

PARKWAY SOUTH

Curriculum Guide



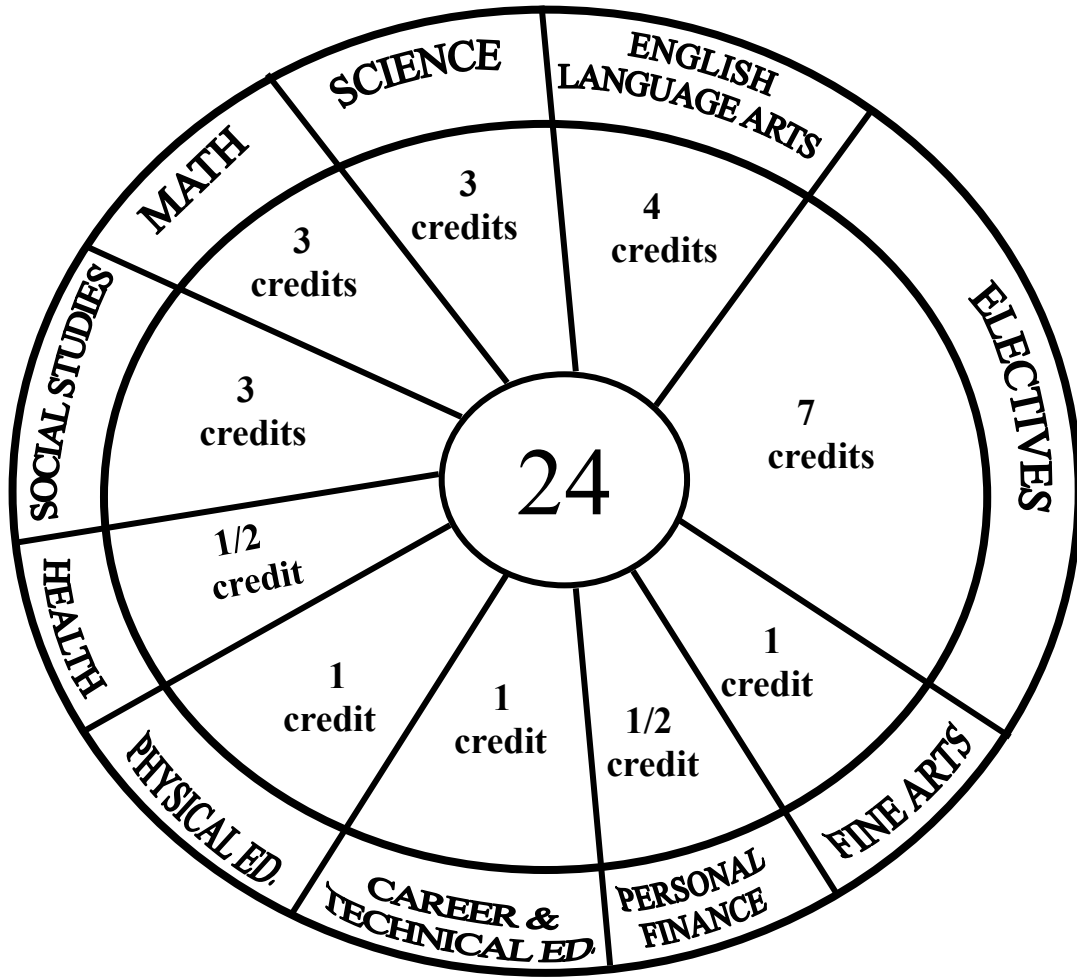
2021-2022

HIGH SCHOOL

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PARKWAY GRADUATION REQUIREMENTS



High School Diploma Requirements

- ◆ Math: 3 credits
- ◆ Science: 3 credits
- ◆ English: 4 credits
- ◆ Social Studies: 3 credits
- ◆ PE: 1 credit
- ◆ CTE: 1 credit
- ◆ Fine Arts: 1 credit
- ◆ Personal Finance: .5 credit
- ◆ Health: .5 credit
- ◆ Electives: 7 credits

= 24 credits

College Admissions Requirements

- ◆ Math: 4 credits
- ◆ Science: 3-4 credits
- ◆ English: 4 credits
- ◆ Social Studies: 3-4 credits
- ◆ World Languages: 2-4 credits
- ◆ Competitive colleges recommend rigor in class choices, ex: 4 years of WL, etc.

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

A planned four year program of twenty-four credits of credit is the minimum requirement for a diploma from a Parkway high school.* It is also necessary to pass the United States and Missouri Constitution tests which are included in the required Government course.

4 Credits of English Language Arts

English 1 – Grade 9
English 2 – Grade 10
English 3 – Grade 11
English Elective – Grade 12

3 Credits of Social Studies

Modern United States History – Grade 9
World History – Grade 10
Grade 11 and/or Grade 12 Social Studies:
1/2 credit of Social Studies elective
1/2 credit of Government, including
U.S. and Missouri Constitution Test

3 Credits of Science

Matter and Change
Forces and Motion in One Dimension
Biology: One credit
One additional credit of science

3 Credits of Mathematics

Algebra 1 and above
Geometry
1 additional credit of Math

1 Credit of Fine Art

Music, Art and/or Drama. Grades 9, 10, 11 or 12

1 Credit of Career and Technical Education

Business, Marketing and Information Technology
Family and Consumer Sciences
Photo Journalism, Yearbook, Newspaper
Technology and Engineering Education
Grades 9, 10, 11, or 12.

1 Credit of Physical Education

1/2 -Physical Fitness Concepts – Grade 9
1/2 -Second Required Course Choices – Grades 10-12

1/2 Credit of Health Education

Grade 10

1/2 Credit of Personal Finance

Grades 10, 11, or 12

7 Elective Credits

EOC Requirements

Algebra 1
Biology 2
English 2
Government

**Only credits earned in the 9th through 12th grades or taken at the high school count toward a diploma.*

GRADING SYSTEM

The high school has a weighted grading system that went into effect in the fall of 1984. The weighted system is as follows:

<u>Grade</u>	<u>Regular Weight</u>	<u>Honor Weight</u>
H	N/A	5.0
A	4	4.5
B	3	3.5
C	2	2.5
D	1	1.5
F	0	0

Any course that carries a weighted grade is so designated. All honors courses are designated with the word "Honors" following the course title.

Selected courses offer an honors option, yet are not honors courses. This means an H grade is possible through contracting for the exceptional student. The last line in the course description indicates that an honors grade may be earned for courses that fit this category.

PARKWAY SOUTH HIGH SCHOOL A+ PROGRAM



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

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

Goals of the A+ Program:

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

Participating High Schools are encouraged to:

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

Student Eligibility:

- Enter into a written agreement with Parkway South High School prior to graduation
- Be a U.S. citizen or permanent resident
- Attend an A+ designated high school for three consecutive years immediately prior to graduation
- Graduate with an overall GPA of 2.5 or higher on a 4.0 scale (grades 9-12) (unweighted)
- Have an overall attendance rate of 95% or higher (grades 9-12)
- Perform and document 50 hours of unpaid, district supervised tutoring/mentoring
- Maintain a record of good citizenship and avoid the unlawful use of drugs and alcohol
- Make a good faith effort to secure federal aid by completing the Free Application for Federal Student Aid (FAFSA)
- Register with the Selective Service (males only)
- Score of proficient or advanced on the Algebra I EOC or a higher-level mathematics EOC approved by the Department of Elementary and Secondary Education OR receive an eligible Math ACT score on a sliding scale according to GPA as determined by DESE.

To retain this eligibility after high school graduation, students must enroll and attend on a full-time basis a Missouri public community college or public career/technical school, AND maintain a grade point average of 2.5 or higher on a 4.0 scale.

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

**** Students must sign up for the A+ Schools Program no later than February 1st of their senior year.**

***If you have any questions about the A+ Program, please contact Rodney Holtmeyer at (314) 415-9742 or e-mail at rholtmeyer@parkwayschools.net. For additional information, visit our A+ link on the PSH Website at: <https://sites.google.com/pkwy.k12.mo.us/aplusprogram/home>

2021-2022 REGISTRATION PROCESS

THE ROLE OF THE **STUDENT** DURING THE REGISTRATION PROCESS:

- Discuss with family members course selections and personal goals,
- Discuss with faculty members and counselors post-high school plans in relationship to course selections,
- Review your five-year plan, including graduation and post-secondary program admission requirements and Career Paths and Clusters.
- Review the contents of the online course guide
- Have an active Infinite Campus Portal account for on-line registration,
- Select required courses, electives and four alternate courses in order of preference,
- Verify that all your graduation requirements are being satisfied

THE ROLE OF THE **PARENT** DURING THE REGISTRATION PROCESS:

- Discuss with the student his or her course selections and personal goals,
- Assist the student in formulating or reviewing his or her five-year plan,
- Review the online curriculum course guide for required credits toward graduation,
- Research information on course selection for post-secondary admission requirements,
- Approach teachers and counselors with academic concerns and questions about course selection,
- Assist with your student's online registration.

THE ROLE OF THE **TEACHER** DURING REGISTRATION:

- Review the contents of the online course guide,
- Review graduation requirements,
- Facilitate on-line access to Infinite Campus for registration,
- Check on student progress in the development of the schedule,
- Assist in prioritizing electives and alternate courses,
- Assure student access to their Infinite Campus portal during Academic Lab.

THE ROLE OF THE **COUNSELOR** DURING THE REGISTRATION PROCESS:

- Review the contents of the online course guide books and registration forms with 8th graders,
- Discuss with students the selection of courses,
- Review each student's transcript and current schedule,
- Discuss students' options for future plans as they relate to high school academics,
- Conference with parents and students to provide information about schedule concerns,
- Meet individually with students to evaluate course selections,
- Work throughout the summer to balance classes and resolve conflicts,
- Verify all graduation requirements are being met.

PERSONAL PLAN OF STUDY WORKSHEET FOR 9TH GRADE

Required Courses	Course Name and Numbers
English	English 1--057011 and 057012 or Honors English 1--058011 and 058012
Math	Algebra 1--117101 and 117102 or Geometry A--117201 and 117202 or Honors Geometry--118201 and 118202
Science	Biology 1--137140 or Honors Biology 1--138140
Science	Chem:Matter and Change--137210 or Honors Chem:Matter and Change--138210
Social Studies	US History--157001 and 157002 or Honors US History--158001 and 158002
Physical Education	Physical Fitness Concepts--087110

Elective Courses

	Course Name	Course Number
1 st Choice		
2 nd Choice		
3 rd Choice		
4 th Choice		

Alternate Elective Courses

	Course Name	Course Number
1 st Choice		
2 nd Choice		
3 rd Choice		
4 th Choice		

PERSONAL PLAN OF STUDY WORKSHEET FOR 10TH GRADE

Required Courses	Course Name and Numbers
English	English 2--057021 and 057022 or Honors English 2--058021 and 058022
Math	Geometry A--117201 and 117202 or Geometry B--116201 and 116202 or Alg 2/Trig--117401 and 117402 or Honors Alg2/Trig--118401 and 118402
Science	Biology 2--137150 or Honors Biology 2--138150
Science	Physics: Forces and Motion--137310 or Honors Physics: Forces and Motion--138310
Social Studies	World History--157011 and 157012 or AP World History--159011 and 159012
Health	Health-- 077100
Personal Finance	Personal Finance- -037100

Elective Courses

	Course Name	Course Number
1 st Choice		
2 nd Choice		
3 rd Choice		
4 th Choice		

Alternate Elective Courses

	Course Name	Course Number
1 st Choice		
2 nd Choice		
3 rd Choice		
4 th Choice		

PERSONAL PLAN OF STUDY WORKSHEET FOR 11TH GRADE

Required Courses	Course Name and Numbers
English	English 3--057031 and 057032 or AP Language and Composition--059201 and 059202
Math	Algebra 2--117301 and 117302 or Alg 2/Trig--117401 and 117402 or Pre-Calculus--117701 and 117702 or Honors Pre-Calculus--118701 and 118702 or College Algebra--117601 and 117602
Science	Please refer to the course guide for 11th grade options.
Social Studies	Government--157100 (one semester) or AP Government and Politics--159121 and 159122 (year-long course)
Social Studies (required elective for graduation)	Please refer to the course guide for 11th grade options.
Physical Education (required elective for graduation)	Please refer to the course guide for 11th grade options.

Important Courses to Consider for 11th grade: Physics: Forces in Motion (some students may have completed this course in 10th grade), Personal Finance (some students may have completed this course in 10th grade, and 2nd required Physical Education course.

