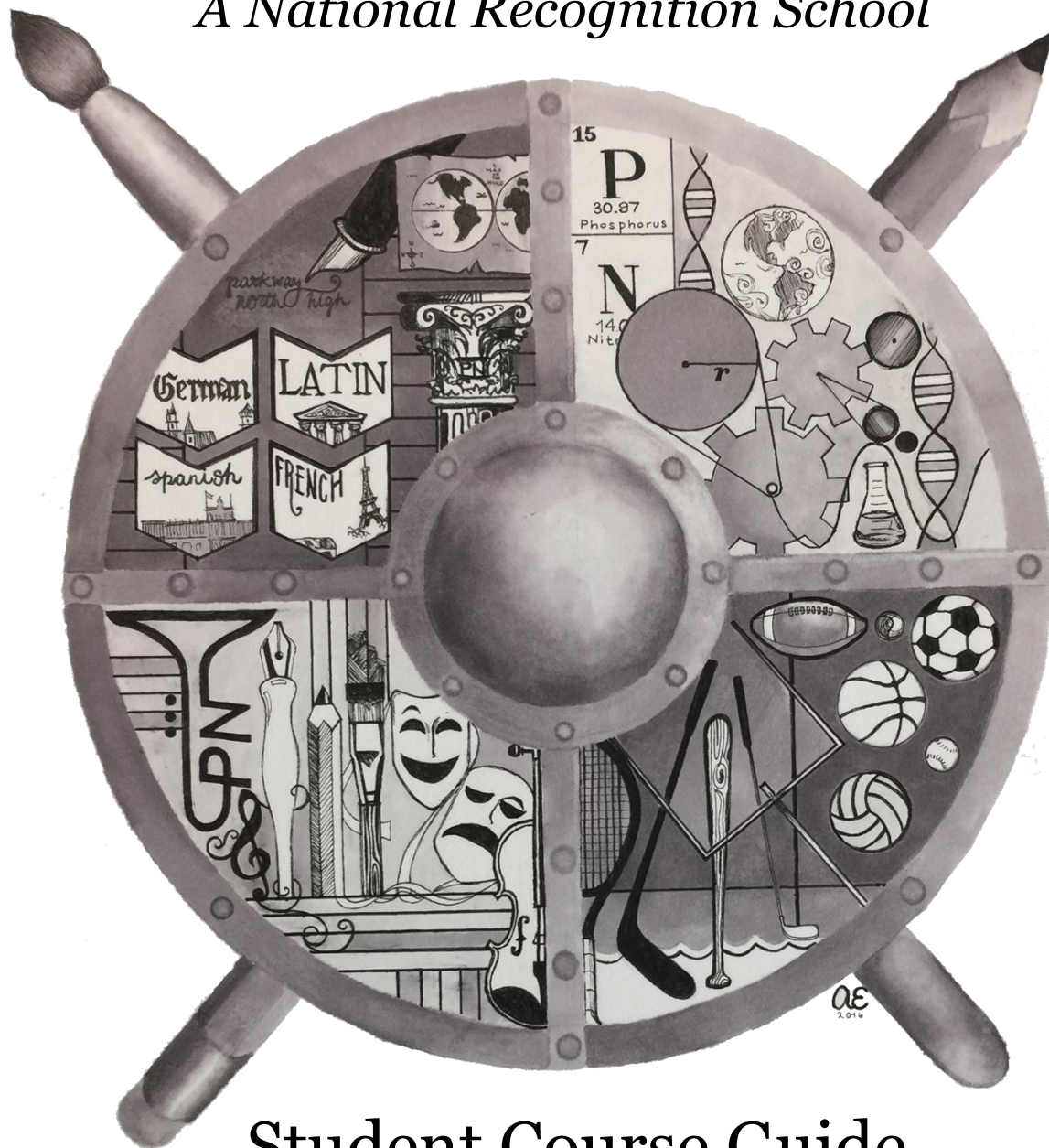


# Parkway

# NORTH

*A National Recognition School*



Student Course Guide

2017-2018

*12860 Fee Fee Road, St. Louis, Missouri 63146*

## **PURPOSE**

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

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

## **PARKWAY SCHOOL DISTRICT MISSION STATEMENT**

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

## **PARKWAY NORTH HIGH SCHOOL MISSION STATEMENT**

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

*Cover Designed By: Alex Evets*

## **PARKWAY BOARD OF EDUCATION**

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Ms. Deborah Hopper, Director  
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Mr. Greg Wagener, Assistant Principal, Class of 2020  
Dr. Rhonda Page, Assistant Principal, Class of 2019  
Dr. Tori Cain, Assistant Principal, Class of 2018  
Ms. Kris Kellams, Activities/Athletics  
Ms. Artondria Bentley, SSD Area Coordinator

## **GUIDANCE STAFF**

Jamesell Kee, Counselor, Class of 2021  
Anne Kraus, Counselor, Class of 2020  
Chandra Brown, Counselor, Class of 2019  
Paul Arthur, Counselor, Class of 2018  
Christy Wills, College, Career and Transition Counselor  
Alyssa Herrera, Social Worker

## **DEPARTMENT LEADERS**

<b><u>Department</u></b>	<b><u>Name</u></b>
Business/Career Tech. Ed.	Jim Parks & Bart Prosser
English Language Arts	Melissa Lynn Pomerantz
Family & Consumer Sciences	Marcia Barasch
Guidance	Chandra Brown
Mathematics	Jennifer Mueller
Modern & Classical Languages	Luisa Reina
Performing Arts	Brian Reeves
Physical Education	John Sheridan
Science	Karen LaFever
Social Studies	Amy Grich & Bob McKittrick
Special Education	Amy Born
Technology Ed.	Scott Phillips
Visual Arts	Clint Johnson

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**PARKWAY**  
SCHOOLS

**PARKWAY**  
**NORTH**  
HIGH SCHOOL

12860 FEE FEE ROAD  
ST. LOUIS, MO 63146  
314-415-7600  
FAX 314-415-7614

**DR. JENNY MARQUART**  
PRINCIPAL

**DR. TORI CAIN**

ASSISTANT PRINCIPAL

**DR. RHONDA PAGE**

ASSISTANT PRINCIPAL

**MIKE RIZZO**

ASSISTANT PRINCIPAL

**GREG WAGENER**

ASSISTANT PRINCIPAL

**KRIS KELLAMS**

ACTIVITIES/ATHLETIC DIRECTOR

**JON METHENY**

BUILDING MANAGER

January 2017

Dear Students and Parents,

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

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

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

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

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

Sincerely,

*Jenny Marquart*

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

## REGISTRATION PROCESS

### 2017-2018

- Tuesday, January 10** Counselors meet with 8<sup>th</sup> grade students at NEMS
- Thursday, January 12** First day to enter Course Requests in Infinite Campus  
Registration materials (*Course Guide, Unofficial Transcript and Official Course Request Sheet*) will be distributed during Academic Lab to NHS students.
- Curriculum Evening  
6:00 pm (incoming freshmen meeting)  
7:00 pm (curriculum fair open to all)
- Monday, January 23** Final day to submit Official Course Request Sheet  
Last Day to enter Course Requests in Infinite Campus

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

## COUNSELING SERVICES

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

Counselors can:

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

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

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

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

<b>DAILY SCHEDULE</b>		
<u>Time</u>	<u>A Day</u>	<u>B Day</u>
7:35 – 9:05	1 <sup>st</sup> Block	5 <sup>th</sup> Block
9:10 – 10:40	2 <sup>nd</sup> Block	6 <sup>th</sup> Block (Ac Lab)*
10:45 – 12:55	3 <sup>rd</sup> Block & Lunch	7 <sup>th</sup> Block & Lunch
Lunch shifts are determined by 3 <sup>rd</sup> & 7 <sup>th</sup> block classes	1 <sup>st</sup> Lunch 2 <sup>nd</sup> Lunch 3 <sup>rd</sup> Lunch	11:15 – 11:45 11:50 – 12:20 12:25 – 12:55
1:00 – 2:30	4 <sup>th</sup> Block	8 <sup>th</sup> Block
*Includes 2 minutes of announcements		

## SCHEDULE CHANGE PROCESS

### Recommended Courses of Study

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

### Prerequisites

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

### Parent-Initiated Placement

If a student believes his or her best interest will be served by varying from the recommended courses of study, he or she should consult their parents and complete a Parent-Initiated Placement form, which is available through North High department leaders. The student and/or parent should contact the relevant department leader to initiate the process and discuss the specific criteria used for the recommended placement. If the student/parent decides to proceed, the student should complete the Parent-Initiated Placement form and obtain the necessary signatures (student, parent, department chair, and teacher and North High counselor). The Parent-Initiated Placement form should be submitted to the student's guidance counselor. Decisions regarding approval are based upon class size and availability. *If a Parent-Initiated Placement is approved and student's schedule is changed, the student will remain in the course for one semester.*

