMY

This academy is an honors course in which students learn how to design, install and troubleshoot complex computer networks. Students will navigate a variety of projects as they complete Cisco's online curriculum in preparation for their certification exams. *COLLEGE CREDIT OFFERED: St. Louis Community College, 10 credits ~ St. Charles Community College, 25 credits ~ Jefferson College, 5 credits ~ Ranken & State Technical College, college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: CompTIA A+ Certification ~ Cisco Certified Network Associate (CCNA) Certification.*

CONSTRUCTION AND OUTDOOR MAINTENANCE (Seniors Only)

Students will be introduced to safety, building repair, preventative maintenance, general building upkeep, and problem solving. An emphasis on safety will accompany lessons on responding to supervision and following specific instructions. Additionally, they will focus on gaining skills in job seeking, application completion, and interviewing. *CERTIFICATIONS OFFERED: Occupational Safety and Health Administration (OSHA) – 10 hour construction Industry Certification.*

CONSTRUCTION INNOVATIONS

Students customize a year or semester of construction exploration to match their interests by choosing from a variety of quarter long courses which offer a solid foundation of basic knowledge and experience. Upon completion of the course, students can continue into an Advanced Construction course in their second year. Students can choose from: Carpentry, Electrical Trades, Construction Trades, Floor Layers Middle Apprenticeship, or HVAC. *CERTIFICATIONS OFFERED: Home Builders Institute (HBI) - Pre-Apprenticeship Training Core Certification ~ Occupational Safety and Health Administration (OSHA)-10 hour Construction Industry Certification.*

CONSTRUCTION TRADES (Seniors Only)

Students build a skill set that includes framing, estimating, roofing, and interior finishing, learn how to read and interpret blueprints and build structures using a wide range of professional power tools and carpentry materials, and hone employability skills through study of the PACT curriculum. *COLLEGE CREDIT: Ranken Technical College, college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: Home Builders Institute (HBI) - Pre-Apprenticeship Training Core Certification ~ Occupational Safety and Health Administration (OSHA) – 10 hour Construction Industry Certification.*

COSMETOLOGY

This is an exclusive high school program offering the same curriculum as a beauty college without tuition costs. All aspects of cosmetology including all hair, nail, and skincare services are included. Students learn in a full-service salon along with classroom instruction from licensed Cosmetologists. By graduation, students will have had the opportunity to earn of all the hours required to take their Missouri State Board certification exam to become a licensed cosmetologist. *CERTIFICATIONS OFFERED: Cosmetology Missouri State Board of Certification.*

CULINARY ARTS

The Culinary Arts program is taught in a modern, fully equipped, restaurant style kitchen as required by the American Culinary Federation for certification. Students plan, prepare, and cater meals alongside professional chefs in both the classroom, compete at various competitions throughout the year, and participate in exclusive mentorship and shadowing program with some of our region's most recognized culinary leaders. *COLLEGE CREDIT OFFERED: St. Louis Community College, 10 credits ~ Sullivan University, 3 credits ~ Johnson and Wales University, 13.5 quarter hours ~ Robert Morris University, 9 quarter hours ~ Southwestern Illinois College, 8 credits.. CERTIFICATION OFFERED: American Culinary Federation Certification ~ ServSafe Certification.*

DENTAL SCIENCES

Students are immersed into clinical experience in both the classroom and through internships available during the senior year. Our modern operatory includes real world tools and equipment which allow students to conduct mock exams and perform X-rays, preventative and restorative practices and emergency care. *COLLEGE CREDIT OFFERED: Missouri Baptist University, Dual Credit, 8 credits ~ Additional opportunities through State Technical College. CERTIFICATIONS OFFERED: The DANB's (Dental Assisting National Board) Missouri Test of Basic Dental Assisting Skills (MBDA), ~ Permit to Assist the Administration of and Monitor Nitrous Oxide Analgesia ~ CPR Certification ~ OSHA Healthcare Certification*

DESIGN & ENTREPRENEURSHIP

This engaging program provides students the opportunity to learn the fundamental skills of three dimensional design using cutting edge design software, hands-on building of prototypes of their designs in our State of the Art MAKES lab, and the concepts of design thinking. Throughout the program students will meet entrepreneurs, network with industry professionals and collaborate with their peers to solve real world problems. *CERTIFICATIONS OFFERED: Occupational Safety and Health Administration (OSHA)-10 hour Certification.*