PERSONAL PLAN OF STUDY WORKSHEET FOR 12TH GRADE

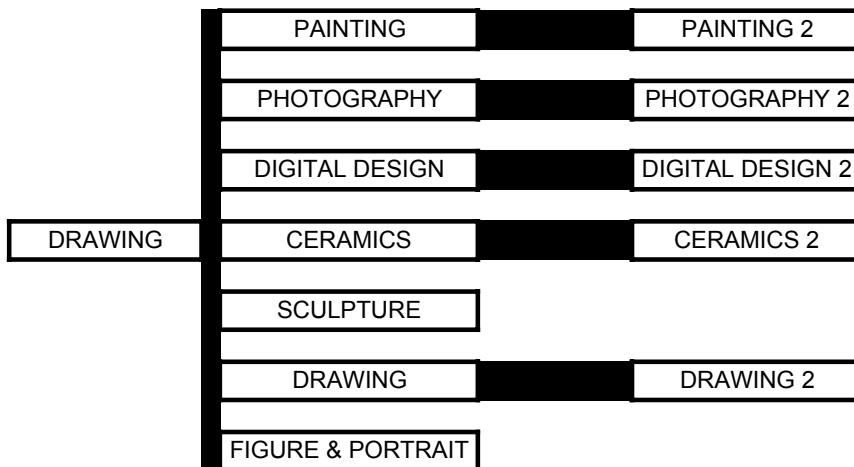
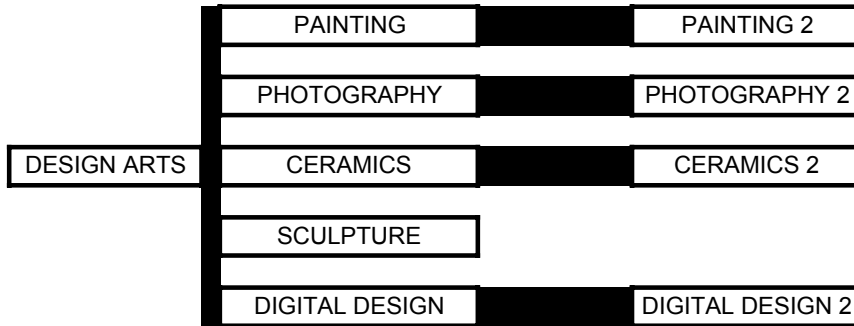
Required Courses	Course Name and Numbers
English--4th credit is required for high school graduation	Please refer to the course guide for 12th grade options.
Math	Please refer to the course guide for 12th grade options.
Science	Please refer to the course guide for 12th grade options.
Social Studies	Please refer to the course guide for 12th grade options.
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	

Alternate Elective Courses

	Course Name	Course Number
1 st Choice		
2 nd Choice		
3 rd Choice		
4 th Choice		

ART

The Art Department requires that students take studio Art courses in the following sequences:



ART

027000

Design Arts

Infinite Campus Name: **DESIGN ARTS**

Grade(s): 09 - 12

Prerequisite: None

1/2 Fine Arts credit each semester

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.

027030

Three Dimensional Design

Infinite Campus Name: **3-D DESIGN**

Grade(s): 09 - 12

Prerequisite: None

1/2 Fine Arts credit each semester

Students taking Three Dimensional Design will use the elements of art and principles of design through a variety of sculptural projects, which may include carving, modeling, casting or assemblage. Special emphasis is placed on the relationship of form and space. Safe practices in the care and use of tools are emphasized.

027100

Drawing

Infinite Campus Name: **DRAWING**

Grade(s): 09 - 12

Prerequisite: None

1/2 Fine Arts credit each semester

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

Infinite Campus Name: **DRAWING 2**

Grade(s): 09 - 12

Prerequisite: Drawing

1/2 Fine Arts credit each semester

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.

ART

027200

Ceramics

Infinite Campus Name: **CERAMICS**

Grade(s): 09 - 12

Prerequisite: Design Arts, Drawing, or permission of the instructor (Design Arts, Drawing or Three Dimensional Design - South High only).

1/2 Fine Arts credit each semester

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.

027220

Ceramics 2

Infinite Campus Name: **CERAMICS 2**

Grade(s): 10 - 12

Prerequisite: Ceramics (grade of A or B recommended)

1/2 Fine Arts credit each semester

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.

027240

Sculpture

Infinite Campus Name: **SCULPTURE**

Grade(s): 09 - 12

Prerequisite: Drawing, Ceramics, or permission of the instructor (Drawing, Design Arts, or Three Dimensional Art- South High only)

1/2 Fine Arts credit each semester

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.

ART

027300

Photography

Infinite Campus Name: **PHOTO**

Grade(s): 10 - 12

Prerequisite: Design Arts or Drawing

1/2 Fine Arts credit each semester

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

027320

Photography 2

Infinite Campus Name: **PHOTO 2**

Grade(s): 10 - 12

Prerequisite: Photography

1/2 Fine Arts credit each semester

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.

027500

Painting

Infinite Campus Name: **PAINTING**

Grade(s): 09 - 12

Prerequisite: Drawing (Drawing or Design Arts - South High only)

1/2 Fine Arts credit each semester

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.

027520

Painting 2

Infinite Campus Name: **PAINTING 2**

Grade(s): 10 - 12

Prerequisite: Painting, or permission of instructor. (grade of A or B recommended)

1/2 Fine Arts credit each semester

In Painting 2, students will continue to use and expand the skills learned in Painting. They may initiate direction for study with emphasis on unique visual statements.

ART

027550

Figure and Portrait

Infinite Campus Name: **FIG/PORTRAIT**

Grade(s): 09 - 12

Prerequisite: Drawing

1/2 Fine Arts credit each semester

This course offers a specialized study of the human figure and portrait in art. It may include in-depth anatomy studies of human skeletal and muscle structure and proportions of the body. It may include work in the major drawing, painting, and sculptural media. Technical skill and accuracy of observation are emphasized and are followed by expressive interpretations. This course can be taken for three college hours of credit through UMSL.

027810

Digital Design

Infinite Campus Name: **DIGITAL DES**

Grade(s): 09 - 12

Prerequisite: Drawing or Design Arts

1/2 Fine Arts credit each semester

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

027820

Digital Design 2

Infinite Campus Name: **DIGITAL DES2**

Grade(s): 10 - 12

Prerequisite: Digital Design

1/2 Fine Arts credit each semester

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.

ART

029781/029782

AP Drawing

Infinite Campus Name: **+AP DRAWING**

Grade(s): 11 - 12

Prerequisite: Drawing 1,2 or Painting 1,2 or additional art classes 1/2 Fine Arts credit each semester

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.

029831/029832

AP 2D Art and Design

Infinite Campus Name: **+AP 2D ART AND DESIGN**

Grade(s): 11 - 12

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

1/2 Fine Arts credit each semester

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

029841/029842

AP 3D Art and Design

Infinite Campus Name: **+AP 3D ART AND DESIGN**

Grade(s): 11 - 12

Prerequisite: Ceramics 1 & 2 and one additional art class, or permission from instructor

1/2 Fine Arts credit each semester

AP 3D Art and Design 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 3D Design. This course is intended for highly motivated students committed to a serious study of 3D Design. AP 3D Design involves a higher level of proficiency and significantly more time than other high school art courses. Performance in other 3D 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.

Accounting & Management

Introduction to Business
Personal Finance+
Accounting 1
Business Management
Business, Marketing and Information Technology
Internship**

Digital Media

Introduction to Computer Technologies
Web Design
Multimedia
Digital Animation
Business, Marketing and Information Technology
Internship**



Information Technology

Introduction to Computer Technologies
Fundamentals of IT/Computer Maintenance
Computer Science: App Design & Development
AP Computer Science Principles+
AP Computer Science A
Introduction to Computer Science
Business, Marketing and Information Technology
Internship**

Marketing

Introduction to Business
Marketing 1
Marketing 2**+
Business Management
Business, Marketing and Information Technology
Internship**

**Denotes Experiential Learning Opportunity
+Denotes Dual-Credit with a College/University

BUSINESS

037350

Introduction to Business

Infinite Campus Name: **INTRO TO BUS**

Grade(s): 09 - 10

Prerequisite: None

1/2 CTE credit each semester

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

Accounting 1

Infinite Campus Name: **ACCOUNTING 1**

Grade(s): 10 - 12

Prerequisite: None

1/2 CTE credit each semester

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.

037310

Introduction to Computer Science

Infinite Campus Name: **INT COMP SCI**

Grade(s): 9 - 12

Prerequisite: None

1/2 CTE (**or Math) credit each semester

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 will 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

BUSINESS

that the credit may not satisfy college/university admissions standards. Students may utilize up to 1.0 credit of district-approved computer science courses to fulfill high school graduation requirements.

037550

Business Management

Infinite Campus Name: **BUS MGT**

Grade(s): 11 - 12

Prerequisite: None

1/2 CTE credit each semester

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.

037490

Digital Animation

Infinite Campus Name: **DIGITAL ANIMATION**

Grade(s): 9 - 12

Prerequisite: None

1/2 CTE credit each semester

In this course, students will use Adobe Flash 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.

037570

Web Design

Infinite Campus Name: **WEB DESIGN**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

Web Design 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.

BUSINESS

037590

Multimedia

Infinite Campus Name: **MULTIMEDIA**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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.

037010

Introduction to Computer Technologies

Infinite Campus Name: **INTRO TO COMPUTER TECH**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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.

037320

Computer Science: Application Design and Development

Infinite Campus Name: **COMPUTER APP DESIGN & DEVT**

Grade(s): 09 - 12

Prerequisite: Intro to Computer Science

1/2 CTE credit each semester

Learn the basics of app design, and take the first step on your journey to becoming an app developer! This course is designed for students who are new to programming, and want to learn how to build applications. A basic background in Java programming is recommended. Your experience and knowledge gained in the Intro to Computer Science course will provide a strong foundation for developing an application. If you love being creative, learning to code, and using technology, then you're our perfect target student! By the end of the course, you'll build a fully functioning, yet powerful, application that can be shared with others. In summary, this course lays the foundation for people who want to better understand the overall role of an application developer and become a skilled creator, not just a consumer, of technology.

BUSINESS

037400

Fundamentals of IT / Computer Maintenance

Infinite Campus Name: **IT COMPUT MAIN**

Grades(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

In this introductory course, you will learn the basics of computer hardware, software, networking troubleshooting, and emerging technologies. You will learn about configuring operating systems, file and folder management, networks and network configuration, and the role of the OSI model in networking and troubleshooting. Through presentations, demonstrations, and knowledge-based exercises, you will gain a fundamental understanding of local and wide area network technologies and protocols, web browsers, identifying security risks and troubleshooting errors, and system maintenance. You will also learn about cutting-edge technologies such as cloud computing and green IT. This course will also prepare you for the Comp TIA Strata IT Fundamentals certificate exam and also serves as launch pad for taking other IT courses, such as A+ Computer Maintenance, Network+, & Computer Science

039251/039252

AP Computer Science Principles

Infinite Campus Name: **+AP COMPUTER SCI PRINCIPLES**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE(*** or Math) credit each semester

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.

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

039321/039322

AP Computer Science A

Infinite Campus Name: **+AP COMP SCI**

Grade(s): 11 - 12

Prerequisite: Intro to Computer Science

1/2 CTE (*** or Math) credit each semester

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

BUSINESS

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

047751/047752

Marketing 1

Infinite Campus Name: **MARKETING 1**

Grade(s): 10 - 12

Prerequisite: None

1/2 CTE credit each semester

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

Marketing 2

Infinite Campus Name: **MARKETING 2**

Grade(s): 11 - 12

Prerequisite: Marketing 1 or Consent of Coordinator

1/2 CTE credit each semester

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.

037701/037702

Business, Marketing and Information Technology Internship

Infinite Campus Name: **BUS MKT INFO TECH INT 1**

Grade(s): 12

Prerequisite: Senior Standing. Student must provide their own transportation and have successfully completed one credit within business, marketing or info tech. It is suggested that students concurrently enroll in a business, marketing or info tech course.

1/2 CTE credit each semester

BUSINESS

This business, marketing and information technology internship opportunity is a collaborative learning experience between you, a company or organization, and your high school. In this program, you will work for the company and spend time researching and analyzing an industry. The internship program can offer valuable insight into a particular field. The internship program is a proven way to gain relevant knowledge, skills, and experience while establishing important connections in the field. This program can lead to increased levels of clarity when declaring a college major or pursuing work after high school.

037741/037742

Business, Marketing and Information Technology Internship

Infinite Campus Name: **BUS MKT INFO TECH INT 2**

Grade(s): 12

Prerequisite: Senior Standing. Students must provide their own transportation and have successfully completed one credit within business, marketing or info tech. It is suggested that students concurrently enroll in a business, marketing or info tech course.

1/2 CTE credit each semester

This business, marketing and information technology internship opportunity is a collaborative learning experience between you, a company or organization, and your high school. In this program, you will work for the company and spend time researching and analyzing an industry. The internship program can offer valuable insight into a particular field. The internship program is a proven way to gain relevant knowledge, skills, and experience while establishing important connections in the field. This program can lead to increased levels of clarity when declaring a college major or pursuing work after high school.

ENGLISH LANGUAGE ARTS

057011/057012

English 1

Infinite Campus Name: **ENGLISH 1**

Grade(s): 09

Prerequisite: None

1/2 English credit each semester

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

058011/058012

English 1, Honors

Infinite Campus Name: **+ENGLISH 1**

Grade(s): 09

Prerequisite: None

1/2 English credit each semester

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

057021/057022

English 2

Infinite Campus Name: **ENGLISH 2**

Grade(s): 10

Prerequisite: None

1/2 English credit each semester

The study of literature, composition, and oral communication skills forms the basis of this course, which continues the work begun in English I. The skills of analysis and critical reading are developed through poetry, fiction, non-fiction, and drama. Although some creative writing is included, the major emphasis in composition is on techniques, honing modes of writing such as narrative, argumentative, and explanatory essays, and blending genres for specific purposes and audiences. The Missouri English 2 End of Course (EOC) Assessment is given at the conclusion of this course.

058021/058022

English 2, Honors

Infinite Campus Name: **+ENGLISH 2**

Grade(s): 10

Prerequisite: None

1/2 English credit each semester

ENGLISH LANGUAGE ARTS

Honors English 2 is for students with well-developed skills in reading and writing. Including all the areas of study mentioned for the regular English 2 program, the Honors course is more demanding because of the complexity of assigned reading, writing, and analysis. Students must read and discuss challenging texts and to write about the ideas and issues in these works. A weighted grade is given. The Missouri English 2 End of Course(EOC)Assessment is given at the conclusion of this course.