### Schedule Change Guidelines

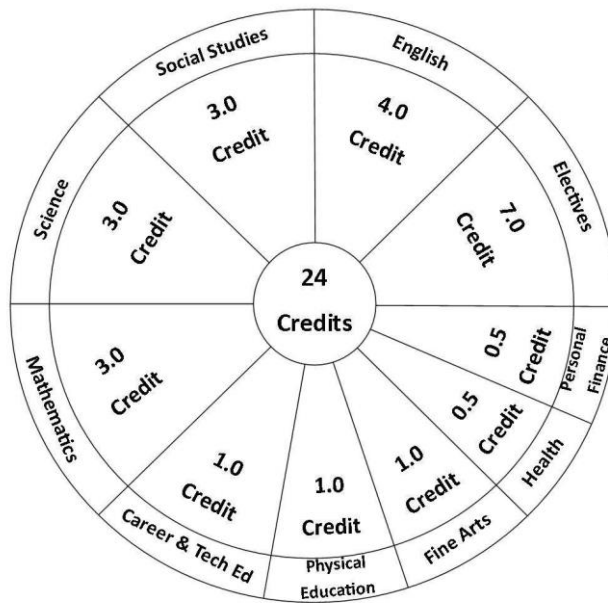
Students may request a change to their schedule to one of the Alternate Courses listed by the student in Infinite campus for the following reasons:

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

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

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

## PARKWAY GRADUATION REQUIREMENTS



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

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

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

### GENERAL INFORMATION

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

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



## PARKWAY GRADUATION REQUIREMENT WORKSHEET

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

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

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

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

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

- Missouri Constitution
- United States Constitution

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

- Business Education
- Cooperative Education
- FACS
- Technical Education

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

- Art (Visual Arts)
- Theatre Arts
- Music

## PARKWAY NORTH HIGH SCHOOL- 4 YEAR PLAN

Name _____				Student # _____					
<b>EOC Tests</b> Algebra 1 <input type="checkbox"/> English 2 <input type="checkbox"/> Biology <input type="checkbox"/> Government <input type="checkbox"/>		<b>Parkway Graduation Requirements</b> <b>*24 TOTAL CREDITS</b> English (4)                      *Career and Tech (1) History (3)                        *Physical Ed. (1) Mathematics (3)                *Health (0.5) Science (3)                        *Personal Finance (0.5) *Fine Arts (1)                    Electives (7)				<b>Recommended College Requirements</b> English (4) History (3-4) Mathematics (4) Science (3-4) Modern Classical Languages (2-4)		<b>Recommended Tests</b> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ACT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other _____ <input type="checkbox"/>	
<b>Constitution Tests</b> Missouri Constitution <input type="checkbox"/> United States Constitution <input type="checkbox"/>									
SUBJECT	Grade 9		Grade 10		Grade 11		Grade 12		
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
<b>English</b>	English 1	English 1	English 2	English 2	English 3	English 3			
<b>Social Studies</b>	Modern US History	Modern US History	World History	World History	US Government				
<b>Math</b>									
<b>Science</b>	Biology	Biology							
<b>Requirements</b> 1 <sup>st</sup> or 2 <sup>nd</sup> semester	PE Concepts		Health			Personal Finance			
<b>Fine Art</b> 1 credit required									
<b>Career &amp; Tech</b> 1 credit required									
<b>Additional Credits</b>									

## COLLEGE & CAREER INFORMATION

### NAVIANCE

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

Students start their career and college exploration by:

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

Naviance helps students plan a course of action to reach their goals, find resources to prepare academically, and discover their own path. Naviance also includes PrepMe for the ACT to prepare students for the ACT® assessment. PrepMe covers all of the concepts and skills tested on the ACT, including the essay and. PrepMe for the ACT includes: lessons, quizzes, diagnostic tests, and a full-length online practice ACT test.

### NCAA GUIDELINES

The NCAA has established a central clearinghouse to determine initial eligibility for Divisions I and II student athletes. The NAIA also has an eligibility center for this purpose. All student athletes need to visit these websites about initial eligibility requirements PRIOR TO JUNIOR YEAR. We also ask that you know these requisite items (14 core specific courses for Division II and 16 core specific courses for Division I) when signing up for classes and that you mention them to your counselor in any conversations pertaining to course selection. Students may register online at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).



### COLLEGE ENTRANCE

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

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

## PARKWAY NORTH HIGH SCHOOL A+ PROGRAM

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

### Goals of the A+ Program:

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

### Participating High Schools are encouraged to

- Reduce the dropout rate.
- Raise academic expectations by eliminating general track courses.
- Provide career pathways for all students.

### Student Eligibility:

- 1) Attend an A+ high school for three years immediately prior to graduation (10<sup>th</sup>-12<sup>th</sup> grade).
- 2) Earn an accumulative high school grade point average of a 2.5 grade point or higher on a 4.0 scale (non-weighted).
- 3) Maintain a 95% high school attendance record for the 4 year period (attendance is not rounded up).
- 4) Perform 50 documented hours of unpaid tutoring or community service through a non-profit organization:
  - a. 25 hours MUST BE tutoring
  - b. 12.5 hours may be job shadowing
- 5) Maintain a record of good citizenship and avoid the unlawful use of drugs and/or alcohol.
- 6) Make a documented good faith effort to secure federal post-secondary student financial assistance funds during the last semester of the senior year so as to obtain the A+ financial incentive (FAFSA).
- 7) Register for Selective Service, if applicable (as required by law).
- 8) Achieve score of proficient or advanced on the official Algebra I end of course exam or a DESE approved end-of-course exam in the field of mathematics.
- 9) Be a US Citizen or Permanent Resident (verification takes place at post-secondary institutions).
- 10) To retain this eligibility after high school graduation, I understand that I must enroll and attend on a full-time basis a Missouri public community college or public career/technical school, AND maintain a grade point average of 2.5 or higher on a 4.0 scale.

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

**\*Tuition reimbursement is contingent upon availability of state funds. All individuals required to register with the Selective Service must do so to be eligible for state-supported scholarships and programs for financial assistance for post-secondary education. Students must fill out the FAFSA no earlier than January of senior year in order to be eligible for A+ funding at the post-secondary institution. The financial incentives of the A+ Schools Program are dependent upon state appropriations from the Missouri General Assembly. The incentives are not the funding responsibility of the Parkway School District. Student financial incentives may be accessed over a 48 month period after graduation and are contingent upon legislative approval. Students must sign up for the A+ Schools Program no later than September 30<sup>th</sup> of their senior year.**

\*\*If you have any questions about the A+ Program, please contact LuAnn Fallahi at (314) 415-7695 or e-mail at [dfallahi@parkwayschools.net](mailto:dfallahi@parkwayschools.net) For additional information, visit our A+ link on the NHS website under Departments.

## 9<sup>TH</sup> GRADE COURSE REQUEST WORKSHEET

Students must have 16 semester courses and 4 alternate choices. Many of the courses are full year courses, which count as 2 semester courses. Required courses will be pre-assigned. You will see these courses when you login to the Online Registration Portal under "Required Courses." Remember to enter both semesters of a full-year course. **Enter your requested courses and alternate courses in the Online Registration Portal and also on this worksheet in the spaces provided.**

ID#: _____	Name: _____	Class of: _____
	Course Number	Course Name
<b>English</b>	_____ Course Number	
<b>English</b>	_____ Course Number	
<b>Math</b>	_____ Course Number	
<b>Math</b>	_____ Course Number	
<b>Science</b>	_____ Course Number	
<b>Science</b>	_____ Course Number	
<b>Social Studies</b>	_____ Course Number	
<b>Social Studies</b>	_____ Course Number	
<b>Academic Lab</b>	<b>013001</b>	<b>Academic Lab</b>
<b>Academic Lab</b>	<b>013002</b>	<b>Academic Lab</b>
<b>PE</b>	<b>087110</b>	<b>Physical Fitness Concepts</b>
<b>12 Elective</b>	_____ Course Number	
<b>13 Elective</b>	_____ Course Number	
<b>14 Elective</b>	_____ Course Number	
<b>15 Elective</b>	_____ Course Number	
<b>16 Elective</b>	_____ Course Number	
<b>17 Alternate</b>	_____ Course Number	
<b>18 Alternate</b>	_____ Course Number	
<b>19 Alternate</b>	_____ Course Number	
<b>20 Alternate</b>	_____ Course Number	

## 10<sup>TH</sup> GRADE COURSE REQUEST WORKSHEET

Students must have 16 semester courses and 4 alternate choices. Many of the courses are full year courses, which count as 2 semester courses. Required courses will be pre-assigned. You will see these courses when you login to the Online Registration Portal under "Required Courses." Remember to enter both semesters of a full-year course. **Enter your requested courses and alternate courses in the Online Registration Portal and also on this worksheet in the spaces provided.**

<b>ID#:</b> _____	<b>Name:</b> _____	<b>Class of:</b> _____
	<b>Course Number</b>	<b>Course Name</b>
<b>English</b>	_____ Course Number	
<b>English</b>	_____ Course Number	
<b>Math</b>	_____ Course Number	
<b>Math</b>	_____ Course Number	
<b>Science</b>	_____ Course Number	
<b>Science</b>	_____ Course Number	
<b>Social Studies</b>	_____ Course Number	
<b>Social Studies</b>	_____ Course Number	
<b>Academic Lab</b>	<b>013001</b>	<b>Academic Lab</b>
<b>Academic Lab</b>	<b>013002</b>	<b>Academic Lab</b>
<b>Health</b>	<b>077100</b>	<b>Health</b>
<b>12 Elective</b>	_____ Course Number	
<b>13 Elective</b>	_____ Course Number	
<b>14 Elective</b>	_____ Course Number	
<b>15 Elective</b>	_____ Course Number	
<b>16 Elective</b>	_____ Course Number	
<b>17 Alternate</b>	_____ Course Number	
<b>18 Alternate</b>	_____ Course Number	
<b>19 Alternate</b>	_____ Course Number	
<b>20 Alternate</b>	_____ Course Number	