EARLY CHILDHOOD EDUCATION

Students become teachers in our certified preschools as they research, create, and implement lesson plans while learning effective preschool teaching techniques. Upon graduation, students will have a portfolio of work to present to colleges and/or employers along with early childhood certifications. *COLLEGE CREDIT OFFERED: St. Louis Community College, 6 credits. CERTIFICATIONS OFFERED: American Association of Family & Consumer Sciences (AAFCS)-Early Childhood Certification ~ CPR and First Aid Certifications ~ ServSafe Food Handler Certification*

ELECTRICAL TRADES (Seniors Only)

Students will learn how to design, stage, and install commercial and residential electrical wiring for power and telecommunications systems. Skills taught include blueprint interpretation, layout design, and programming equipment and an emphasis on logical thinking. *APPRENTICESHIP CREDIT OFFERED: American Trade School, 12 quarter hours ~ Ranken Technical College and State Technical College, college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: Home Builders Institute (HBI)-Pre-Apprenticeship Training Core Certification ~ Occupational Safety and Health Administration (OSHA)-10 hour Construction Industry.*

ELECTRONICS & ROBOTICS

Exploring the complex electrical, electronic, mechanical, and robotic components used in manufacturing and industry is the goal of this course. Students will also design and program robots for the annual FIRST Robotics Competition using modern equipment and techniques. *COLLEGE CREDIT OFFERED: St. Louis Community College, 4 credits. CERTIFICATIONS OFFERED: International Society of Certified Electronics Technicians (ISCET)-4 certifications in DC Electronics, AC Electronics, Semiconductor, Digital Electronics.*

FIREFIGHTING & EMT

Our Firefighting and Emergency Medical Technician major is an academy level course that immerses students into academy level training. Using a wide range of firefighting and life-saving medical diagnostic equipment, students develop their skills through real world emergency scenarios and field experiences. *COLLEGE CREDIT OFFERED: St. Louis Community College, 10 credits ~ Southwestern Illinois College, 6 credits. CERTIFICATIONS OFFERED: Fire I and Fire II certifications ~ Emergency Medical Technician Basic certification through National Registry ~ National First Responder certification ~ Hazardous Materials Awareness and Operations certification.*

FLOOR LAYERS MIDDLE APPRENTICESHIP

Students begin their post-secondary training while in high school in this exclusive apprenticeship. While learning to install hardwood, vinyl, carpet, and ceramic flooring students earn credit that can also lead to an associate's degree shortly after high school graduation. Paid summer internships with licensed contractors are also available. *APPRENTICESHIP CREDIT OFFERED: U.S. Department of Labor Journey Level Certificate-Students completing the program will be able to articulate this certificate into college credit with Ivy Tech Community College of Indiana. With an additional 15 hours/5 courses, the student will earn an Associate Degree in Applied Science. CERTIFICATIONS OFFERED: Home Builder's Institute (HBI)-Pre-Apprenticeship Training Core Certification ~ Occupational Safety and Health Administration (OSHA)-10 hour Construction Industry Certification.*

GRAPHIC DESIGN

A students' passion for art is channeled into advertising and marketing projects using the full Adobe Suite of design software. Through advanced tutorials combined with a study of fonts, color theory, sketching and drawing, students produce a professional portfolio of their work to share with prospective colleges and employers. *COLLEGE CREDIT OFFERED: St. Louis Community College, 3 credits. CERTIFICATIONS OFFERED: Adobe Certifications in Illustrator, In Design, and Photoshop.*

HEALTH SCIENCES

This course fully immerses students into healthcare through lab and patient care experiences, college-level academic coursework in anatomy and physiology, and clinical rotations at area hospitals and assisted living facilities. *COLLEGE CREDIT OFFERED: St. Louis Community College, 4 credits ~ Missouri Baptist University, Dual Credit, 8 credits ~ State Technical College-college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: Certified Nursing Assistant (CNA)-State of Missouri certification ~ Occupational Safety Health Administration (OSHA)-10 hour General Industry-Healthcare Certification ~ CPR and First Aid Certifications.*

HEATING, VENTILATION AND AIR CONDITIONING

(Seniors Only)

Students learn how to design, install, repair, and maintain residential and commercial refrigeration, heating, and air conditioning systems. Blueprint reading, electrical schematics, and operational sequencing charts are taught in preparation for certification exams. *COLLEGE CREDIT OFFERED: American Trade School, 12 hours ~ Ranken Technical College and State Technical College, college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: Home Builders Institute (HBI)-Pre-Apprenticeship Training Core Certification ~ Occupational Safety and Health Administration (OSHA)-10 hour Construction Industry Certification ~ Environmental Protection Agency (EPA)-608, Refrigeration Handling Certification.*