057031/057032

English 3

Infinite Campus Name: **ENGLISH 3**

Grade(s): 11

Prerequisite: None

1/2 English credit each semester

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

059201/059202

AP English Language and Composition

Infinite Campus Name: **+APENGLNGCMP**

Grade(s): 11 - 12

Prerequisite: None

1/2 English credit each semester

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.

057041/057042

English 4

Infinite Campus Name: **ENGLISH 4**

Grade(s): 12

Prerequisite: None

1/2 English credit each semester

Students will read from a wide range of print and non-print texts, both fiction and nonfiction, classics and contemporary works, for the purpose of making connections between themselves and their world, both as Americans and as global citizens. Students will practice the 21st century reading, writing, speaking, listening, and researching skills necessary to be college and career ready.

ENGLISH LANGUAGE ARTS

057130

Creative Writing 1

Infinite Campus Name: **CREA WRTG 1**

Grade(s): 10 - 12

Prerequisite: None. 1/2 English credit each semester

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

057140

Creative Writing 2

Infinite Campus Name: **CREA WRTG 2**

Grade(s): 10 - 12

Prerequisite: None.

1/2 English credit each semester

A continuation of the techniques of Creative Writing I, this course is supplemented by attention to the style and interest of individual students. Special attention is paid by each student to particular literary models that will aid development.

057211

College Composition 1

Infinite Campus Name: **COLLEGE COMPOSITION 1**

Grade(s): 12

Prerequisite: None

1/2 English credit each semester

This course is equivalent to and preparation for college Freshman Composition. This course will help students develop skills in writing personal narratives, conducting field research, and composing reflective writing. In composing their essays, students will apply the writing process, including drafting, revising, peer editing, and engaging in conferences with the teacher. Students will receive instruction in vocabulary, mechanics and grammar, which they will apply to their writing. If students elect to take Composition 2, they will be scheduled to take Composition as a year-long course. Students must earn a C or better in Composition 1 to continue on to Composition 2

057212

College Composition 2

Infinite Campus Name: **COLLEGE COMPOSITION 2**

Grade(s): 12

Prerequisite: Grade of C or better in Composition 1

1/2 English credit each semester

This course is equivalent to and preparation for college Freshman Composition. The course is designed to help students understand the art of persuasion and the relationship between subject and structure. Students will be expected to write critical and persuasive papers based upon the essays they read. A research project is

ENGLISH LANGUAGE ARTS

required. Students who receive a grade of C or higher in Composition 1 will have the option of taking Composition 2 the second semester.

057501/057502

African-American History & Literature

Infinite Campus Name: **AFRICAN AMERICAN HIST & LIT**

Grade(s): 10 - 12

Prerequisite: none

1/2 English credit each semester

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.

057540

Comparative Mythology

Infinite Campus Name: **COMP MYTHLGY**

Grade(s): 10 - 12

Prerequisite: none

1/2 English credit each semester

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.

059041/059042

AP English Literature & Composition

Infinite Campus Name: **+APENGLITCMP**

Grade(s): 11 - 12

Prerequisite: None

1/2 English credit each semester

AP English Literature & Composition offers students a college-level course experience. Literature covered is wide-ranging (classical, contemporary, and worldwide) and is representative of all literary genres, from satire to comedy and from tragedy to the epic. The emphasis in the course is on reading and writing and analytical interpretation; it is presumed that the student is familiar with writing critical essays. This course prepares students for the AP English Literature & Composition exam. Students have the option to earn college credit through the AP exam. A weighted grade is given.

Personal & Professional Development Pathway

Human Relations
Personal & Career Development
Culinary Mentor

This pathway provides insight to further improve the quality & value of one's life & experiences; strengthens self-awareness, self-direction, & self-efficacy as students navigate their personal & professional lives.

Culinary & Hospitality Pathway

Culinary ProStart 1
Culinary ProStart 2
Culinary ProStart 3
International Cuisine
Culinary Mentor

This pathway is vital to life, health & wellness; embraces culture, builds self-sufficiency & allows us to serve ourselves & others while enhancing the quality of life.

***Family & Consumer
Sciences***

Child Development & Education Pathway

Child Development 1
Child Development 2
Introduction to Teaching
Student Teaching Experience

This pathway enhances the development of self, children, families & others in order to positively impact current & future generations; encourages the exploration of lifespan development & how to care for & teach others.

Fashion, Apparel & Housing Design Pathway

Fashion, Apparel and Housing Design
Fashion Merchandising
Fashion Design and Construction

This pathway inspires the ability to design & construct through elements & principles of design, consumer demands & personal choice; encourages creativity and personalization towards production.

Capstone Course prerequisite is 1 credit of FACS courses from Fashion, Apparel and Housing Pathway.

FAMILY & CONSUMER SCIENCE

CULINARY AND HOSPITALITY PATHWAY

097010

Culinary ProStart 1

Infinite Campus Name: **CULINARY PRO START 1**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

ProStart 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.

097020

Culinary ProStart 2

Infinite Campus Name: **CULINARY PRO START 2**

Grade(s): 10 - 12

Prerequisite: ProStart 1

1/2 CTE credit each semester

ProStart 2 is a course that will broaden or expand students' knowledge and skills acquired in 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 foodservice industry.

097051/097052

Culinary Pro Start 3

Infinite Campus Name: **CULINARY PRO START 3**

Grade(s): 10 - 12

Prerequisite: Culinary Pro Start 2

1/2 CTE credit each semester

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 potatoes and grains, desserts, and baked goods. The history of food service, the lodging industry, marketing and creating menus will be covered. In this phase, students will also learn food preparation in meats, poultry and seafood, stocks, soups and sauces. For the serious culinary student interested in a career in the restaurant industry, purchasing and inventory control and accounting 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 and university restaurant, foodservice and hospitality programs offer benefits to ProStart graduates.

FAMILY & CONSUMER SCIENCE

097110

International Cuisine

Infinite Campus Name: **INTNL CUISN**

Grade(s): 11 - 12

Prerequisite: Junior or Senior Standing

1/2 CTE credit each semester

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.

097950

Culinary Mentor

Infinite Campus Name: **CULINARY MENTOR**

Grade(s): 10 - 12

Prerequisite: ProStart 1 or International Cuisine

1/2 Electives credit each semester

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.

CHILD DEVELOPMENT AND EDUCATION PATHWAY

097420

Child Development 1

Infinite Campus Name: **CHILD DEV 1**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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

FAMILY & CONSUMER SCIENCE

097430

Child Development 2

Infinite Campus Name: **CHILD DEV 2**

Grade(s): 09 - 12

Prerequisite: Child Development 1

1/2 CTE credit each semester

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 maintain an A or B average in both courses.

097560

Introduction to Teaching

Infinite Campus Name: **INTRO TO TEACHING**

Grade(s): 10 - 12

Prerequisite: None

1/2 CTE credit each semester

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 prerequisite for the Student Teaching course where students will be observing, interacting and teaching in the classroom environment over a twelve week time period. Dual credit is available for this course through the University of Missouri-St. Louis, Maryville, and Lindenwood.

097570

Student Teaching

Infinite Campus Name: **STUDENT TEACHING**

Grade(s): 10 - 12

Prerequisite: Introduction to Teaching

1/2 CTE credit each semester

Student Teaching 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 programs 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, Maryville, and Lindenwood.

FAMILY & CONSUMER SCIENCE

FASHION, APPAREL AND DESIGN PATHWAY

097240

Fashion Apparel and Housing Design

Infinite Campus Name: **FASHION APPAREL HOUSING DESIGN**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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

097280

Fashion Design and Construction

Infinite Campus Name: **FASHION DESIGN & CONSTRUCTION**

Grade(s): 09 - 12

Prerequisite: Fashion, Apparel, and Housing Design

1/2 CTE credit each semester

This course allows students to further develop their creativity and sewing skills learned in Fashion, Apparel, & Housing Design. 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.

097250

Fashion Merchandising

Infinite Campus Name: **FASHION MERC**

Grade(s): 09 - 12

Prerequisite: Fashion, Apparel and Housing Design

1/2 CTE credit each semester

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.

FAMILY & CONSUMER SCIENCE

PERSONAL & PROFESSIONAL DEVELOPMENT PATHWAY

097400

Human Relations

Infinite Campus Name: **HUM RELTNS 1**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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 measurable 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 and Career Development

Infinite Campus Name: **PERSONAL AND CAREER DEVT**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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.

HEALTH

077100

Health & Wellness

Infinite Campus Name: **HEALTH EDUC**

Grade(s): 10 - 12

Prerequisite: None

1/2 Health credit each semester

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

087900

Introduction to the Field of Sports Medicine

Infinite Campus Name: **INTRO TO SPORTS MEDICINE**

Grade(s): 11 - 12

Prerequisite: Health & Wellness

1/2 Electives credit each semester

This course introduces the field of Sports Medicine to the high school student, and is an elective available to them in their junior or senior year. This comprehensive course includes the topics of professional aspects of athletic training, basics of anatomy and physiology, basics of prevention, first aid and rehabilitation, lower and upper extremity injuries, axial injuries and other athletic conditions and concerns. The course requires practical experience in the care of specific injuries with the high school sports program and athletic trainer.

JOURNALISM

057300

Convergence Journalism 1

Infinite Campus Name: **CONVERGENCE JOURNALISM 1**

Grade(s): 09 - 12

Prerequisite: none

1/2 Electives credit each semester

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.

057841/057842

Convergence Journalism 2

Infinite Campus Name: **CONVERGENCE JOURNALISM 2**

Grade(s): 10 - 12

Prerequisite: One of the following: Digital Design, Photography 2, Sports Production Experience, Convergence Journalism 1, Yearbook 1, Newspaper 1, Photojournalism

1/2 CTE credit each semester

Journalists produce content for all student media platforms. This could include photography, posting on social media, telling stories, revising, and graphic design for the school publications. With exceptional work, journalists could step into a leadership role. 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.

JOURNALISM

057851/057852

Convergence Journalism 3

Infinite Campus Name: **CONVERGENCE JOURNALISM 3**

Grade(s): 11 - 12

Prerequisite: One of the following: Convergence Journalism 2, Yearbook 2, Newspaper 2
1/2 CTE credit each semester

Take your experiences from Course Level 2 to new heights! Develop leadership skills while contributing to the creation of student publications. Journalists can choose to earn an Honors Option with teacher approval. See the program description for more information. Students may contract to earn an honors option for this course

.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.

057861/057862

Convergence Journalism 4

Infinite Campus Name: **CONVERGENCE JOURNALISM 4**

Grade(s): 12

Prerequisite: One of the following: Convergence Journalism 3, Yearbook 3, Newspaper 3
1/2 CTE credit each semester

At this level you have the skills to lead and coach your peers through the process. You are a big part of this program's success because of your strong commitment to the program over the course of the years. You drive the creative concepts and every day production. See the program description for more information. Students may contract to earn an honors option for this course.

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

JOURNALISM

includes individual and group projects, guest speakers, field trips, leadership activities and community involvement.

057350

Photojournalism

Infinite Campus Name: **PHOTOJOURNALISM**

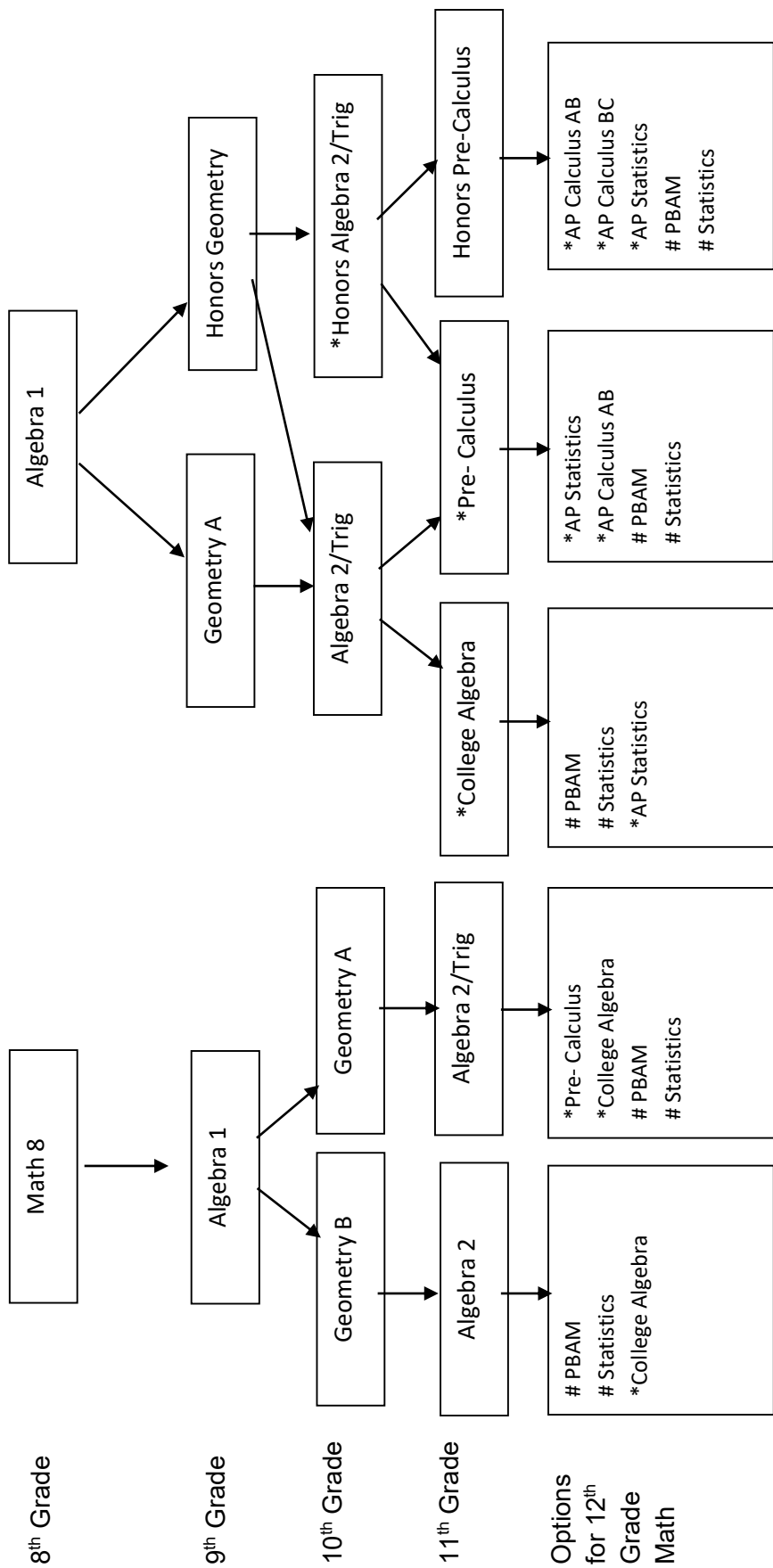
Grade(s): 10-12

Prerequisite: None

1/2 CTE credit each semester

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 photo-composition. 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 camera.