## 11<sup>TH</sup> GRADE COURSE REQUEST WORKSHEET

Students must have 16 semester courses and 4 alternate choices. Many of the courses are full year courses, which count as 2 semester courses. Required courses will be pre-assigned. You will see these courses when you login to the Online Registration Portal under "Required Courses." Remember to enter both semesters of a full-year course. **Enter your requested courses and alternate courses in the Online Registration Portal and also on this worksheet in the spaces provided.**

ID#: _____	Name: _____	Class of: _____
	Course Number	Course Name
<b>English</b>	_____ Course Number	
<b>English</b>	_____ Course Number	
<b>Math</b>	_____ Course Number	
<b>Math</b>	_____ Course Number	
<b>Science</b>	_____ Course Number	
<b>Science</b>	_____ Course Number	
<b>Social Studies</b>	_____ Course Number	Government or AP Government ( <b>Circle One</b> )
<b>Social Studies</b>	_____ Course Number	
<b>Academic Lab</b>	<b>013001</b>	<b>Academic Lab</b>
<b>Academic Lab</b>	<b>013002</b>	<b>Academic Lab</b>
<b>PE</b>	_____ Course Number	
<b>12 Elective</b>	_____ Course Number	
<b>13 Elective</b>	_____ Course Number	
<b>14 Elective</b>	_____ Course Number	
<b>15 Elective</b>	_____ Course Number	
<b>16 Elective</b>	_____ Course Number	
<b>17 Alternate</b>	_____ Course Number	
<b>18 Alternate</b>	_____ Course Number	
<b>19 Alternate</b>	_____ Course Number	
<b>20 Alternate</b>	_____ Course Number	

## 12<sup>TH</sup> GRADE COURSE REQUEST WORKSHEET

Students must have 16 semester courses and 4 alternate choices. Many of the courses are full year courses, which count as 2 semester courses. Required courses will be pre-assigned. You will see these courses when you login to the Online Registration Portal under "Required Courses." Remember to enter both semesters of a full-year course. **Enter your requested courses and alternate courses in the Online Registration Portal and also on this worksheet in the spaces provided.**

ID#:	Name:	Class of:
	<b>Course Number</b>	<b>Course Name</b>
<b>English</b>	_____ Course Number	
<b>English</b>	_____ Course Number	
<b>Math</b>	_____ Course Number	
<b>Math</b>	_____ Course Number	
<b>Science</b>	_____ Course Number	
<b>Science</b>	_____ Course Number	
<b>Social Studies</b>	_____ Course Number	
<b>Social Studies</b>	_____ Course Number	
<b>Academic Lab</b>	<b>013001</b>	<b>Academic Lab</b>
<b>Academic Lab</b>	<b>013002</b>	<b>Academic Lab</b>
<b>11 Elective</b>	_____ Course Number	
<b>12 Elective</b>	_____ Course Number	
<b>13 Elective</b>	_____ Course Number	
<b>14 Elective</b>	_____ Course Number	
<b>15 Elective</b>	_____ Course Number	
<b>16 Elective</b>	_____ Course Number	
<b>17 Alternate</b>	_____ Course Number	
<b>18 Alternate</b>	_____ Course Number	
<b>19 Alternate</b>	_____ Course Number	
<b>20 Alternate</b>	_____ Course Number	



# COURSE OFFERINGS FOR PARKWAY NORTH HIGH SCHOOL 2017 - 2018

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

Note: "AP" refers to "Advanced Placement" courses for which students may opt to pay a nominal fee to attempt to test out of these courses in colleges that accept AP credit (see p. 96).

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

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
<b>Arts (Visual Arts) – p. 25</b>						
	027000	Design Arts	9-12	Semester	0.5	No
	027100	Drawing	9-12	Semester	0.5	No
	027120	Drawing 2	9-12	Semester	0.5	Yes
	027200	Ceramics	9-12	Semester	0.5	Yes
	027220	Ceramics 2	10-12	Semester	0.5	Yes
	027240	Sculpture	9-12	Semester	0.5	Yes
	027250	Advanced 3-D Studio	10-12	Semester	0.5	Yes
	027300	Photography	10-12	Semester	0.5	Yes
	027320	Photography 2	10-12	Semester	0.5	Yes
	027330	Photography 3	11-12	Semester	0.5	Yes
	027500	Painting	9-12	Semester	0.5	Yes
	027810	Digital Design	9-12	Semester	0.5	No
	027820	Digital Design 2	10-12	Semester	0.5	Yes
	029781 & 029782	AP Studio Art	11-12	Year	1.0	Yes

### Business & Technology Education – p. 28

	037010	Introduction to Computer Technologies	9-12	Semester	0.5	No
	037100	Personal Finance	10-12	Semester	0.5	No
	037270	Microsoft Office	9-12	Semester	0.5	No
	037280	Branding and Design Concepts	9-12	Semester	0.5	Yes
	037310	Introduction to Computer Science	10-12	Semester	0.5	Yes
	037350	Introduction to Business	9-10	Semester	0.5	No
	037111 & 037112	Accounting 1	10-12	Year	1.0	Yes
	037121 & 037122	Accounting 2 (Honors Option)	11-12	Year	1.0	Yes
	037550	Business Management	11-12	Semester	0.5	Yes
	037570	Web Design 1	9-12	Semester	0.5	No
	037580	Web Design 2	9-12	Semester	0.5	Yes
	037590	Multimedia	9-12	Semester	0.5	Yes
	037290	Multimedia 2: Digital Production	9-12	Semester	0.5	Yes
	037320	Computer Science: Application Design & Development	9-12	Semester	0.5	Yes
	037490	Digital Animation	10-12	Semester	0.5	Yes
	037661 & 037662	Entrepreneurship: Virtual Enterprise International	10-12	Year	1.0	Yes
	037701 & 037702	Business, Marketing, and Information Technology Internship	11-12	Year	1.0	Yes
	039321 & 039322	AP Computer Science A	11-12	Year	1.0	Yes

*Business and Technology Education continued on the next page*

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
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*Business and Technology Education (Continued)*

	047751 & 047752	Marketing 1	10-12	Year	1.0	No
	047761 & 047762	Marketing 2	11-12	Year	1.0	Yes

**Choice Programs—p. 34**

**SPARK! – p. 34**

	207491 & 207492	Spark! Bioscience	11-12	Year	2.0	Yes
	207431 & 207432	Spark! Engineering	11-12	Year	2.0	Yes
	207461 & 207462	Spark! Incubator	11-12	Year	2.0	Yes
	207451 & 207452	Spark! Pre-Professional Health Sciences	12	Year	2.0	Yes
	207471 & 207472	Spark! Teaching and Learning	11-12	Year	2.0	Yes
	207401 & 207402	Spark! Technology	11-12	Year	1.0	Yes

**Virtual Courses (online) – p. 36**

	029560V	Virtual AP Art History 1	11-12	Semester	0.5	No
	029570V	Virtual AP Art History 2	11-12	Semester	0.5	Yes
	037100V	Virtual Personal Finance	10-12	Semester	0.5	No
	037900V	Virtual Foundations of Video Game Design	9-12	Semester	0.5	No
	067411V & 067412V	Virtual Japanese 1	9-12	Year	1.0	Yes
	067421V & 067422V	Virtual Japanese 2	10-12	Year	1.0	Yes
	067611V & 067612	Virtual Mandarin Chinese 1	9-12	Year	1.0	Yes
	077100V	Virtual Health and Wellness	11-12	Semester	0.5	No
	119901V & 119902V	Virtual AP Statistics	11-12	Year	1.0	Yes
	157790	Virtual Sociology	11-12	Semester	0.5	Yes

**English Language Arts – p. 40**

	057011 & 057012	English 1	9	Year	1.0	No
	058011 & 058012	Honors English 1	9	Year	1.0	Yes
	057021 & 057022	English 2	10	Year	1.0	Yes
	058021 & 058022	Honors English 2	10	Year	1.0	Yes
	057580	Contemporary World Literature	9-10	Semester	0.5	Yes
	057031 & 057032	English 3	11	Year	1.0	Yes
	057120	Introduction to College Writing	12	Semester	0.5	Yes
	057160	Creative Writing: Poetry	11-12	Semester	0.5	Yes
	057171 & 057172	Creative Writing: Non-Fiction	11-12	Year	1.0	Yes
	057180	Creative Writing: Short Story	11-12	Semester	0.5	Yes
	057260	College Communication Arts*	12	Semester	0.5	Yes