LAW ENFORCEMENT

Police Academy training is conducted through an array of training exercises, crime scenarios, self-defense, and fitness training. Students will learn conflict mediation and resolution, investigation techniques, and be trained in the use of advanced security related training equipment, including vehicles. *COLLEGE CREDIT OFFERED: St. Louis Community College, 6 credits.. CERTIFICATIONS: Missouri Law Enforcement Skills and Knowledge (MOLESK) Certification ~ International Academies of Emergency Dispatch Emergency Telecommunicator Certification.*

MEDICAL SERVICES (Senior Only)

This medical exploration program will teach foundation skills in the healthcare industry as well as provide students with a variety of field experiences including hospital and long term settings. Work habits, teamwork, and other employability skills will be emphasized. *CERTIFICATIONS OFFERED: Occupational Safety and Health Administration (OSHA)-10 hour General Industry-Health care Certification ~ CPR and First Aid Certifications*

PHARMACY SCIENCES

Using the same advanced equipment as industry professionals, students test and research drug treatments and interactions. Students also learn the skills required for multiple careers in this pathway, including those needed in retail, hospital, and medical center pharmacies. *COLLEGE CREDIT: Missouri Baptist University, Dual Credit, 4 to 8 Credits. CERTIFICATIONS OFFERED: PassAssured ~ Missouri Pharmacy Technician License.*

PRECISION MACHINING

Students invent, design and manufacture tools and components for a wide range of production while learning how to use advanced computer controlled technology, 3D printing, and traditional machining skills. Project based learning includes training in MasterCAM and Computer Aided Design (CAD) software. *COLLEGE CREDIT OFFERED: St. Louis Community College, 5 credits ~ Ranken Technical College and State Technical College, college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: National Institute of Metalworking Skills (NIMS)-Measurement, Materials, & Safety Certification, Job Planning, Benchmark & Layout Certification.*

VETERINARY ASSISTANT

The science of veterinary medicine, including animal care and training, clinical procedures, medical terminology, grooming, and disease prevention are key components of this course. Students interact daily with a wide variety of animals fostered in our facilities and provide their medical care while learning from certified professionals. *COLLEGE CREDIT OFFERED: Jefferson College, 2 credits. CERTIFICATIONS OFFERED: Certified Vet Assistant-State of Missouri Vet Med Association.*

WEB AND COMPUTER PROGRAMMING

Students will learn how to write and edit source code and applets using several programming languages including HTML and Java. Students will design, create, and maintain software, databases, and web pages while earning certifications. *COLLEGE CREDIT OFFERED: St. Louis Community College, 5 credits ~ Ranken Technical College and State Technical College, college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: Microsoft Technology Associate (MTA) Certification-HTML5 or Software Development.*

WELDING

This competitive program teaches students to design, engineer, build, and troubleshoot complex metal fabrication challenges. Through high-level training and challenging competitions, students perfect modern welding processes while earning welding certifications. *COLLEGE CREDIT OFFERED: Ranken Technical College and State Technical College, college credit opportunities exist through credit for prior learning or credit by assessment. CERTIFICATIONS OFFERED: American Welding Society (AWS)-multiple entry-level welding certifications available ~ S/P2 Safety Certification*

SPECIAL EDUCATION

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 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, 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. Certain procedural safeguards, which include the right to appeal diagnostic and IEP decisions, are available to students with disabilities and their parents.

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.

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

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

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

When a student with an IEP earns the normally required number of credits for a diploma, but the IEP team recommends that the student’s individually prescribed course of study should include additional special education programming (i.e., Vocational Skills Program), the diploma is to be awarded after completion of all the student’s prescribed programming. However, the student may participate in their high school graduation ceremony with classmates, as deemed appropriate by the IEP team.

Special education services can be provided in a variety of ways. *See next page.*

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 will depend 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.

Work Experience (WORK EXP)

Students gain training in job skills in the classroom +/- school building or at a local community job site under the direct supervision of an on-site special education staff. 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.)

SPECIAL EDUCATION SERVICES IN A SPECIAL EDUCATION SETTING

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

These courses follow specific research-based curricula and instruction tailored specifically to a student's learning objectives to teach reading, writing, and math 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)

These courses involve direct instruction by a special education teacher in content areas (i.e., math, reading, writing) 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.

For more details regarding the curriculum and course objectives for each special education course, use the Online Curriculum Guide on the Parkway Teaching, Learning, & Accountability department website.