MATH



- Algebra 2 (or Algebra 2/Trig) is a pre-requisite for all 11th (unless enrolled in those courses) and 12th grade courses. As a result, it may not be taken with another course.
- PBAM: Problem Based Application Math
- “*” Denotes the class may be taken for UMSL credit.
- “#” Denotes semester long course

MATH

These course descriptions communicate the general content of the senior high mathematics courses. The courses are presented in three major strands to provide an idea of general types of mathematics programs throughout the four years of senior high school.

HONORS: This is the advanced placement strand. Each course in this sequence should be considered for highly capable mathematics students. Each course in this strand has a weighted grading scale. The major courses in this strand are Honors Geometry, Honors Algebra 2 with Trigonometry, Honors Pre-Calculus, AP Calculus AB, AP Calculus BC and AP Statistics. Students successfully completing Algebra 1 in the eighth grade (with teacher or PSH Math Department recommendation) have met the prerequisite for beginning the program.

COLLEGE PREPARATORY MATHEMATICS: This strand of courses will prepare students for future work in mathematics and the sciences. The major courses in this sequence are Algebra, Geometry A, Algebra 2 with Trigonometry, Pre-Calculus, and College Algebra. This strand is a follow-up of either eighth grade Algebra 1 or Math 8.

GENERAL COURSES FOR COLLEGE BOUND: Courses listed in this strand are Algebra 1, Geometry B, and Algebra 2. Math 8 in eighth grade or Algebra at the high school are prerequisites for courses in this strand. This strand is not suggested as preparation for universities with rigorous admission requirements or for students who wish to pursue a technical or STEM-related career.

The prerequisites listed on the next few pages represent requirements the student must meet for enrollment in a given course. Students who fail to meet the prerequisite must obtain the written consent of the math department to enroll.

117101/117102

Algebra 1

Infinite Campus Name: **ALGEBRA 1**

Grade(s): 09 - 12

Prerequisite: None

1/2 Math credit each semester

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

116201/116202

Geometry B

Infinite Campus Name: **GEOMETRY B**

Grade(s): 09 - 12

Prerequisite: Completion of Algebra Program

1/2 Math credit each semester

MATH

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

117201/117202

Geometry A

Infinite Campus Name: **GEOMETRY A**

Grade(s): 09 - 12

Prerequisite: Algebra 1

1/2 Math credit each semester

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

Honors Geometry

Infinite Campus Name: **+GEOMETRY**

Grade(s): 09 - 10

Prerequisite: Algebra 1 (Grade 8)

1/2 Math credit each semester

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.

117301/117302

Algebra 2

Infinite Campus Name: **ALGEBRA 2**

Grade(s): 10 - 12

Prerequisite: Geometry

1/2 Math credit each semester

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.

MATH

117401/117402

Algebra 2 with Trigonometry

Infinite Campus Name: **ALG 2/TRIG**

Grade(s): 10 - 12

Prerequisite: Geometry A or consent of department

1/2 Math credit each semester

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.

118401/118402

Honors Algebra 2 with Trigonometry

Infinite Campus Name: **+ALG2/TRIG**

Grade(s): 09 - 12

Prerequisite: Honors Geometry or consent of department

1/2 Math credit each semester

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.

117701/117702

Pre-Calculus

Infinite Campus Name: **PRE CALCULUS**

Grade(s): 11 - 12

Prerequisite: Algebra 2 with Trigonometry

1/2 Math credit each semester

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.

118701/118702

Honors Pre-Calculus

Infinite Campus Name: **+PRE CALC**

Grade(s): 10 - 12

Prerequisite: Honors Algebra 2 with Trigonometry or consent of department

1/2 Math credit each semester

MATH

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.

117601/117602

College Algebra

Infinite Campus Name: **COLLEGE ALGEBRA**

Grade(s): 11 - 12

Prerequisite: Algebra 2 with Trigonometry or departmental approval

1/2 Math credit each semester

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.

117801/117802

Problem Based Applications in Finite Math

Infinite Campus Name: **PROBLEM BASED APPS FINITE MATH**

Grade(s): 12

Prerequisite: Completion of Algebra 2 or Consent of Department

1/2 Math credit each semester

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

117900

Statistics

Infinite Campus Name: **STATISTICS**

Grade(s): 12

Prerequisite: Algebra 2

1/2 Math credit each semester

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.

MATH

119901/119902

AP Statistics

Infinite Campus Name: **+AP STATS**

Grade(s): 10 - 12

Prerequisite: Algebra 2 with Trigonometry

1/2 Math credit each semester

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.

119801/119802

AP Calculus AB

Infinite Campus Name: **+AP CALC AB**

Grade(s): 12

Prerequisite: Pre-Calculus or consent of department

1/2 Math credit each semester

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.

119851/119852

AP Calculus BC

Infinite Campus Name: **+AP CALC BC**

Grade(s): 12

Prerequisite: Honors Pre-Calculus

1/2 Math credit each semester

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.

MUSIC

127061/127062

Chamber Choir

Infinite Campus Name: **CHAMBR CHOIR**

Grade(s): 09 - 10

Prerequisite: Audition and recommendation of previous director

1/2 Fine Arts credit each semester

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.

127071/127072

Advanced Chamber Choir (Honors Option)

Infinite Campus Name: **ADV CHAM CHR**

Grade(s): 09 - 12

Prerequisite: Audition and approval of director

1/2 Fine Arts credit each semester

The Advanced Chamber Choir is a select performing ensemble and is designed for students with previous singing experience. This choir will perform literature from all periods of music history and music of varying styles. This ensemble will perform in many concerts and community performances and will have the opportunity to participate in the St. Louis Suburban Choirs and Festival for Solo and Ensembles. As a member of this ensemble, students may also be required to learn music for the larger Concert Choir ensemble and perform with them, in addition to learning their own literature. Attendance is required for all performances and special rehearsals. Uniform attire is required. An Honors grade may be earned. (Juniors and Seniors only)

127171/127172

Concert Choir Mixed (Honors Option)

Infinite Campus Name: **CON CHR MX**

Grade(s): 11 - 12

Prerequisite: Audition

1/2 Fine Arts credit each semester

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.

MUSIC

127181/127182

Concert Choir Treble (Honors Option)

Infinite Campus Name: **CON CHR TRB**

Grade(s): 11 - 12

Prerequisite: Audition

1/2 Fine Arts credit each semester

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

Concert Orchestra

Infinite Campus Name: **CON ORCH 1**

Grade(s): 09

Prerequisite: Previous instrumental experience and audition for the instructor.

1/2 Fine Arts credit each semester

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.

127431/127432

Chamber Orchestra

Infinite Campus Name: **CHAMBER ORCH**

Grade(s): 09 - 12

Prerequisite: Concert Orchestra 1, 2, or permission of instructor

1/2 Fine Arts credit each semester

Chamber Orchestra provides an opportunity for the student to gain increased exposure to more advanced orchestral literature than Concert Orchestras 1 and 2. Music of many styles and periods will be studied and performed. Students will acquire more advanced skills and accuracy in bowing, and fingering techniques, sight-reading capabilities, and musical interpretation necessary for advancement to Symphonic Orchestra. Attendance is required for all performances and special rehearsals.

MUSIC

127441/127442

Symphonic Orchestra (Honors Option)

Infinite Campus Name: **SYM ORCH**

Grade(s): 09 - 12

Prerequisite: Previous instrumental experience and audition for the instructor.

1/2 Fine Arts credit each semester

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

Concert Band

Infinite Campus Name: **CONCERT BAND**

Grade(s): 09 - 12

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

1/2 Fine Arts credit each semester

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.

127522

Jazz Band

Infinite Campus Name: **JAZZ BAND**

Grade(s): 09 - 12

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

1/2 Fine Arts credit each semester

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.

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127551/127552

Symphonic Band - Percussion (Honors Option)

Infinite Campus Name: **SYM PERCUS**

Grade(s): 09 - 12

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

1/2 Fine Arts credit each semester

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).

127571/127572

Symphonic Band 1

Infinite Campus Name: **SYM BAND**

Grade(s): 09 - 12

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

1/2 Fine Arts credit each semester

Symphonic Band 1 is designed for students who have a good level of performance, but wish to improve their musicianship through additional experience in band. Members of the Symphonic Band 1 may choose to participate in the Marching Band, where they will engage in an exciting and active fall marching season. All students in Symphonic Band 1 rehearse the same music throughout the year in preparation for concert performances. 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 increased and individual responsibility within the ensemble emphasized. Symphonic Band 1 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. Those students involved in the Marching Band will have additional rehearsals and performances, including a summer band camp.

127581/127582

Symphonic Band 2 (Honors Option)

Infinite Campus Name: **SYM BAND 2**

Grade(s): 09 - 12

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

1/2 Fine Arts credit each semester

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

MUSIC

performances and special rehearsals, including a summer band camp. An Honors grade may be earned (Juniors and Seniors only).

127300

Strings

Infinite Campus Name: **STRINGS**

Grade(s): 09 - 12

Prerequisite: None

1/2 Fine Arts credit each semester

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

127610

Piano

Infinite Campus Name: **PIANO**

Grade(s): 09 - 12

Prerequisite: None

1/2 Fine Arts credit each semester

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

Infinite Campus Name: **PIANO 2**

Grade(s): 09 - 12

Prerequisite: Piano 1 or permission of instructor

1/2 Fine Arts credit each semester

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 adapter are required.

MUSIC

127630

Guitar

Infinite Campus Name: **GUITAR**

Grade(s): 09 - 12

Prerequisite: none

1/2 Fine Arts credit each semester

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

127760

Music Designs

Infinite Campus Name: **MUS DESIGNS**

Grade(s): 09 - 12

Prerequisite: None

1/2 Fine Arts credit each semester

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 the 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.

127770

Music Technology

Infinite Campus Name: **MUSIC TECH**

Grade(s): 09 - 12

Prerequisite: none

1/2 Fine Arts credit each semester

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

MUSIC

129701/129702

AP Music Theory

Infinite Campus Name: **+AP MUSIC THEORY**

Grade(s): 10 - 12

Prerequisite: None

1/2 Fine Arts credit each semester

Advanced Placement music Theory is a course designed to cover all material within the scope of work that would be equivalent to first year college courses in Music Theory and Ear Training. More specifically, it aims to prepare students to score a 3, 4, or 5 on the AP Music Theory 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. 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.

127950

Music Mentor

Infinite Campus Name: **MUSIC MENTOR**

Grade(s): 09-12

Prerequisite: None

1/2 Fine Arts credit each semester

This is a class for a peer mentor to be aligned with the new course proposal of Let's Make Music Together. Students will work alongside peers enrolled in the adaptive music class. 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 Let's Make Music Together. Students will take on the role of "buddies" to provide leadership in a variety of activities in a music setting.

PERSONAL FINANCE

037100

Personal Finance

Infinite Campus Name: **PERS FINANCE**

Grade(s): 10 - 12

Prerequisite: None

1/2 Pers Finance credit each semester

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

PHYSICAL EDUCATION

Diploma Requirements

All students are required to earn one-half unit of Physical Education in grade 9 and in grade 11. Students may elect Physical Education courses for additional elective credits. A maximum of four units of Physical Education may be counted toward the required units of credit for a diploma. Additional units, although not counted for graduation credits, may be earned.

FIRST REQUIRED COURSE

087110

Physical Fitness Concepts

Infinite Campus Name: **PHYS FIT CON**

Grade(s): 09 - 10

Prerequisite: None

1/2 PE credit each semester

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

SECOND REQUIRED COURSE OPTIONS

Please choose one of the following - please note prerequisites::

087840

Aquatic Fitness / Learn To Swim

Infinite Campus Name: **AQUA FIT/LTS**

Grade(s): 10 - 12

Prerequisite: Physical Fitness Concepts

1/2 PE credit each semester

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

PHYSICAL EDUCATION

087830

Lifeguard Training

Infinite Campus Name: **LIFGRD TRNG**

Grade(s): 10 - 12

Prerequisite: Physical Fitness Concepts

1/2 PE credit each semester

Revised course description: 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 to Music

Infinite Campus Name: **MOVEMENT 2 MUSIC**

Grade(s): 10 - 12

½ Physical Education Credit

Prerequisite: Physical Fitness Concepts

This course allows students to increase their confidence, courage, and competence as they participate in a variety of fitness pursuits such as dance fitness, yoga, Zumba, resistance training, pilates, and cultural dances. Course objectives include creating an awareness and appreciation of different cultures through movement; developing personal fitness through a variety of physical activities that incorporate rhythm and music; and developing an understanding of the relationship between movement and personal well-being. Students will be expected to reflect on their motivation, confidence, and personal fitness as well as develop a sustainable fitness plan. This course meets the second 1/2 physical education credit requirement for graduation.