*English Language Arts continued on the next page*

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
<i>English Language Arts (Continued)</i>						
	057361	English 4A	12	Semester	0.5	Yes
	057372	English 4B	12	Semester	0.5	Yes
	057501 & 057502	African American History & Literature	10-12	Year	1.0	Yes
	057540	Comparative Mythology	11-12	Semester	0.5	Yes
	057400	Film and Composition*	11-12	Semester	0.5	Yes
	057560	Masterpieces 1	12	Semester	0.5	Yes
	057570	Masterpieces 2	12	Semester	0.5	Yes
	058080	Trends in American Literature (Honors)	11	Semester	0.5	Yes
	059300	AP English Language and Composition	11	Semester	0.5	Yes
	059041	AP English Literature and Composition 1	11-12	Semester	0.5	Yes
	059042	AP English Literature and Composition 2	11-12	Semester	0.5	Yes
 <i>School Publications – p. 46</i>						
	057300	Beginning Journalism*	9-11	Semester	0.5	Yes
	057350	Photojournalism*	10-12	Semester	0.5	No
	057311 & 057312	Newspaper 1	10-12	Year	1.0	Yes
	057321 & 057322	Newspaper 2	10-12	Year	1.0	Yes
	057331 & 057332	Newspaper 3 (Honors Option)	11-12	Year	1.0	Yes
	057341 & 057342	Newspaper 4 (Honors Option)	11-12	Year	1.0	Yes
	057411 & 057412	Yearbook 1	9-12	Year	1.0	Yes
	057421 & 057422	Yearbook 2	10-12	Year	1.0	Yes
	057431 & 057432	Yearbook 3 (Honors Option)	11-12	Year	1.0	Yes
	057441 & 057442	Yearbook 4 (Honors Option)	12	Year	1.0	Yes
 <i>Speech &amp; Debate – p. 48</i>						
	057600	Communication 1	9-12	Semester	0.5	No
	057620	Advanced Projects in Speech	11-12	Semester	0.5	Yes
	057630	Public Speaking	9-12	Semester	0.5	No
	057700	Radio and Television Announcing	9-12	Semester	0.5	No
	057650	Advanced Broadcasting	11-12	Semester	0.5	Yes
	057660	Debate 1	9-12	Semester	0.5	No
	057670	Debate 2	10-12	Semester	0.5	Yes

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
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*English for Speakers of Other Languages – p. 50*

052911 & 052912	High School ESOL Level 1	9-12	Year	1.0	Yes
052921 & 052922	High School ESOL Level 2	9-12	Year	1.0	Yes
052931 & 052932	High School ESOL Level 3	9-12	Year	1.0	Yes
052941 & 052942	High School ESOL Level 4	9-12	Year	1.0	Yes
052951 & 052952	ESOL Essentials	9-12	Year	1.0	Yes

**Family & Consumer Sciences – p. 51**

095950	Let's Cook Together	9-12	Semester	0.5	Yes
097010	ProStart® 1	9-12	Semester	0.5	No
097020	ProStart® 2	10-12	Semester	0.5	Yes
097051 & 097052	ProStart® 3	10-12	Year	1.0	Yes
097110	International Cuisine	11-12	Semester	0.5	Yes
097210	Clothing 1	9-12	Semester	0.5	No
097220	Clothing 2	9-12	Semester	0.5	Yes
097250	Fashion Merchandising	9-12	Semester	0.5	No
097260	Textile Designs	9-12	Semester	0.5	No
097400	Human Relations	9-12	Semester	0.5	No
097420	Child Development 1	9-12	Semester	0.5	No
097430	Child Development 2	9-12	Semester	0.5	Yes
097460	Career Management	9-12	Semester	0.5	Yes
097550	Housing and Interior Design	9-12	Semester	0.5	No
097561	Career Pathways for the Teaching Profession Foundations	11-12	Semester	0.5	Yes
097562	Career Pathways for the Teaching Profession Practicum	11-12	Semester	0.5	Yes
097950	Culinary Mentor	10-12	Semester	0.5	Yes

**Mathematics – p. 56**

117101 & 117102	Algebra 1	9-10	Year	1.0	Yes
117201 & 117202	Geometry A	9-12	Year	1.0	Yes
118201 & 118202	Honors Geometry	9-10	Year	1.0	Yes
117301 & 117302	Algebra 2	11-12	Year	1.0	Yes
117401 & 117402	Algebra 2 with Trigonometry	10-12	Year	1.0	Yes
118401 & 118402	Honors Algebra 2 with Trigonometry	10-11	Year	1.0	Yes
117410	Trigonometry	10-12	Semester	0.5	Yes
117601 & 117602	College Algebra	10-12	Year	1.0	Yes

*Mathematics continued on the next page*

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
<i>Mathematics (Continued)</i>						
	117701 & 117702	Pre-Calculus	11-12	Year	1.0	Yes
	118701 & 118702	Honors Pre-Calculus	11-12	Year	1.0	Yes
	117900	Statistics	10-12	Semester	0.5	Yes
	118761 & 118762	Honors Calculus III	12	Year	1.0	Yes
	119801 & 119802	AP Calculus AB	12	Year	1.0	Yes
	119851 & 119852	AP Calculus BC	12	Year	1.0	Yes
	119901 & 119902	AP Statistics	11-12	Year	1.0	Yes
<b>Modern &amp; Classical Languages – p. 60</b>						
<i>French – p. 61</i>						
	067011 & 067012	French 1	9-12	Year	1.0	No
	067021 & 067022	French 2	9-12	Year	1.0	Yes
	067031 & 067032	French 3	10-12	Year	1.0	Yes
	067041 & 067042	French 4 (Honors Option)	11-12	Year	1.0	Yes
	068051 & 068052	French 5 (Honors)	12	Year	1.0	Yes
<i>German – p. 63</i>						
	067111 & 067112	German 1	9-12	Year	1.0	No
	067121 & 067122	German 2	9-12	Year	1.0	Yes
	067131 & 067132	German 3	10-12	Year	1.0	Yes
	067141 & 067142	German 4 (Honors Option)	11-12	Year	1.0	Yes
	068151 & 068152	German 5 (Honors)	12	Year	1.0	Yes
<i>Latin – p. 64</i>						
	067211 & 067212	Latin 1	9-12	Year	1.0	No
	067221 & 067222	Latin 2	9-12	Year	1.0	Yes
	067231 & 067232	Latin 3	10-12	Year	1.0	Yes
	067241 & 067242	Latin 4 (Honors Option)	11-12	Year	1.0	Yes
<i>Spanish – p. 65</i>						
	067311 & 067312	Spanish 1	9-12	Year	1.0	No
	067321 & 067322	Spanish 2	9-12	Year	1.0	Yes
	067331 & 067332	Spanish 3	10-12	Year	1.0	Yes
	067341 & 067342	Spanish 4 (Honors Option)	11-12	Year	1.0	Yes
	068351 & 068352	Spanish 5 (Honors)	12	Year	1.0	Yes

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
<b>Music – p. 66</b>						
	127001 & 127002	Chorus	9-12	Year	1.0	No
	127041 & 127042	Concert Chorale	9-12	Year	1.0	Yes
	127061 & 127062	Chamber Choir	9-10	Year	1.0	Yes
	127171 & 127172	Concert Choir Mixed (Honors Option)	11-12	Year	1.0	Yes
	127181 & 127182	Concert Choir Treble (Honors Option)	11-12	Year	1.0	Yes
	127411 & 127412	Concert Orchestra 1	9	Year	1.0	Yes
	127421 & 127422	Concert Orchestra 2	10-12	Year	1.0	Yes
	127441 & 127442	Symphonic Orchestra (Honors Option)	9-12	Year	1.0	Yes
	127512	Concert Band	9-12	Semester	1.0	Yes
	127521 & 127522	Jazz Lab	9-12	Year	1.0	Yes
	127551 & 127552	Symphonic Band Percussion (Honors Option)	9-12	Year	1.0	Yes
	127561	Marching Band	9-12	Semester	0.1	Yes
	127581 & 127582	Symphonic Band 2 (Honors Option)	9-12	Year	1.0	Yes
	127610	Piano	9-12	Semester	0.5	No
	127620	Piano 2	9-12	Semester	0.5	Yes
	127630	Guitar	9-12	Semester	0.5	No
	127640	Guitar 2	9-12	Semester	0.5	Yes
	127701 & 127702	Music Theory (Honors Option)	10-12	Year	1.0	Yes
	129701 & 129702	AP Music Theory	10-12	Year	1.0	Yes
	127760	Music Designs	9-12	Semester	0.5	No

### Physical & Health Education – p. 70

	077100	Health and Wellness	10	Semester	0.5	Yes
	087110	Physical Fitness Concepts	9-10	Semester	0.5	Yes
	084950	Let's Move Together	9-12	Semester	0.5	Yes
	087140	Competitive Sports and Games	10-12	Semester	0.5	Yes
	087150	Lifetime and Recreation Sports	10-12	Semester	0.5	Yes
	087200	Strength and Conditioning	10-12	Semester	0.5	Yes
	087300	Adventure Pursuits	10-12	Semester	0.5	Yes
	087400	Walking and Low-Impact Physical Activities	10-12	Semester	0.5	Yes
	087820	Aquatic Experiences/Scuba	10-12	Semester	0.5	Yes
	087830	Lifeguard Training	10-12	Semester	0.5	Yes
	087950	PE Mentor	10-12	Semester	0.5	Yes
	087960	Movement 2 Music	10-12	Semester	0.5	Yes

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
<b>Science – p. 73</b>						
	137210	Matter and Change	9-10	Semester	0.5	Yes
	138210	Honors Matter and Change	10	Semester	0.5	Yes
	137310	Forces and Motion in 1D	9-10	Semester	0.5	Yes
	138310	Honors Forces and Motion in 1D	9-10	Semester	0.5	Yes
	137140	Biology 1: Cells and Variation	9-10	Semester	0.5	Yes
	138140	Honors Biology 1: Cells and Variation	9-10	Semester	0.5	Yes
	137150	Biology 2: Evolution and Ecology	9-10	Semester	0.5	Yes
	138150	Honors Biology 2: Evolution and Ecology	9-10	Semester	0.5	Yes
	137160	Biology 3 : Biotechnology and Systems	10-12	Semester	0.5	Yes
	138160	Honors Biology 3: Biotechnology and Systems	10-12	Semester	0.5	Yes
	136201 & 136202	Concepts of Chemistry*	10-12	Year	1.0	Yes
	137201 & 137202	Chemistry	10-12	Year	1.0	Yes
	138201 & 138202	Honors Chemistry	10-12	Year	1.0	Yes
	137301 & 137302	Physics	11-12	Year	1.0	Yes
	137461 & 137462	Human Anatomy and Physiology (Honors Option)	11-12	Year	1.0	Yes
	137430	Organic Chemistry	11-12	Semester	0.5	Yes
	137490	Geology	11-12	Semester	0.5	Yes
	137500	Environmental Science	11-12	Semester	0.5	Yes
	137550	Astronomy and Meteorology	11-12	Semester	0.5	Yes
	137910	Science Seminar	11-12	Semester	0.5	Yes
	137930	Science Laboratory Assistant*	11-12	Semester	0.5	Yes
	139151 & 139152	AP Biology	11-12	Year	1.0	Yes
	139251 & 139252	AP Chemistry	11-12	Year	1.0	Yes
	139321	AP Physics C: Mechanics	11-12	Semester	0.5	Yes
	139332	AP Physics C: Electricity and Magnetism	11-12	Semester	0.5	Yes
	139411 & 139412	AP Physics 1	11-12	Year	1.0	Yes
	139421 & 139422	AP Physics 2	12	Semester	0.5	Yes
	139501 & 139502	AP Environmental Science	11-12	Year	1.0	Yes
<b>Social Studies – p. 81</b>						
	157001 & 157002	Modern United States History	9	Year	1.0	No
	158001 & 158002	Modern United States History (Honors)	9	Year	1.0	Yes
	157011 & 157012	World History: The Modern Era	10	Year	1.0	No
	159011 & 159012	AP World History	10-12	Year	1.0	Yes
	157100	United States Government	11-12	Semester	0.5	Yes
	159121 & 159122	AP US Government and Politics	11-12	Year	1.0	Yes

*Social Studies continued on the next page*



Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
<i>Social Studies (Continued)</i>						
	157350	History of St. Louis	11-12	Semester	0.5	Yes
	157360	History of the American West	11-12	Semester	0.5	Yes
	157370	Media in America	11-12	Semester	0.5	Yes
	157571 & 157572	African-American History & Literature	10-12	Semester	1.0	Yes
	157590	Ancient Civilizations	11-12	Semester	0.5	Yes
	157750	Crime and the Law	11-12	Semester	0.5	Yes
	157760	Contemporary Issues	11-12	Semester	0.5	Yes
	157780	Anthropology	11-12	Semester	0.5	Yes
	157790	Sociology	11-12	Semester	0.5	Yes
	157800	Psychology	11-12	Semester	0.5	Yes
	159801 & 159802	AP Psychology	11-12	Year	1.0	Yes
	157820	Environmental Issues	11-12	Semester	0.5	Yes
	157830	Modern Warfare	11-12	Semester	0.5	Yes
	157840	Philosophy and Ethics	11-12	Semester	0.5	Yes
	157850	Gender, Time and Place	11-12	Semester	0.5	Yes
	158340	Colonial America (Honors)	11-12	Semester	0.5	Yes
	158700	Economics (Honors)	11-12	Semester	0.5	Yes
	159510	AP Human Geography	11-12	Semester	0.5	Yes
	159301 & 159302	AP United States History	11-12	Year	1.0	Yes
	159501 & 159502	AP European History	11-12	Year	1.0	Yes

### Special Offerings – p. 87

	087350	Drivers Education	9-12	Semester	0.5	No
	813100	Leadership Development 1	9-10	Semester	0.5	Yes
	993300	Senior Project: Service Learning and Social Justice	12	Semester	0.5	Yes
	995641 & 995642	Intervention & Instruction	9	Year	1.0	Yes

### Technology & Engineering Education – p. 88

#### Information Technology – p. 88

	037400	Fundamentals of IT/Computer Maintenance	9-12	Semester	0.5	No
	037411 & 037412	A+ Computer Maintenance	10-12	Year	1.0	Yes
	037651 & 037652	Network+ Certification	11-12	Year	1.0	Yes

#### Technology Education – p. 89

	107050	Power, Energy, and Transportation Tech 1	9-12	Semester	0.5	No
	107060	Power, Energy, and Transportation Tech 2	9-12	Semester	0.5	Yes

*Technology Education continued on the next page*

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
<i>Technology Education (Continued)</i>						
	107070	Drafting	9-12	Semester	0.5	No
	107121	Design and Technology 1	9-12	Semester	0.5	No
	107132	Design and Technology 2	9-12	Semester	0.5	Yes
	107500	Construction Technology	9-12	Semester	0.5	No
	107680	Robotics Technology	9-12	Semester	0.5	No
<b>Pre-Engineering – p. 91</b>						
	108711 & 108712	Introduction to Engineering Design (Honors)	9-12	Year	1.0	No
	108751 & 108752	Principles of Engineering (Honors)	10-12	Year	1.0	Yes
	108451 & 108452	Digital Electronics (Honors)	10-12	Year	1.0	Yes
	108201 & 108202	Civil Engineering and Architecture (Honors)	10-12	Year	1.0	Yes
	108211 & 108212	Computer Integrated Manufacturing (Honors)	10-12	Year	1.0	Yes
	108221 & 108222	Environmental Engineering (Honors)	11-12	Year	1.0	Yes
<b>Theatre Arts – p. 93</b>						
	057720	Theatre Arts	9-12	Semester	0.5	No
	057730	Improvitational Theatre	9-12	Semester	0.5	Yes
	057760	Technical Theatre	9-12	Semester	0.5	Yes
	057770	Children's Theatre	9-12	Semester	0.5	Yes
	057800	Actor's Studio 1	10-12	Semester	0.5	Yes
	057810	Actor's Studio 2 (Honors Option)	11-12	Semester	0.5	Yes
	057820	Directing (Honors Option)	12	Semester	0.5	Yes

**Additional Information – p. 95**

- Advanced College Credit Programs
- Advanced Placement (AP)
- Technical High School
- South Tech Programs
- Special Education

## ART (Visual Arts)

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

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

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

<b>VISUAL ARTS SEQUENCE</b>		
	<i><b>APPRECIATION</b></i>	<i><b>CAREER INTEREST</b></i>
<b>INTRODUCTORY</b>	Design Arts Drawing Digital Design	Drawing (recommended) Design Arts Digital Design
<b>INTERMEDIATE COURSES</b>	Drawing 2 Ceramics Sculpture Photo Painting Digital Design 2	Drawing 2 (recommended) Painting Ceramics Sculpture Photo Digital Design 2
<b>ADVANCED COURSES</b>	AP Art History 1* AP Art History 2*	Ceramics 2 Photo 2 Photo 3 Advanced 3-D Studies A.P. Studio Art (Honors) Art History 1 (Honors) Art History 2 (Honors)

**NOTE: \* ONLINE COURSES ONLY**

**027000**

**DESIGN ARTS**

Grades: 9-12

½ Fine Arts credit

Prerequisite: None

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

**027100**

**DRAWING**

Grades: 9-12

½ Fine Arts credit

Prerequisite: None

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

**027120**

**DRAWING 2**

Grades: 9-12

½ Fine Arts credit

Prerequisite: Drawing

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

**027200**

**CERAMICS**

Grades: 9-12

½ Fine Arts credit

Prerequisite: Design Arts, Digital Design, Drawing, or Instructor Approval

Instruction is offered in the materials, techniques, equipment, and vocabulary of ceramic art, including pottery and other forms. Hand- built and wheel-thrown forms may both be taught. Emphasis will be on skill development and craftsmanship using clay as a medium of expression.  
*(Advanced Credit or Dual Credit Option)*

**027220**

**CERAMICS 2**

Grades: 10-12

½ Fine Arts credit

Prerequisite: Successful completion of Ceramics

Students will further improve and refine their skills on the potter's wheel. They will undertake more complex hand-building projects and will learn and become responsible for the mechanics of a ceramic studio such as mixing glazes, stacking and firing kilns, recycling clay, and maintaining equipment. *(Advanced Credit or Dual Credit Option)*