087970

Yoga for Fitness, Health and Wellbeing

Infinite Campus Name: **YOGA FOR FITNESS & WELLBEING**

Grade(s): 11 - 12

Prerequisite: Physical Fitness Concepts

1/2 PE credit each semester

PHYSICAL EDUCATION

Yoga may have beneficial effects on several student outcomes including mental state, health, performance, and positive behaviors. This also gives us a low-impact course offering for students needing .5 credit.

087200

Strength and Conditioning

Infinite Campus Name: **STRENGTH/CON**

Grade(s): 10 - 12

Prerequisite: Physical Fitness Concepts

1/2 PE credit each semester

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.

087220

Advanced Strength & Conditioning

Infinite Campus Name: **ADV STRN TRN**

Grade(s): 10 - 12

Prerequisite: Physical Fitness Concepts & Strength and Conditioning

1/2 Electives credit each semester

This course is for highly motivated students who wish to learn and apply fitness development principles to strength and weight training applications. Students will study and engage in personalized programs of strength and fitness conditioning that are designed to achieve specific developmental goals.

087400

Walking and Low-Impact Physical Activities

Infinite Campus Name: **WLKNG FTNES**

Grade(s): 10 - 12

Prerequisite: Physical Fitness Concepts

1/2 PE credit each semester

PHYSICAL EDUCATION

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 ½ physical education credit requirement for graduation.

087300

Adventure Pursuits

Infinite Campus Name: **ADVNTR PRSTS**

Grade(s): 10 - 12

Prerequisite: Physical Fitness Concepts

1/2 PE credit each semester

This course will promote components such as team-building, critical thinking, cooperation and encouragement through outdoor and adventure activities such as rock climbing, kayaking, cycling, 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 1/2 physical education credit requirement for graduation.

087820

Aquatic Experiences / SCUBA

Infinite Campus Name: **AQTC EX/SCBA**

Grade(s): 10 - 12

Prerequisite: Physical Fitness Concepts & 2nd Required PE Course

1/2 PE credit each semester

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.

087140

Competitive Sports and Games

Infinite Campus Name: **COMPSRTS/GMS**

Grade(s): 10 - 12

Prerequisite: Physical Fitness Concepts

1/2 PE credit each semester

PHYSICAL EDUCATION

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.

087950

P.E. Mentor

Infinite Campus Name: **P.E. MENTOR**

Grade(s): 10 - 12

Prerequisite: Fit. Con. I and 2nd Required P.E. Course

1/2 Electives credit each semester

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.

SCIENCE

Parkway South Science Department – Course Map

3 Science Credits required for graduation (1 semester = ½ credit)

Courses in **bold** are prerequisites for most other classes

	<i>College and Career Prep</i>		<i>Honors College and Career Prep</i>		<i>Accelerated College and Career Prep</i>	
9th grade	Matter and Change	Biology 1	Honors Matter and Change	Honors Biology 1	Honors Matter and Change	Honors Biology 1
			Honors Forces and Motion		Honors Forces and Motion	
10th grade	Biology 2	Biology 3	Honors Biology 2	Honors Biology 3	Honors Biology 2	Honors Biology 3
	Forces and Motion		Electives	Electives	Honors Chemistry	Honors Chemistry
11th grade	Chemistry		Honors Chemistry		AP Chemistry	
	Electives	Electives	Electives	Electives	AP Physics 1 or C	
12th grade	Physics		AP Physics 1 or C		AP Biology	
	Electives	Electives	Electives	Electives	AP Science Elective	Electives
					Electives	Electives

Science Electives (prerequisite)

Animal Behavior (C or better in Biology 2 or Foundations Biology 2)
 Astronomy and Meteorology (Biology 1 & 2, Matter & Change, and Forces)
 Bio 3: Biotech & Systems (Biology 2, Matter & Change)
 Chemistry (Biology 1 & 2, Matter and Change, C or better in Algebra 1)
 Environmental Science (Biology 1 and 2, at least Junior standing)
 Forensic Science (Recommended C or better in Biology 1, Matter and Change and Forces and Motion)

Geology (Biology 1 & 2, Matter & Change, and Forces)
 Human Anatomy & Physiology (Biology 1 and 2, at least Jr standing)
 Lab Assistant (B average in science classes, at least Jr standing)
 Medical Science (Biology 1 and 2)
 Physics (Forces & Motion, Algebra 2/Trig)
 Zoology (C or better in Biology 1 & 2)

AP Science Electives (prerequisite)

AP Biology (1 credit Biology, 1 credit Chemistry, Physics is encouraged)
 AP Chemistry (Chemistry or H Chemistry, Physics is encouraged)
 AP Environmental Science (1 credit Biology, 1 credit Chemistry concurrently, Physics is encouraged)

AP Physics 1 (A in Forces and Motion, A in Algebra 2/Trig)

AP Physics C: Mechanics (+Forces and Motion, +Pre-Calculus concurrently)

AP Physics 2 (AP Physics 1 or C, Pre-Calculus)

A sequence of year-long courses (Physical Systems, Biological Systems, and Earth Systems) is designed as an intervention for students who need additional support to increase science content knowledge and laboratory skills. **Department approval required for placement in these courses**

SCIENCE

137140

Biology 1: Cells and Variation

Infinite Campus Name: **BIO 1 CELLS**

Grade(s): 09 - 10

Prerequisite: None

1/2 Science credit each semester

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

138140

Honors Bio 1: Cells & Variation

Infinite Campus Name: **+BIO 1 CELLS**

Grade(s): 09 - 10

Prerequisite: None

1/2 Science credit each semester

This is the initial course in a sequence of honors 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

137210

Matter and Change

Infinite Campus Name: **CHEM:MATTER**

Grade(s): 09

Prerequisite: None

1/2 Science credit each semester

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

SCIENCE

138210

Honors Matter & Change

Infinite Campus Name: **+CHEM:MATTER**

Grade(s): 09

Prerequisite: None

1/2 Science credit each semester

This semester course will include a study of physical and chemical changes, classification of matter, phase changes, atomic structure, the periodic table, laws of conservation of matter as well as the history of chemistry. Safety in the laboratory, the experimental process, graphing and metric measurement will be an integral part of this laboratory intensive course. Group interaction, discussion, and cooperation during laboratory practice and mathematical problem-solving sessions will be commonplace. Open-ended laboratory experiences requiring student collaboration and multiple-step problem solving execution will be frequent. This course is designed to challenge the top 10% of students. It is more intensive and requires more critical thinking than Matter & Change. It is designed for the student who has an exceptional interest in science and desires an accelerated science program. Class lectures will often feature advanced, cognitive material delivered at a greater pace and depth. A weighted grade is given.

137310

Forces & Motion in 1D

Infinite Campus Name: **PHYSICS:FORC**

Grade(s): 09-10

Prerequisite: One semester Algebra 1 with C or better or departmental approval

1/2 Science credit each semester

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

138310

Honors Forces & Motion in 1D

Infinite Campus Name: **+PHYSICS:FOR**

Grade(s): 09-10

Prerequisite: None

1/2 Science credit each semester

Laboratory safety, experimental design, problem-solving skills, and graphical analysis will be utilized in the study of forces and motion in one dimension. This course is designed to challenge the top ten percent of students. It is more intensive and requires more critical thinking than Forces & Motion in One-Dimension. 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.

SCIENCE

137150

Biology 2: Evolution & Ecology

Infinite Campus Name: **BIO 2 EVOL**

Grade(s): 09 - 10

Prerequisite: Biology 1: Cells and Variation

1/2 Science credit each semester

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

138150

Honors Bio 2: Evol & Ecology

Infinite Campus Name: **+BIO 2 EVOL**

Grade(s): 09 - 10

Prerequisite: Honors Biology 1: Cells & Variation or departmental approval

1/2 Science credit each semester

This second semester 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.

137160

Bio 3: Biotech & Systems

Infinite Campus Name: **BIO 3 TECH**

Grade(s): 10 - 12

Prerequisite: Biology 2: Evolution & Ecology, Matter & Change or Chemistry departmental approval

1/2 Science credit each semester

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

SCIENCE

138160

Honors Bio 3:Biotech & Systems

Infinite Campus Name: **+BIO 3 TECH**

Grade(s): 10 - 12

Prerequisite: Honors Biology 2: Evolution and Ecology, Honors Matter & Change or departmental approval
1/2 Science credit each semester

This course completes the initial college preparatory sequence and has the themes: How does biotechnology impact life? and How is life organized for success? The students will investigate a variety of concepts such as DNA fingerprinting and genetic engineering. Students will explore and compare microbes, plants, and animals (including humans) at the system and molecular levels. Other topics will include metabolism and disease. These topics will be presented through numerous laboratory activities and will emphasize process and thinking skills. This course is designed to challenge the top ten percent of students. It is more intensive and requires increased levels of critical thinking and mathematical reasoning. It is designed for the student who anticipates a science-based career, desires an accelerated science program, and intends to take advanced courses in science. A weighted grade is given.

137201/137202

Chemistry

Infinite Campus Name: **CHEMISTRY**

Grade(s): 10 - 12

Prerequisite: Biology 1 and 2, Matter and Change, and Algebra 1 with a C or better, or departmental approval
1/2 Science credit each semester

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

Honors Chemistry

Infinite Campus Name: **+CHEM**

Grade(s): 10 - 12

Prerequisite: Biology 1 and 2, Honors Matter and Change and C or better in Algebra 1 or departmental approval
1/2 Science credit each semester

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

SCIENCE

137241/137242

Principles of Chemistry

Infinite Campus Name: **PRINCIPLES OF CHEMISTRY**

Grade(s): 09 - 12

Prerequisite: Biology 1 & 2, Matter and Change, and Algebra 1 or department approval
1/2 Science credit each semester

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

137301/137302

Physics

Infinite Campus Name: **PHYSICS**

Grade(s): 11 - 12

Prerequisite: Forces & Motion in 1D, Algebra 2 / Trig, or departmental approval
1/2 Science credit each semester

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.

137400

Animal Behavior

Infinite Campus Name: **ANIMAL BEHVR**

Grade(s): 11 - 12

Prerequisite: C or better in Bio 1 and Bio 2
1/2 Science credit each semester

This course is designed for students to gain an understanding of behavioral research. Students will learn the basics of experimental design and statistical analysis of results. Students will investigate animal response, mating strategies, habitat usage, and social behaviors. Students interested in human behaviors and psychology will find this course a valuable tool in understanding research based psychology and sociology

SCIENCE

137450

Zoology

Infinite Campus Name: **ZOOLOGY**

Grade(s): 11 - 12

Prerequisite: C or better in Bio 1 and Bio 2

1/2 Science credit each semester

Zoology is a semester course introducing students to the diverse animal kingdom with a survey of invertebrate and vertebrate animals. Students will study animals' characteristics and examples of each class. This course includes studies of the relationship between organisms and the environment, including physical and biological conditions.

137461/137462

Human Anatomy & Physiology (Honors Option)

Infinite Campus Name: **HUM ANATOMY**

Grade(s): 11 - 12

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

1/2 Science credit each semester

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.

137470

Medical Science

Infinite Campus Name: **MEDICAL SCI**

Grade(s): 11 - 12

Prerequisite: Biology 1: Cells & Systems and Biology 2: Evolution & Ecology

1/2 Science credit each semester

The nature of human health and disease is stressed with an emphasis on normal functioning of tissues, organs and systems versus pathologic conditions. Major units will include cardiovascular, respiratory, endocrine, and immune systems. A medical vocabulary will be taught along with each unit. Information will be taught through lecture, dissection, group work, and discussion.

137480

Forensic Sciences

Infinite Campus Name: **FORENSIC SCI**

Grade(s): 11 - 12

Prerequisite: Recommended C or better in Biology 1 and 2, Matter & Change and Forces in Motion

1/2 Science credit each semester

SCIENCE

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

Infinite Campus Name: **GEOLOGY**

Grade(s): 11 - 12

Prerequisite: Biology 1 & 2, Matter & Change, and Forces

1/2 Science credit each semester

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.

137500

Environmental Science

Infinite Campus Name: **ENVIRONMENTAL SCIENCE 1**

Grade(s): 11 - 12

Prerequisite: One credit of Biology and Junior or Senior Class standing

1/2 Science credit each semester

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 & Meteorology

Infinite Campus Name: **ASTRO/METEOR**

Grade(s): 11 - 12

Prerequisite: Biology 1 & 2, Matter & Change, and Forces

1/2 Science credit each semester

Astronomy and Meteorology is designed to explore and understand the world around us. What factors influence weather? How do we predict weather? How has 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.

SCIENCE

139151/139152

AP Biology

Infinite Campus Name: **+AP BIOLOGY**

Grade(s): 11 - 12

Prerequisite: 2 Semesters of Biology or Biology Honors, 2 Semesters of Chemistry or Chemistry Honors
1/2 Science credit each semester

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

139501/139502

AP Environmental Science

Infinite Campus Name: **+AP ENVIROSCI**

Grade(s): 11 - 12

Prerequisite: 1 credit of Biology, 1 credit Chemistry (Chemistry may be taken concurrently)
1/2 Science credit each semester

Advanced Placement 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.