**027240**

**SCULPTURE**

Grades: 9-12

½ Fine Arts credit

Prerequisite: Digital Design, Drawing, Ceramics or Instructor Approval

A study of art in the third dimension offers the student a selection from the following approaches: carving, modeling, casting, and assemblage. A variety of materials such as clay, stone, wood, wax and metals are used. Special emphasis is placed on the manipulation of the relationship of mass and space. Safe practices in the care and use of tools are stressed. *(Advanced Credit or Dual Credit Option)*

**027250**

**ADVANCED 3-D STUDIO**

Grades 10-12

½ Fine Arts credit

Prerequisite: Sculpture and Ceramics 2

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

**027300**  
**PHOTOGRAPHY**

Grades: 10-12  
½ Fine Arts credit  
Prerequisite: Design Arts, Digital Design or Drawing

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

**027320**  
**PHOTOGRAPHY 2**

Grades: 10-12  
½ Fine Arts credit  
Prerequisite: Photography

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

**027330**  
**PHOTOGRAPHY 3**

Grades: 11-12  
½ Fine Arts credit  
Prerequisite: Photography and Photography 2 or Teacher Recommendation

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

**027500**  
**PAINTING**

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

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

**027810**  
**DIGITAL DESIGN**

Grades: 9-12  
½ Fine Arts credit  
Prerequisite: None

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

**027820**  
**DIGITAL DESIGN 2**

Grades: 10-12  
½ Fine Arts credit  
Prerequisite: Digital Design

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

**029781 & 029782 (Year-long)**  
**AP STUDIO ART**

Grades: 11-12  
1 Fine Arts credit  
Prerequisite: Instructor Approval

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

## Accounting & Management

Introduction to Business  
Personal Finance+  
Microsoft Office+  
Accounting 1  
Accounting 2+  
Accounting 3\*+  
Business Management  
Internship\*\*  
Entrepreneurship: Virtual Enterprise International\*\*

## Information Technology

Introduction to Computer Technologies (ICT)  
Web Design I  
Web Design II  
Video Game Design  
Introduction to Computer Science  
Computer Science: App. Design & Development  
AP Computer Science+  
Networking  
A+ Computer Maintenance  
Internship\*\*  
Entrepreneurship: Virtual Enterprise International\*\*



## Digital Media

Introduction to Computer Technologies (ICT)  
Microsoft Office+  
Branding & Design Concepts  
Digital Animation  
Web Design 1  
Web Design 2  
Multimedia 1  
Multimedia 2  
Internship\*\*  
Entrepreneurship: Virtual Enterprise International\*\*

## Marketing

Introduction to Business  
Microsoft Office+  
Branding & Design Concepts  
Marketing 1  
Marketing 2\*+  
Business Management  
Internship\*\*  
Entrepreneurship: Virtual Enterprise International\*\*

**\*\*Denotes Experiential Learning Opportunity**  
**+Denotes dual-credit with a college/university**

**037010****INTRODUCTION TO COMPUTER TECHNOLOGIES**

Grades: 9-12

½ CTE credit

Prerequisite: None

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

**037100****PERSONAL FINANCE**

Grades: 10-12

½ Personal Finance credit

Prerequisite: None

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

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.

**037270****MICROSOFT OFFICE**

Grades: 9-12

½ CTE credit

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

Microsoft Office is designed for students who are proficient using the keyboard and want to learn advanced skills in the Microsoft Office Suite. Skills learned in this course will be useful for students while furthering their education and in their future career. Students will learn ways to enhance documents in Word, develop professional spreadsheets and charts in Excel, create high-quality presentations in PowerPoint, and design useful databases in Access. Junior and senior students meeting certain criteria may register with Missouri Baptist University through this course and receive credit for Survey of Computing – BCIS 103. In addition, for students meeting certain criteria, college credit is also available through an articulation agreement with St. Louis Community College.

**037280****BRANDING & DESIGN CONCEPTS**

Grades: 9-12

½ CTE credit

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

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

**037310  
INTRODUCTION TO COMPUTER SCIENCE**

Grades: 10-12

½ CTE credit

Prerequisite: None

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

**037350  
INTRODUCTION TO BUSINESS**

Grades: 9-10

½ CTE credit

Prerequisite: None

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

**037111 & 037112 (Year-long)  
ACCOUNTING 1**

Grades: 10-12

1 CTE credit

Prerequisite: Sophomore, Junior or Senior standing

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

**037121 & 037122 (Year-long)  
ACCOUNTING 2 (Honors Option)**

Grades: 11-12

1 CTE credit

Prerequisite: Accounting 1

Accounting II gives students the opportunity to apply their knowledge from Accounting I by mastering advanced accounting activities and concepts. The topics included are departmentalized accounting, inventory planning, depreciation, notes, accrued expenses and revenues, stocks, bonds, and dividends. Students will continue to utilize spreadsheet programs, and automated accounting software to perform accounting procedures. Accounting II provides the foundation of skills and knowledge with which to pursue study in college or enter the work world. Students meeting certain criteria may register with Missouri Baptist University through this course and receive credit for Principles of Financial Accounting ACCT 213. An honors grade may be earned and senior students may also participate in the Business Internship Program.

**037550  
BUSINESS MANAGEMENT**

Grades: 11-12

½ CTE credit

Prerequisite: Junior or Senior standing

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

**037570  
WEB DESIGN 1**

Grades: 9-12

½ CTE credit

Prerequisite: None

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



**037580**

**WEB DESIGN 2**

Grades: 9-12

½ CTE credit

Prerequisite: Web Design 1

A continuation of Web Design 1 and Web Design 2 focuses on advanced techniques for communicating a message via the web. These techniques include vector animation, templates and forms, applying spry menus and other behaviors. College credit is available through an articulation agreement with St. Louis Community College.

**037590**

**MULTIMEDIA**

Grades: 9-12

½ CTE credit

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

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

**037290**

**MULTIMEDIA 2: DIGITAL PRODUCTION**

Grades: 9-12

½ CTE credit

Prerequisite: Multimedia

This course is going to build upon the skills learned in Multimedia but will go much deeper into the focus on production. Students will learn about pre-production considerations and production techniques that were not learned before. Areas of focus will include: video space, time, composition, language, sound and communication, program planning and development, camera systems and operations, lighting tools, design and applications and audio. Also included will be a focus on directing and on new tricks in video editing.

**037320**

**COMPUTER SCIENCE: APPLICATION DESIGN AND DEVELOPMENT**

Grades: 9-12

½ CTE credit

Prerequisite: Intro to Computer Science

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 are our perfect target student. By the end of the course, you will 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.

**037490**

**DIGITAL ANIMATION**

Grades: 10-12

½ CTE credit

Prerequisite: Sophomore, Junior or Senior standing

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.

**037661 & 037662 (Year-long)**  
**ENTREPRENEURSHIP: VIRTUAL ENTERPRISE INTERNATIONAL**

Grades: 10-12

1 CTE credit

Prerequisite: 1.0 credits in business education courses

Virtual Enterprises International (VEI) is an in-school entrepreneurship program and global business simulation that draws on the European tradition of apprenticeships, transforming students into business professionals with an entrepreneurial mindset by bringing the workplace into the classroom. Students learn about business by doing business with coaching from industry professionals. Open to all students, VEI empowers and motivates participants to develop a range of academic, business, technology and professional skills that prepare them for success in postsecondary education, employment and the community. The VEI Approach Using a student-centered approach that emphasizes project-based collaborative learning, VEI replicates the functions and demands of real businesses in both structure and practice. With the guidance of a teacher-facilitator and a business partner, VEI students establish and manage a virtual company, conducting business with other companies domestically and internationally. Students are involved in all aspects of running the business, including human resources, accounting, product development, production, distribution, marketing, and sales. Guided by a task-based curriculum rather than a textbook, VEI students produce the key deliverables that are required in a real business. Students are assigned to work in different departments, typically Administration, Accounting/Finance, Sales, Marketing, Human Resources and IT. The class selects a CEO and managers who oversee each department. Working in teams to make decisions about how to complete their departmental tasks in support of company goals and objectives, students learn from both their successes and mistakes.

**037701 & 037702 (Year-long)**  
**BUSINESS, MARKETING AND INFORMATION TECHNOLOGY INTERNSHIP**

Grades: 11-12

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

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

Exceptions occur. See coordinator for special circumstances.

Prerequisite: Junior or Senior standing

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

This business, marketing and information technology internship opportunity is an agreement between you, a company or organization, and your high school. You agree to work for the company, and they agree to mentor and teach you about careers that you are interested in. The internship program can offer valuable insight into a particular field or career. The internship program is a proven way to gain relevant knowledge, skills, and experience while establishing important connections in the field. The internship program is also a way to get your feet wet and finds out if a specific field is something you could see yourself doing as a full-time job in the future. This program can lead to increased levels of clarity when declaring a college major or pursuing work after high school.

**039321 & 039322 (Year-long)**  
**AP COMPUTER SCIENCE A**

Grades: 11-12

1 CTE credit

Prerequisite: Introduction to Computer Science

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

**047751 & 047752 (Year-long)**

**MARKETING 1**

Grades: 10-12

1 CTE credit

Prerequisite: None

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

**047761 & 047762 (Year-long)**

**MARKETING 2**

Grades: 11-12

1 CTE credit

Prerequisite: Marketing 1 or Instructor Approval

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

PARKWAY  
**choice programs**

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

## **spark!**

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

### **207491 & 207492 (Year-long)**

#### **SPARK! BIOSCIENCE**

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

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

Spark! Bioscience meets at BRDG Park. All Spark! students will be able to earn up to 4 elective credits for the year-long experience based on the number of competencies mastered. More information regarding the competency-based credit model will be shared prior to the start of the school year.

### **207431 & 207432 (Year-long)**

#### **SPARK! ENGINEERING**

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

Spark! Engineering is modeled after cutting-edge engineering schools like, MIT School of Engineering, Olin College of Engineering, Stanford School of Engineering, Purdue University, inspired by Project Lead the Way, and endorsed by local universities. The course is designed for students who are interested in engineering and manufacturing fundamentals, entrepreneurship, and innovation. Immerse yourself with engineers and manufacturers using state-of-the-art tools and software to create and test 3D prototypes solving complex problems. Apply lean manufacturing processes that create value for customers and drive out the waste in production. Students experience hands-on, active learning with full immersion in real-world projects sponsored by business partners. Students work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Engineering projects are tailored to student interest in the fields of chemical, electrical, mechanical, civil, environmental, software/ computer, architectural, advanced manufacturing, robotics, biological, and environmental. College credit is available through St. Louis Community College. Spark! Engineering meets at Maryville University in the Cyber Fusion Center. All Spark! students will be able to earn up to 4 elective credits for the year-long experience based on the number of competencies mastered. More information regarding the competency-based credit model will be shared prior to the start of the school year.

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

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

Why the Spark! Incubator? Industry states 51% of college graduates are lacking the skills essential for success in the professional workplace. Spark! Incubator provides a safe, challenging and innovative environment that exposes students to real entrepreneurial opportunities with the support of industry and community leaders designed to: Discover passions in an authentic experiential learning environment; Develop critical thinking, leadership, communication, curiosity, grit, perseverance, creativity and time management skills; Fostering a growth mindset; Build confidence Spark! entrepreneurs will validate their ideas, perfect a pitch, and seek resources and opportunities that foster growth mindset through start-up launch endeavors. The Spark! Incubator is located at Chesterfield Mall. Dual credit is available through Maryville University and Missouri State University. All Spark! students will be able to earn up to 4 elective credits for the year-long experience based on the number of competencies mastered. More information regarding the competency-based credit model will be shared prior to the start of the school year.

**207451 & 207452 (Year-long)****SPARK! PRE-PROFESSIONAL HEALTH SCIENCES ACADEMY**

Grade: 12

2 Electives credits

Prerequisite: Senior standing

Spark! Pre-Professional Health Sciences Academy 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! Pre-Professional Health Sciences Academy 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. All Spark! students will be able to earn up to 4 elective credits for the year-long experience based on the number of competencies mastered. More information regarding the competency-based credit model will be shared prior to the start of the school year.

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

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

Spark! Teaching and Learning immerses students in teaching and learning. Students will understand learning styles, teaching methodologies, technology integration, cultural responsiveness and a focus on data-driven decision making in the schooling system. Students will engage in a collaborative relationship between teachers, administrators, students and families. This experience will focus on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education. Students will experience the true essence of the teaching and learning process through observation, interaction and teaching. Spark! Teaching & Learning meets at Highcroft Ridge Elementary School in the Parkway School District. Dual credit is available through University of Missouri - St. Louis, Lindenwood University and Maryville University. All Spark! students will be able to earn up to 4 elective credits for the year-long experience based on the number of competencies mastered. More information regarding the competency-based credit model will be shared prior to the start of the school year.

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

Grades: 11-12

2 Electives credits

Prerequisite: Junior or Senior standing

Students in Spark! Technology Solutions will discover a vast array of specialty areas available in technology careers where professionals utilize technology to solve business problems and design products. Students are immersed in a professional environment tackling and solving real world problems while working on client-defined projects and tasks. Students may be exposed to the following areas: software engineering, web development, operating systems, hardware technologies, network design/technologies, management information systems, media (print, film, web) or emerging technologies. College credit is available through Maryville University. Spark! Technology Solutions is located in the Cyber Fusion Center at Maryville University. All Spark! students will be able to earn up to 4 elective credits for the year-long experience based on the number of competencies mastered. More information regarding the competency-based credit model will be shared prior to the start of the school year.

# virtual

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

Over the past decade, virtual learning has grown into a standard practice in many school districts around the country. In 2007, there were an estimated 1,000,000 enrollments in K-12 online learning in the United States. The creation of virtual learning environments in the Parkway School District, will allow our schools to expand their curricular offerings in advanced and specialty courses as well as technical, remedial, and required courses. Classes will be designed to meet a variety of learning styles and needs. A virtual learning program has the potential to be a major factor for educational reform in Parkway. By providing students with a virtual learning option for courses, Parkway directly addresses the mission of creating curious, confident and capable students in an ever changing world. This puts our graduates at an advantage as they further their learning in the future in that they will have the experience and the confidence of having worked in a virtual learning environment. Furthermore, a virtual learning environment has the potential to increase the graduation rate and performance in all groups of students, as well as provide flexibility in when/how they complete their coursework.

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

- Meet the goals of the Parkway Mission
- Address state and federal standards
- Be delivered primarily over the Internet
- Provide opportunities for student collaboration, group work and personalized instruction through virtual interaction with teachers and peers.

*Virtual courses are listed on next page*



*Visit the virtual learning website.  
<http://goo.gl/9DJ7Cs>*

**029560V****AP ART HISTORY 1: PREHISTORIC TO EARLY RENAISSANCE**

Grades: 11-12

½ Fine Arts credit

Prerequisite: None

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

**029570V****AP ART HISTORY 2: RENAISSANCE TO CONTEMPORARY**

Grades: 11-12

½ Fine Arts credit

Prerequisite: Art History 1 recommended

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

**037100V****PERSONAL FINANCE**

Grades: 10-12

½ Personal Finance credit

Prerequisite: None

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

**037900V****FOUNDATIONS OF VIDEO GAME DESIGN**

Grades: 9-12

½ CTE credit

Prerequisite: None

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

**067411V & 067412V (Year-long)****JAPANESE 1**

Grades: 9-12

1 Elective credit

Prerequisite: None

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

**067421V & 067422V (Year-long)****JAPANESE 2**

Grades: 10-12

1 Elective credit

Prerequisite: Japanese 1

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

**067611V & 067612V (Year-long)****MANDARIN CHINESE 1**

Grades: 9-12

1 Elective credit

Prerequisite: None

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

**077100V****HEALTH & WELLNESS**

Grade: 10

½ Health credit

Prerequisite: None

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



**119901V & 119902V (Year-long)**

**AP STATISTICS**

Grades: 11-12

1 Math credit

Prerequisite: Algebra 2 with Trigonometry

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

**157790V**

**SOCIOLOGY**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

## 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 on the Fern Ridge website. Attending Fern Ridge is a privilege and space is limited.



Visit the Fern Ridge Program website.  
<http://goo.gl/FmrwqP>

## ENGLISH LANGUAGE ARTS

Required English Language Arts Credits: 4.0 credits

### SUGGESTED PROGRAM OF STUDY 9<sup>TH</sup> -11<sup>TH</sup> GRADES

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

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

### SUGGESTED PROGRAM OF STUDY 12<sup>TH</sup> GRADE

Core Courses		Honors Courses	English Electives (English credit offered)
<b>Fall</b>	English 4A	AP Literature and Composition 1*	<ul style="list-style-type: none"> <li>• African American History and Literature (Africa and African Diaspora)</li> <li>• Creative Writing: Short Story or Poetry</li> <li>• Masterpieces 1</li> <li>• Comparative Mythology</li> <li>• Creative Writing Nonfiction (must be enrolled in upper level journalism class)</li> <li>• Film and Composition</li> <li>• Introduction to College Writing</li> </ul>
<b>Spring</b>	English 4B	AP Literature and Composition 2	<ul style="list-style-type: none"> <li>• African American History and Literature (Africans in America)</li> <li>• Creative Writing: Poetry or Short Story</li> <li>• Masterpieces 2</li> <li>• Comparative Mythology</li> <li>• Creative Writing Nonfiction (must be enrolled in upper level journalism class)</li> <li>• Film and Composition</li> <li>• College Communication Arts</li> </ul>

**NOTE:** *Comparative Mythology*, *Film and Composition*, and *Creative Writing* classes may not be offered both semesters. You may not choose which semester you enroll in the course.

### ENGLISH LANGUAGE ARTS ELECTIVES

	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
African American History and Literature		X♦	X♦	X
Creative Writing: Short Story			X♦	X
Creative Writing: Poetry			X♦	X
Masterpieces 1 and 2				X
Comparative Mythology			X♦	X
Creative Writing Nonfiction (must be enrolled in upper level journalism class)			X♦	X
Film and Composition			X♦	X
Introduction to College Writing (needs recommendation from department)				X
College Communication Arts (needs recommendation from department)				X
Contemporary World Literature	X♦	X♦		

♦ must be concurrently enrolled in English 1 in 9<sup>th</sup> grade, English 2 in 10<sup>th</sup> grade, or English 3 in 11<sup>th</sup> grade

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

**ENGLISH 1**

Grade: 9

1 English credit

Prerequisite: None

In this course, students will read and study a variety of 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 (Year-long)**

**HONORS ENGLISH 1**

Grade: 9

1 English credit

Prerequisite: Department Approval

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 (Year-long)**

**ENGLISH 2**

Grade: 10

1 English credit

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

The study of literature, composition, and oral communication skills forms the basis of this course, which continues the work begun in English 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 (Year-long)**

**HONORS ENGLISH 2**

Grade: 10

1 English credit

Prerequisite: English 1 and Department Approval

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.