139251/139252

AP Chemistry

Infinite Campus Name: **+AP CHEM**

Grade(s): 11 - 12

Prerequisite: Chemistry or Honors Chemistry or department approval
1/2 Science credit each semester

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

139321/139322

AP Physics C: Mechanics

Infinite Campus Name: **+AP PHYS C:M**

Grade(s): 11-12

Prerequisite: + Forces and Motion and concurrent enrollment in +Pre-Calculus
1/2 Science credit each semester

SCIENCE

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.

139411/139412

AP Physics 1

Infinite Campus Name: **+AP PHYSICS 1**

Grade(s): 11 - 12

Prerequisite: Honors Forces & Motion or departmental approval, Honors Algebra 2 / Trig
1/2 Science credit each semester

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

139421/139422

AP Physics 2

Infinite Campus Name: **+AP PHYSICS 2**

Grade(s): 12

Prerequisite: Physics, AP Physics 1 or AP Physics C, Pre-Calculus
1/2 Science credit each semester

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.

137930

Science Laboratory Assistant

Infinite Campus Name: **LAB ASST**

Grade(s): 11 - 12

Prerequisite: B average in Science, Junior or Senior standing, departmental approval
1/2 Electives credit each semester

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, using 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.

SOCIAL STUDIES

REQUIRED COURSES

9th GRADE

MODERN UNITED STATES HISTORY OR MODERN UNITED STATES HISTORY (HONORS)

10th GRADE

WORLD HISTORY OR AP WORLD HISTORY (HONORS)

11th GRADE

UNITED STATES GOVERNMENT OR AP GOVERNMENT & POLITICS – AP COMPARATIVE GOVERNMENT & POLITICS

To fulfill the current graduation requirement in Social Studies beyond 10th grade, the student must earn one-half elective credit in Social Studies, in addition to the state mandated Government course.

9th GRADE

157001/157002

Modern United States History

Infinite Campus Name: **MOD US HIST**

Grade(s): 09

Prerequisite: None

1/2 Social Studies credit each semester

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

Modern United States History, Honors

Infinite Campus Name: **+US HIST**

Grade(s): 09

Prerequisite: None

1/2 Social Studies credit each semester

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.

SOCIAL STUDIES

10th GRADE

157011/157012

World History: The Modern Era

Infinite Campus Name: **WORLD HIST**

Grade(s): 10

Prerequisite: None

1/2 Social Studies credit each semester

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

AP World History

Infinite Campus Name: **+AP WRLD HIS**

Grade(s): 10 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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

11TH GRADE

157100

United States Government

Infinite Campus Name: **GOVERNMENT**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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

SOCIAL STUDIES

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. 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.

159121/159122

AP US Government & Politics and AP Comparative Government & Politics

Infinite Campus Name: **+AP GOV/COMP**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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 government of the United States is compared with the governments of other industrialized democracies as well as the political systems of Communist states and developing countries. Students investigate the rich diversity of political life, structures, institutions, processes, policies, and change over time across the globe. The course includes the End of Course Assessment and The Constitution examination(s), as required by the state of Missouri. Students must pass The Constitution examination(s) to meet state graduation requirements. This course prepares students for the AP US Government & Politics and the AP Comparative Government & Politics exams. Students have the option to earn college credit through the AP examination. A weighted grade is given.

ELECTIVES 11TH – 12TH GRADE

157350

History of St. Louis

Infinite Campus Name: **HIS ST LOUIS**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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 will culminate with an examination of the city as it now exists. The course will discuss individuals who are important to the development of the city, but will emphasize the significant contributions (e.g. architecture, music, art) of the culturally diverse people who have made the city of St. Louis what it is today. The course will culminate with students examining and debating contemporary, as well as future issues that face our community.

SOCIAL STUDIES

157370

Media in America

Infinite Campus Name: **MEDIA&AMER**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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.

157700

Economics

Infinite Campus Name: **ECONOMICS**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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.

157750

Crime and the Law

Infinite Campus Name: **CRIME & LAW**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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

SOCIAL STUDIES

157760

Contemporary Issues

Infinite Campus Name: **CONTMP ISSUE**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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

157790

Sociology

Infinite Campus Name: **SOCIOLOGY**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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

157800

Psychology

Infinite Campus Name: **PSYCHOLOGY**

Grade(s): 12

Prerequisite: None

1/2 Social Studies credit each semester

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

SOCIAL STUDIES

157820

Environmental Issues

Infinite Campus Name: **ENVRNMT ISSU**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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.

157830

Modern Warfare

Infinite Campus Name: **MRDN WARFARE**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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? 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.

157860

Rap, Rock, and Jazz: History Through Pop Music

Infinite Campus Name: **RAP ROCK JAZZ HISTORY**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

Art reflects culture, and culture reflects the art. This course will examine the birth and growth of the blues, jazz, rock, and hip-hop over the course of the 20th century to the present. We will look at how these art forms are interrelated, and how each has developed, morphed and redefined themselves over time. Moreover, we will study the cultural, social, and political context that fostered their genesis and evolution, as well as the people associated with them.

SOCIAL STUDIES

HONORS & AP ELECTIVES 11TH – 12TH GRADE

159301/159302

AP United States History

Infinite Campus Name: **+AP US HIST**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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

159511/159512

AP Human Geography

Infinite Campus Name: **+AP HUM GEO**

Grade(s): 11 - 12

Prerequisite: None

1/2 Social Studies credit each semester

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

159801/159802

AP Psychology

Infinite Campus Name: **+AP PSYCHOLO**

Grade(s): 12

Prerequisite: None

1/2 Social Studies credit each semester

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

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

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.

➤ **Special Education Services In A Special Education Setting Strategies Classes**

(e.g., Writing Strategies and Math Strategies)

These courses follow specific research-based curricula 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. Instruction is tailored specifically to meet IEP goals and to increase the academic skills of students performing below grade level. 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 student's needs/goals/objectives. Individualized Instruction courses count toward the required elective credits for graduation.

➤ **Work Experience (WORK EXP)**

Work Experience also known as Community-Based Vocational Instruction (CBVI) is designed to help high school students with IEP's who have post-secondary goals for competitive or supported employment. CBVI helps students learn appropriate work behaviors and introduces them to industry standards in a real-life vocational setting. Worksites are developed close to or within the high school. Transportation to off-campus work sites is provided and students are under the supervision of a special education teacher. Teachers record student progress on work skills and or appropriate behaviors or soft skills needed in order to be successful in meeting post-secondary goals for employment. Work Experience courses count toward the required elective credits for graduation. (This is a special education course and the setting is considered general education.)

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

SPEECH

057600

Human Communication

Infinite Campus Name: **HUMAN COMMUNICATION**

Grade(s): 09 - 12

Prerequisite: None

1/2 Electives credit each semester

Communication skills and behaviors are the focus of this course. Topics include the communication process, the importance of feedback, verbal and nonverbal skills, listening skills, and intrapersonal, interpersonal, and small group communication. Projects, activities, role playing, discussion, and written assignments help students evaluate and improve their own skills in communication. Evaluation is based on participation, discussion, quizzes, and written and oral assignments.

057630

Public Speaking

Infinite Campus Name: **PUBLIC SPEAKING**

Grade(s): 09 - 12

Prerequisite: None

1/2 Electives credit each semester

Public Speaking builds confidence and poise. Students present a wide variety of speeches in an informal classroom atmosphere. Self-expression through speaking, listening, and critical thinking is emphasized. Evaluation is based on performance, criticism and reflection. College credit may be available for this course. Check with your instructor. This class is a prerequisite option for Competitive Speech and Debate.

057660

Debate

Infinite Campus Name: **DEBATE**

Grade(s): 09 - 12

Prerequisite: Open to freshmen and sophomores with a B average or higher. Open to all interested juniors and seniors

1/2 English credit each semester

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 .5 English credit, but may not replace English 1, 2, or 3.

057670

Competitive Speech & Debate

Infinite Campus Name: **COMPETITIVE SPEECH AND DEBATE**

Grade(s): 10 - 12

Prerequisite: One of the following: Debate, Public Speaking, or Actors Studio 1/Foundations of Acting

1/2 Electives credit each semester

SPEECH

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

Advanced Competitive Speech & Debate

Infinite Campus Name: **+ADV COMP SPEECH AND DEBATE**

Grade(s): 11 - 12

Prerequisite: Competitive Speech & Debate

1/2 Electives credit each semester

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. This course can be taken more than once. Speech and Debate team participation is a requirement of this course. A weighted grade is given.

057700

Broadcast & Production

Infinite Campus Name: **BROADCAST AND PRODUCTION**

Grade(s): 09 - 12

Prerequisite: none

1/2 Electives credit each semester

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

Infinite Campus Name: **ADV BROADCAST & PRODUCTION**

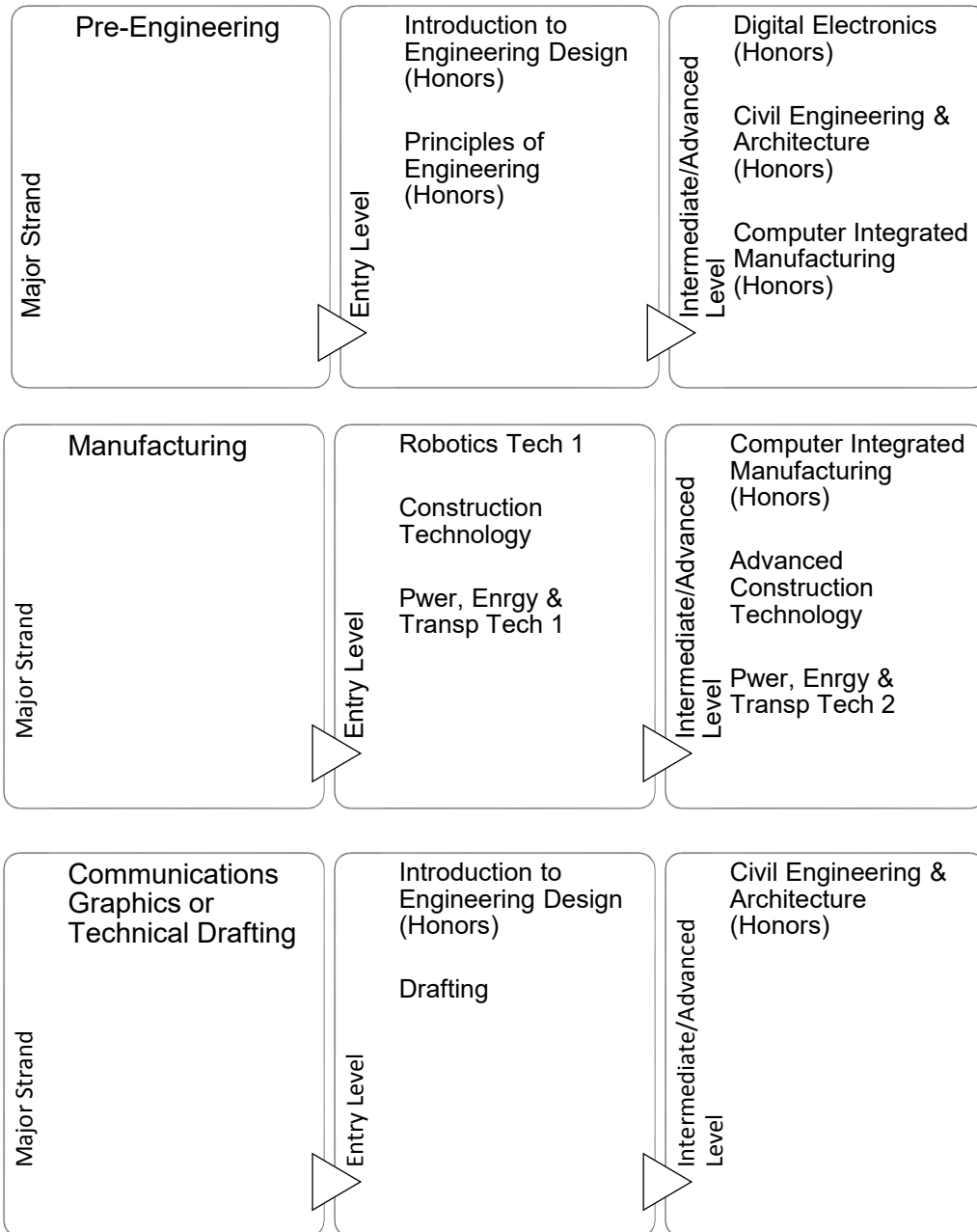
Grade(s): 10 - 12

Prerequisite: One of the following: Broadcast & Production, Multimedia

1/2 Electives credit each semester

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.

TECHNOLOGY AND ENGINEERING EDUCATION



TECHNOLOGY & ENGINEERING EDUCATION

108711/108712

Honors Introduction to Engineering Design

Infinite Campus Name: **+INT ENG DSN**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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

Honors Principles of Engineering

Infinite Campus Name: **+PRIN OF ENG**

Grade(s): 10 - 12

Prerequisite: None

1/2 CTE credit each semester

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

Honors Digital Electronics

Infinite Campus Name: **+DIGITAL ELEC**

Grade(s): 10 - 12

Prerequisite: None

1/2 CTE credit each semester

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,

TECHNOLOGY & ENGINEERING EDUCATION

Boolean Algebra and circuit design, decoders, multiplexers and demultiplexers. Students can receive 3 semester hours of transcribed college credit. A weighted grade is given for this course.

108201/108202

Honors Civil Engineering and Architecture

Infinite Campus Name: **+CIVIL ENGI ARCH**

Grade(s): 10 - 12

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

1/2 CTE credit each semester

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.

108211/108212

Honors Computer Integrated Manufacturing

Infinite Campus Name: **+COMP INT MAN**

Grade(s): 10 - 12

Prerequisite: Robotics, Any PLTW Class, or Teacher Approval

1/2 CTE credit each semester

This is an honors course that applies the principles of robotics and automation. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing and design analysis are included. Students will utilize RoboCell, Edge Cam, and Inventor software throughout the course. Students will also learn about G-code programming and tooling for CNC machining. Students can receive 3 semester hours of transcribed college credit. A weighted grade is given for this course.

107680

Robotics Technology 1

Infinite Campus Name: **ROBOTICS TECH**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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.

TECHNOLOGY & ENGINEERING EDUCATION

107070

Drafting

Infinite Campus Name: **DRAFTING**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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.

107500

Construction Technology

Infinite Campus Name: **CONSTR TECH**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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

Infinite Campus Name: **ADV CONS TCH**

Grade(s): 09 - 12

Prerequisite: Construction Technology

1/2 CTE credit each semester

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.

TECHNOLOGY & ENGINEERING EDUCATION

107050

Power, Energy, and Transportation Technology 1

Infinite Campus Name: **PWR/EGY TEC1**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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.

107060

Power, Energy, and Transportation Technology 2

Infinite Campus Name: **PWR/EGY TEC2**

Grade(s): 09 - 12

Prerequisite: Power, Energy and Transportation Technology 1

1/2 CTE credit each semester

Engineering and technology students experience electrical, fluids, thermal and mechanical energy applications. The students use the knowledge and skills learned in Power, Energy and Transportation 1 to solve problems associated with power, energy and transportation systems. Students research transportation systems topics. Students learn about small engines by removing parts of the engine and assembling them to restore the engines to running condition. Once the engine is running, the student couples it to drive hydraulic, pneumatic, or electrical output devices to provide direct application of the scientific principles supporting the power and energy application. In addition, students explore careers in power and energy technology. Students may be asked to purchase consumables.

107120

Design and Technology 1

Infinite Campus Name: **DESIGN TECH 1**

Grade(s): 09 - 12

Prerequisite: None

1/2 CTE credit each semester

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.

THEATRE

057720

Introduction to Theatre

Infinite Campus Name: **INTRO TO THEATRE**

Grade(s): 09 - 12

Prerequisite: None

1/2 Fine Arts credit each semester

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

Infinite Campus Name: **COMEDY IN ACTION**

Grade(s): 09 - 12

Prerequisite: Previous theatre experience or permission of instructor

1/2 Fine Arts credit each semester

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.

057740

Advanced Comedic Performance

Infinite Campus Name: **ADV COMEDIC PERFORMANCE**

Grade(s): 10 - 12

Prerequisite: Comedy in Action or membership in school Improv Team and permission of instructor

1/2 Fine Arts credit each semester

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

Prerequisite: Grade of B or better in Comedy in Action

057760

Technical Design and Construction

Infinite Campus Name: **TECH DESIGN AND CONSTR**

Grade(s): 09 - 12

Prerequisite: Permission of Instructor

1/2 Fine Arts credit each semester

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.

THEATRE

057800

Foundations of Acting

Infinite Campus Name: **FOUNDATIONS OF ACTING**

Grade(s): 10 - 12

Prerequisite: Introduction to Theatre or permission of instructor

1/2 Fine Arts credit each semester

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

057810

Advanced Acting (Honors Option)

Infinite Campus Name: **ADVANCED ACTING**

Grade(s): 10 - 12

Prerequisite: Foundations of Acting or permission of instructor

1/2 Fine Arts credit each semester

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

Prerequisite: Grade of C or better in Foundations of Acting

Honors Option: available for grades 10-12

057820

Directing (Honors Option)

Infinite Campus Name: **DIRECTING**

Grade(s): 12

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

1/2 Fine Arts credit each semester

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 Actor's Studio 2 is required, as well as time commitment after school. An Honors grade may be earned.

127730

Performing for Musical Theatre

Infinite Campus Name: **PERF FOR MUS THEATRE**

Grade(s): 09 - 12

Prerequisite: Permission of vocal and drama instructors

1/2 Fine Arts credit each semester

This course will introduce students to the performance techniques of musical theatre, including vocal, acting and dance. Students will participate in performances of musical theater scenes and songs. Students should expect some homework and performance outside of class time.

THEATRE

Prereq – 9th-12th grade - previous acting, singing, or dance experience is helpful but not required.
[NOTE: In some buildings, may alternate with another course]

057950

Theatre Mentor

Infinite Campus Name: **DRAMA/THEATRE MENTOR**

Grade(s): 10 - 12

Prerequisite: Previous Theatre Class or Permission from Instructor

1/2 Electives credit each semester

This course will give students the opportunity to use and improve their performance skills by mentoring others as they serve as assistants for students with physical and/or developmental disabilities who are enrolled in Theatre Arts. Students will take on the role of 'scene partners' to provide leadership and ensemble in a variety of performance activities in a theatre studio setting.

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 that they can acquire skills, knowledge, and empathetic attitudes important for living and working in a multi-lingual, multicultural 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. All Level 4 courses have Honors options and are for junior and seniors. All Level 5 courses are designated Honors courses. Juniors and seniors who qualify may have the option of earning college credit. See department leader.

WORLD LANGUAGES COURSE SEQUENCE

1	French 1	Latin 1	Spanish 1
2	French 2	Latin 2	Spanish 2
3	French 3	Latin 3	Spanish 3
4	French 4 (Honors)	Latin 4 (Honors)	Spanish 4 (Honors)
All Level 4 courses: Honors Option, Juniors & Seniors only			
5	French 5 (AP)	Latin 5 (AP)	Spanish 5 (AP)

067011/067012

French 1

Infinite Campus Name: **FRENCH 1**

Grade(s): 09 - 12

Prerequisite: None

1/2 Electives credit each semester

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.

WORLD LANGUAGES

067021/067022

French 2

Infinite Campus Name: **FRENCH 2**

Grade(s): 09 - 12

Prerequisite: French 1: French A/B 1/2 Electives credit each semester

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

French 3

Infinite Campus Name: **FRENCH 3**

Grade(s): 10 - 12

Prerequisite: French 2

1/2 Electives credit each semester

French 3 students will be able to communicate more freely and creatively in the French language. Students will study the history and culture of various regions to better make connections within the cultures of the French-speaking world and the United States. At the end of French 3, students will be able to use the language to understand and communicate in many different situations. Emphasis will be on learning to elaborate in formal and informal situations in French. *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.*

067041/067042

Honors French 4

Infinite Campus Name: **FRENCH 4**

Grade(s): 11 - 12

Prerequisite: French 3

1/2 Electives credit each semester

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.*

WORLD LANGUAGES

068051/068052

French 5 (AP French Language and Culture)

Infinite Campus Name: **+FRENCH 5**

Grade(s): 12

Prerequisite: French 4

1/2 Electives credit each semester

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, as determined by the university granting credit and standards set by the Missouri Department of Education. Those wanting to earn AP credit may also choose to take the Advanced Placement French Language and Culture Exam. A weighted grade is given.*

067211/067212

Latin 1

Infinite Campus Name: **LATIN 1**

Grade(s): 09 - 12

Prerequisite: None

1/2 Electives credit each semester

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

Latin 2

Infinite Campus Name: **LATIN 2**

Grade(s): 09 - 12

Prerequisite: Latin 1 or A/B

1/2 Electives credit each semester

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

WORLD LANGUAGES

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

Latin 3

Infinite Campus Name: **LATIN 3**

Grade(s): 10 - 12

Prerequisite: Latin 2

1/2 Electives credit each semester

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.

067241/067242

Honors Latin 4

Infinite Campus Name: **LATIN 4**

Grade(s): 11 - 12

Prerequisite: Latin 3

1/2 Electives credit each semester

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

068251/068252

Latin 5 (AP Latin)

Infinite Campus Name: **+LATIN 5**

Grade(s): 12

Prerequisite: Latin 4

1/2 Electives credit each semester

This course will include readings of extended portions of Latin writers, e.g., Virgil, Cicero, Ovid, Pliny, Horace, Catullus. Readings will be selected to serve the needs and interests in the class. The works will be discussed in detail, using methods of literary analysis and developing historical background. *Those wanting to earn AP credit may also choose to take the Advanced Placement Latin Language and Culture Exam. A weighted grade is given.*

WORLD LANGUAGES

067311/067312

Spanish 1

Infinite Campus Name: **SPANISH 1**

Grade(s): 09 - 12

Prerequisite: None

1/2 Electives credit each semester

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

Spanish 2

Infinite Campus Name: **SPANISH 2**

Grade(s): 09 - 12

Prerequisite: Spanish 1/Spanish A/B 1/2 Electives credit each semester

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

Spanish 3

Infinite Campus Name: **SPANISH 3**

Grade(s): 10 - 12

Prerequisite: Spanish 2

1/2 Electives credit each semester

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.*

WORLD LANGUAGES

067341/067342

Honors Spanish 4

Infinite Campus Name: **SPANISH 4**

Grade(s): 11 - 12

Prerequisite: Spanish 3

1/2 Electives credit each semester

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.*

068351/068352

Spanish 5 (AP Spanish Language and Culture)

Infinite Campus Name: **+SPANISH 5**

Grade(s): 12

Prerequisite: Spanish 4

1/2 Electives credit each semester

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 Advanced Placement Spanish Language and Culture Exam. A weighted grade is given.*

SPECIAL OFFERINGS

Students who are interested should contact their counselor regarding the process for enrolling in these courses

998001/998002

A+ Tutoring Cadet Teaching

Infinite Campus Name: **A+ TUTOR**

Grade(s): 11 - 12

Prerequisite: Junior or senior standing and enrolled in the A+ Program. The student must have a career GPA of 2.5 or better. (Max Enrollment: 1 Class per day). The student is limited to 1.000 credit total in Cadet Teaching

1/2 Electives credit each semester

This course provides students with an opportunity to tutor individual students one-on-one or in a small group setting in order to fulfill the 50 hours of tutoring requirements for the A+ Program. Students are assigned as classroom assistants to a teacher at South High or at one of the feeder schools. To be eligible for A+ Tutoring Cadet Teaching, the student must complete an A+ Tutoring Cadet Teaching Application form prior to registration. On that form, the student must select specific grade levels and subject areas for which he or she can tutor. Students must also attend a training session at the beginning of the semester in order to receive credit for tutoring hours. Completed forms should be submitted to the Career and Counseling Center together with the student's registration form. Transportation to the feeder schools is the responsibility of the student.

997001/997002

Cadet Teaching

Infinite Campus Name: **CADET TEACH**

Grade(s): 12

Prerequisite: Senior Standing. The student must have a career GPA of 2.5 or better and show competency in the grade and subject areas for which he/she will be tutoring. Maximum enrollment of one class per day. The student is limited to 1 credit total in Cadet Teach.

1/2 Electives credit each semester

Cadet teachers assist classroom teachers at South High and surrounding elementary and middle schools with a variety of tasks. Any senior requesting Cadet Teaching must be complete the online Cadet Teaching Application found at <http://tinyurl.com/psouthcadetapp>. Students will be assigned based on teacher need and student expertise/interest. Cadet Teaching receives a pass/fail grade. Students must have a 2.5 GPA.

Independent Study Activities

Infinite Campus Name: **INDEP STUDY**

Grade(s): 12

Prerequisite: Senior Standing

1/2 Electives credit each semester

This program is designed to give students learning experiences, which are not available in the traditional program. Students may pursue an area of interest through Independent Study Activities by special agreement with an instructor and approval by the coordinator. By extending the classroom, students may have the opportunity to perform a community service, to do special research in an area of interest, to study on a college campus, or to explore a career. Students should see their counselor for details.

SPECIAL OFFERINGS

990070

Dual Enrollment

Infinite Campus Name: **DUAL ENROLL**

Grade(s): 12

Prerequisite: Senior Standing

Electives credit each semester

Seniors are given the opportunity to expand their high school schedule by attending college during the school day. To qualify for the dual enrollment program, seniors must fulfill the following requirements:

- Have a cumulative GPA of 2.5 or higher
- Send a high school transcript to the college admissions office
- High School administrators permission
- Complete required entry assessment tests

Local colleges and junior colleges cooperate with South High in providing education opportunities for seniors who desire to investigate career options and earn college credit while continuing to attend high school on a partial schedule. In the junior year, students should investigate with their counselor ways to merge their schedule with enrollment in college classes.

992010

Service Learning

Infinite Campus Name: **SERVICE LRNG**

Grade(s): 12

Prerequisite: Senior Standing

1/2 Electives credit each semester

This Service Learning course provides senior students an alternative educational opportunity to work in the community as an intern or volunteer. It allows those students who have met most of the standard graduation requirements a chance to explore and positively impact community needs. This class meets several times during the semester and also offers release time to complete a service project/internship. Students may earn 25 hours of community service for the A+ Schools program. Students should see their counselor for details relating to requirements and scheduling.

PARKWAY choice programs

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

spark!

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

207491 & 207492

SPARK! BIOSCIENCE

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

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

207431 & 207432

SPARK! ENGINEERING

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

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

207461 & 207462

SPARK! INCUBATOR

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

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

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

Grade: 12

2 Elective credits

Prerequisite: Senior standing

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

207541/207542**SPARK! SPORTS MEDICINE**

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

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

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

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

Grades: 11-12

2 Elective credits

Prerequisite: Junior or Senior standing

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

207401 & 207402**SPARK! TECHNOLOGY SOLUTIONS**

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

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

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

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.

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://parkwayecp.com) available at parkwayecp.com.
- Students are responsible for their own transportation to and from STLCC-Wildwood.

How are students selected for the ECP?

A committee of administrators and counselors will review:

- Classroom performance for courses taken in 9th and 10th grade
- Attendance
- Academic potential
- Academic engagement
- Time-management skills
- Access to post-secondary learning
- Cumulative GPA of 2.5 or higher*
 - *Students with a GPA below 2.5 may apply but will require one recommendation from a Parkway staff member
- Discipline history
- ACT results (if applicable)
- 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.

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

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

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

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

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

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

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

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

Who pays for the ECP?

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

How will students receive high school credit?

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



St. Louis Community College at Wildwood

fern ridge

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

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

SOUTH TECH

Who should apply?

- Current 10th & 11th grade students
- Students enrolled and in good standing at their home high school

How are programs offered?

- South Tech's programs are designed to be a two-year, real world immersion into a college major and career. Most students begin in their junior year and continue their senior year. Some one-year senior opportunities are available. Please ask the South Tech Admissions Representative for more information.
- All programs are half-day:
 1. Take academic classes at your home school
 2. Take technical classes at South Tech
 3. CTE credits are sent to your home school and included on your transcript

How do you apply?

- See your counselor
- Applications are available online at <http://www.southtechnical.org>

When do you apply?

- The year before you would like to attend; select programs will accept juniors in January. Talk to your Admissions Representative to see if you would be eligible.

Want more information?

- Visit our website: <http://www.southtechnical.org>
- Contact your Admissions Representative, Katie Miller, at 314.989.7472 or the Admissions Office at 314.989.8521.

NOTE: Parkway may accept credits awarded by the SSD 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 course work 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

AUTO COLLISION REPAIR

Auto Collision Repair 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. COLLEGE CREDIT OFFERED: Universal Technical Institute, 12 units. CERTIFICATIONS OFFERED: Automobile Service Excellence (ASE) Student Certification in Nonstructural/Paint & Refinishing, S/P2 Safety Certification*

AUTOMOTIVE TECHNOLOGY

Automotive Technology 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. COLLEGE CREDIT OFFERED: Universal Technical Institute, 12 units. CERTIFICATIONS OFFERED: Automobile Service Excellence (ASE) Student Certification in Brakes, Electrical, Engine Performance, Suspension, S/P2 Safety Certification*

CARPENTRY Grade: 12 Only

Carpentry - 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One. PRE-REQUISITES AT TIME OF SENIOR YEAR ENROLLMENT: Minimum of 11 core credits (2.5 must be English), on track to graduate. COLLEGE CREDIT OFFERED: St. Louis Community College, 6 credits. APPRENTICESHIP CREDIT OFFERED: Carpenter's Apprentice, 1 - 3 days of Pre-Employment Course, 1 specialty or elective unit of training, advanced placement testing in related areas per joint agreement with the St. Louis Carpenters Joint Apprenticeship Program • Construction Craft Laborers - credit for 40 hours of apprentice training and 500 hours of on-the-job training. CERTIFICATIONS OFFERED: Home Builders Institute (HBI) – Pre-Apprenticeship Training Core Certification • Occupational Safety and Health Administration (OSHA) – 10 hour Construction Industry*

CISCO-NETWORKING ACADEMY

Cisco Networking Academy is an honors course in which students learn how to design, install and troubleshoot complex computer networks. They will navigate a variety of projects as they complete Cisco's online curriculum in preparation for their certification exams. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English, 1 must be Algebra), on track to graduate. COLLEGE CREDIT OFFERED: St. Louis Community College, 10 credits • St. Charles Community College, 25 credits • Jefferson College, 5 credits. CERTIFICATIONS OFFERED: CompTIA A+ Certification, Cisco Certified Entry Level Network Technician (CCENT) Certification*

SOUTH TECH

CONSTRUCTION INNOVATIONS

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 senior year. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. CERTIFICATIONS OFFERED: Home Builders Institute (HBI) – Pre-Apprenticeship Training Core Certification • Occupational Safety and Health Administration (OSHA) – 10 hour Construction*

COSMETOLOGY

Cosmetology 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 all of the hours required to take their Missouri State Board certification exam to become a licensed cosmetologist. ****Students MUST begin this program at the start of their junior year - no mid-year or senior enrollment is available.** *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits and 12 total credits (1.5 must be English), on track to graduate. CERTIFICATIONS OFFERED: Cosmetology Missouri State Board of Certification*

CULINARY ARTS

Culinary Arts 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. COLLEGE CREDIT OFFERED: St. Louis Community College, 5 credits • Sullivan University, 3 credits • Illinois Institute of Art, 20 1/4 hours • Johnson and Wales University, 13.5 1/4 hours • Robert Morris University, 9 1/4 hours. CERTIFICATIONS OFFERED: American Culinary Federation Certification • Servsafe Certification*

DENTAL SCIENCES

Dental Sciences gives students a clinical experience in the classroom and through internships available during the senior year. Our modern operatory allows students to conduct mock exams and perform X-rays, preventative practices, and emergency care using professional dental equipment. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 2 CTE & 1 Science in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. COLLEGE CREDIT OFFERED: Missouri Baptist University, Dual Credit, 8 credits. CERTIFICATIONS OFFERED: Dental Assisting National Board, Missouri Test of Basic Dental Assisting Skills • CPR Certification • Permit to Assist The Administration of and Monitor Nitrous Oxide Analgesia*

SOUTH TECH

Design & Entrepreneurship

Design & Entrepreneurship is an engaging program that 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. CERTIFICATIONS OFFERED: Occupational Safety and Health Administration (OSHA) – 10 hour Certification*

EARLY CHILDHOOD EDUCATION

Early Childhood Education turns students into 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. 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*

ELECTRICAL TRADES Grade: 12 Only

Electrical Trades teaches students 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One PRE-REQUISITES AT TIME OF SENIOR YEAR ENROLLMENT: Minimum of 11 core credits (2.5 must be English, 1 must be Algebra), on track to graduate. COLLEGE CREDIT OFFERED: American Trade School, 12 ¼ hours. APPRENTICESHIP CREDIT OFFERED: Construction Craft Laborers - credit for 40 hours of apprentice training and 500 hours of on-the-job training. CERTIFICATIONS OFFERED: Home Builders Institute (HBI) – Pre-Apprenticeship Training Core Certification • Occupational Safety and Health Administration (OSHA) – 10 hour Construction Industry*

Electronics & Robotics Engineering

Electronics & Robotics Engineering explores 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. 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, and Digital Electronics*

SOUTH TECH

EMERGENCY MEDICAL TECHNICIAN

Emergency Medical Technician is real world emergency scenarios aid as students are trained to perform detailed trauma patient assessments using advanced medical and diagnostic equipment. Operation of emergency response and rescue vehicles is also a course component. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One. PRE-REQUISITES AT TIME OF SENIOR YEAR ENROLLMENT: Minimum of 11 core credits (2.5 must be English, 2 must be math, 1 must be lab based science), 17 total credits, on track to graduate. ADDITIONAL PREREQUISITES AT TIME OF APPLICATION: "C" or higher in last semester of English, 1 credit of Algebra or concurrent enrollment projected. COLLEGE CREDIT OFFERED: St. Louis Community College, 10 credits. CERTIFICATIONS OFFERED: Emergency Medical Technician Basic certification through National Registry, National First Responder certification, Hazardous Materials Awareness and Operations certification*

FIREFIGHTING

Firefighting is an academy level course that allows students to do the bulk of their required Fire Academy hours at the high school level. Using a wide range of firefighting and life-saving equipment, students develop their skills through rigorous mental and physical training while learning the foundational skills required for Fire 1 and Fire 2 certifications. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One. PRE-REQUISITES AT TIME OF JUNIOR ENROLLMENT: Minimum of 7 core credits (1.5 must be English, 1 must be math, 1 must be lab based science), on track to graduate. ADDITIONAL PREREQUISITES AT TIME OF APPLICATION: "C" or higher in last semester of English, 1 credit of Algebra or concurrent enrollment projected. CERTIFICATIONS OFFERED: Basic Firefighter certification, National First Responder*

FLOOR LAYERS MIDDLE APPRENTICESHIP Grade: 12 Only

Floor Layers Middle Apprenticeship allows students to 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One. PRE-REQUISITES AT TIME OF SENIOR YEAR ENROLLMENT: Minimum of 11 core credits (2.5 must be English), on track to graduate. APPRENTICESHIP CREDIT OFFERED: U.S. Department of Labor Journey Level Certificate – this certificate can be articulated into college credit with Ivy Tech Community College of Indiana and completes all but 5 courses required to earn an Associate's degree in Applied Science. CERTIFICATIONS OFFERED: Home Builders Institute (HBI)– Pre-Apprenticeship Training Core Certification • Occupational Safety and Health Administration (OSHA) – 10 hour Construction Industry Certification*

GRAPHIC DESIGN

Graphic Design channels 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 will produce a professional portfolio of their work to share with prospective colleges and employers upon graduation. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One,*

SOUTH TECH

3 CTE in Year Two. *PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. COLLEGE CREDIT OFFERED: St. Louis Community College, 3 credits. CERTIFICATIONS OFFERED: Adobe certifications*

HEALTH SCIENCES

Health Sciences 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. ****Students MUST begin this program at the start of their junior year - no mid-year or senior enrollment is available.** *HIGH SCHOOL CREDIT OFFERED: 2 CTE & 1 Science in Year One, 3 CTE in Year Two. PREREQUISITES AT TIME OF SENIOR ENROLLMENT: Minimum of 7 core credits (1.5 must be English, 1 must be science), on track to graduate, must be 16 years old on the first day of class. ADDITIONAL PREREQUISITES AT TIME OF APPLICATION: "C" or higher in all completed science coursework, 1 credit of Biology or concurrent enrollment projected, 2.0 minimum GPA. ARTICULATING INSTITUTIONS & CREDIT OFFERED: St. Louis Community College, 4 credits • Missouri Baptist University, Dual Credit, 8 credits. CERTIFICATIONS OFFERED: Certified Nursing Assistant (CNA) – State of Missouri certification • Occupational Safety and Health Administration (OSHA) –10 hour General Industry – Healthcare Certification • CPR and First Aid certifications*

HEATING, VENTILATION & AIR CONDITIONING Grade: 12 Only

Our **HVAC** major teaches students 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One. PRE-REQUISITES AT TIME OF SENIOR YEAR ENROLLMENT: Minimum of 11 core credits (2.5 must be English), on track to graduate. APPRENTICESHIP CREDIT OFFERED: Construction Craft Laborers - credit for 40 hours of apprentice training and 500 hours of on-the-job training. 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

Law Enforcement introduces students to the Police Academy 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. COLLEGE CREDIT OFFERED: University of Central Missouri, Dual Credit, 3 hours. CERTIFICATIONS: Missouri Law Enforcement Skills and Knowledge (MOLESK) Certification*

PHARMACY SCIENCES

Pharmacy Sciences - students use the same advanced equipment as industry professionals, students test and research drug treatments and interactions. Students learn the skills required for careers in retail, hospital, and medical center pharmacies. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 2 CTE and 1 Science*

SOUTH TECH

in Year Two. COLLEGE CREDIT OFFERED: Missouri Baptist University, Dual Credit, 4 to 8 credits. CERTIFICATIONS: PassAssured • Missouri Pharmacy Technician License

PRECISION MACHINING

Precision Machining teaches students to 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. *HIGH SCHOOL CREDIT OFFERED: 2 CTE & 1 Math in Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. COLLEGE CREDIT OFFERED: St. Louis Community College, 5 credits. CERTIFICATIONS OFFERED: National Institute for Metalworking Skills (NIMS) – Measurement, Materials & Safety Certification, Job Planning, Benchwork & Layout Certification*

VETERINARY ASSISTANT

Veterinary Assistant explores 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. ADDITIONAL PREREQUISITES AT TIME OF APPLICATION: 1 credit Biology or concurrent enrollment projected. COLLEGE CREDIT OFFERED: Jefferson College, 2 credits. CERTIFICATIONS OFFERED: Certified Vet Assistant – State of Missouri Vet Med Association*

WEB & COMPUTER PROGRAMMING

Web & Computer Programming teaches students 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. *HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate. COLLEGE CREDIT OFFERED: St. Louis Community College, 5 credits. CERTIFICATIONS OFFERED: Microsoft Technology Associate (MTA) Certification – HTML5 or Software Development*

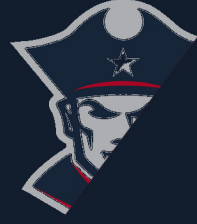
WELDING

Welding trains 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.

HIGH SCHOOL CREDIT OFFERED: 3 CTE Year One, 3 CTE in Year Two. PRE-REQUISITES AT TIME OF JUNIOR YEAR ENROLLMENT: Minimum of 7 core credits (1.5 must be English), on track to graduate.

SOUTH TECH

APPRENTICESHIP CREDIT OFFERED: Construction Craft Laborers – Credit for 40 hours of Apprentice Training and 500 hours of On-The-Job Training. CERTIFICATIONS OFFERED: American Welding Society (AWS) – multiple entry-level welding certifications available, S/P2 Safety Certification



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