**057580**

**CONTEMPORARY WORLD LITERATURE**

Grades: 9-10

½ English credit

Prerequisite: Concurrent enrollment in English 1 or English 2

The focus of this course is contemporary world literature. African, Latin American, European, and Asian writers tell their stories using their own voices and heroes. Among the minorities in America, the Native American, African American, Asian American, and Hispanic voices are available in fine contemporary literature. The various genres include novels, short stories, plays, films, nonfiction and poetry. This literary experience will focus on some of the best works not only by males and not only from the West. Evaluation will be through self-selected reading projects, literature circles, discussion, presentations, and essays. The written response will be analytical, practical, and creative since all methods are important for this type of literature.

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

**ENGLISH 3**

Grade: 11

1 English credit

Prerequisite: English 2

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

**057120**

**INTRODUCTION TO COLLEGE WRITING**

Grade: 12

½ English credit

Prerequisite: Department approval

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

**057160**

**CREATIVE WRITING: POETRY**

Grades: 11-12

½ English credit

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

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

**057171 & 057172 (Year-long)**

**CREATIVE WRITING: NON-FICTION**

Grades: 11-12

1 English credit

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

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

**057180**

**CREATIVE WRITING: SHORT STORY**

Grades: 11-12

½ English credit

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

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

**057260**

“not an NCAA “core course”

**COLLEGE COMMUNICATION ARTS**

Grade: 12

½ English credit

Prerequisite: Department approval. May not replace English 3.

This course is designed for seniors who plan to attend college or a technical school after graduation from high school. The goals for the course are to improve reading comprehension of content-area textbooks; to increase vocabulary; to improve classroom skills; to improve writing skills; to learn study skills; to increase critical thinking and analysis; and to develop self-awareness and confidence as a student.

**057361**

**ENGLISH 4A**

Grade: 12

½ English credit (1st Semester)

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

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

This course 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.

**057372**

**ENGLISH 4B**

Grade: 12

½ English credit (2nd Semester)

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

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

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

**057501 & 057502 (Year-long)**  
**AFRICAN-AMERICAN HISTORY & LITERATURE**

Grades: 10-12

1 English credit

Prerequisite: Students must have passed 1.5 units of English and have passed Modern American History to be eligible to take this course. Students may NOT substitute African American History and Literature for English 1, 2 or 3. If not a senior, the student must be concurrently enrolled in English 2 or 3.

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

Semester 1: Africa and the African Diaspora

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

Semester 2: Africans in America

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

**057540**  
**COMPARATIVE MYTHOLOGY**

Grades: 11-12

½ English credit

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

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

**057400**  
**FILM AND COMPOSITION** \*not an NCAA "core course"

Grades: 11-12

½ English credit

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

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

**057560**  
**MASTERPIECES 1**

Grade: 12

½ English credit

Prerequisite: Successful completion of 3 credits of English.

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

**057570**

**MASTERPIECES 2**

Grade: 12

½ English credit

Prerequisite: Successful completion of 3 credits of English

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

**058080**

**TRENDS IN AMERICAN LITERATURE (HONORS)**

Grade: 11

½ English credit

Prerequisite: English 1 & 2 (or Honors Equivalent)

This course is designed for the most capable junior students who have good reading and discussion skills. The major periods of the development of American literary style, encompassing the Puritans through the moderns, are carefully examined. Selected novels are included. Evaluation is based primarily on essays. A weighted grade is given.

**059300**

**AP ENGLISH LANGUAGE AND COMPOSITION**

Grade: 11-12

½ English credit

Prerequisite: English 1 & 2 (or Honors Equivalent)

Designed for highly motivated juniors and seniors with good reading and writing ability, this course provides students with opportunities to explore a variety of subjects using expository, analytical, and argumentative writing while demonstrating an awareness of audience and purpose. Students will select and cite primary and secondary sources (fiction, nonfiction, print and non-print texts) using Modern Language Association models. Vocabulary, sentence structure, and logical organization are emphasized. This course prepares students for the AP English Language & Composition exam. Students have the option to earn college credit through the AP exam. A weighted grade is given.

**059041**

**AP ENGLISH LITERATURE AND COMPOSITION 1**

Grade: 12

½ English credit (1st Semester) - 1/2 English credit (2nd Semester)

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

Semester 1 – This is a college preparatory course includes a survey of the growth of the English language, a study of the English epic romances, poetry and riddles, and a review of the works of Chaucer. An in-depth study of a limited number of Shakespeare's works is undertaken. Elizabethan theater and general philosophical outlooks are also considered. 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.

**059042**

**AP ENGLISH LITERATURE AND COMPOSITION 2**

Grade: 12

½ English credit (1st Semester) - 1/2 English credit (2nd Semester)

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

Semester 2 – This capstone survey honors English course is a survey of the masterpieces of European literature from the 17th century to the recent past, from the enlightenment to the heart of darkness. This course prepares students for the AP English Literature & Composition exam. Students have the option to earn college credit through the AP exam. A weighted grade is given.

## SCHOOL PUBLICATIONS

**057300** "not an NCAA "core course"  
**BEGINNING JOURNALISM**  
Grades: 9-11  
½ Elective credit  
Prerequisite: Freshman, Sophomore or Junior standing

Students will learn basic journalism skills necessary to be successful in Newspaper 1 and Yearbook 1. Curriculum includes, but is not limited to, vocabulary, writing, editing, layout/design, desktop publishing, the use of different software programs and the history of newsprint journalism. Writing will focus on news writing, feature writing, and sports writing.

**057350** "not an NCAA "core course"  
**PHOTOJOURNALISM**  
Grades: 9-12  
½ CTE credit  
Prerequisite: None

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

**057311 & 057312 (Year-long)**  
**NEWSPAPER 1**  
Grades: 9-12  
1 CTE credit  
Prerequisite: Beginning Journalism, Photojournalism or recommendation of English teacher after application by student

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

**057321 & 057322 (Year-long)**  
**NEWSPAPER 2**  
Grades: 10-12  
1 CTE credit  
Prerequisite: Newspaper 1

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

**057331 & 057332 (Year-long)**  
**NEWSPAPER 3 (HONORS OPTION)**  
Grades: 11-12  
1 CTE credit  
Prerequisite: Newspaper 2

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

**057341 & 057342 (Year-long)**  
**NEWSPAPER 4 (HONORS OPTION)**  
Grades: 11-12  
1 CTE credit  
Prerequisite: Newspaper 2 and 3

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



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

**YEARBOOK 1**

Grades: 9-12

1 CTE credit

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

This course continues to build upon the basics of journalism presented in Beginning Journalism. It expands to include more advanced study of design/layout and participation in production of the school yearbook and photography. Students begin the exploration of scholastic journalism and the law as well as current issues in scholastic and professional journalism.

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

**YEARBOOK 2**

Grades: 10-12

1 CTE credit

Prerequisite: Yearbook 1

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

**057431 & 057432 (Year-long)**

**YEARBOOK 3 (HONORS OPTION)**

Grades: 11-12

1 CTE credit

Prerequisite: Yearbook 2

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

**057441 & 057442 (Year-long)**

**YEARBOOK 4 (HONORS OPTION)**

Grade: 12

1 CTE credit

Prerequisite: Yearbook 3

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

## **SPEECH & DEBATE**

**057600**

### **COMMUNICATION 1**

Grades: 9-12

½ Elective credit

Prerequisite: None

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.

**057620**

### **ADVANCED PROJECTS IN SPEECH**

Grades: 11-12

½ Elective credit

Prerequisite: Previous speech course work and permission of instructor

This course provides students with in-depth study of debate and public speaking. Students will choose areas of focus within the field of speech for their advanced projects. These projects will help students improve their critical thinking and speaking skills as well as their ability to evaluate these skills. Evaluation is based on unit assignments, performance, independent or group research, and project presentations. Forensic team participation is a requirement of this course.

**057630**

### **PUBLIC SPEAKING**

Grades: 9-12

½ Elective credit

Prerequisite: None

In this class, a practical approach is made toward speaking that builds confidence and poise. The students present a wide variety of speeches in an informal classroom atmosphere. The format is designed to prepare students for everyday classroom participation as well as for other speaking opportunities. Emphasis is on improved self-confidence and self-expression as speaking, listening, and thinking skills are built. Evaluation is based on performance, criticism, and unit assignments. Juniors and seniors may enroll in college credit through the Missouri State University. Some memorization may be required.

**057700**

### **RADIO AND TELEVISION ANNOUNCING**

Grades: 9-12

½ Elective credit

Prerequisite: None

This course features instruction in current techniques of radio and television announcing. Included in the course are news editing, composition and delivery of special features, and team and individual announcing and performing. Techniques for improving students in articulation, projection, and communication, along with other skills required in media all receive emphasis. Students discover how radio and television influence people and how media have been developed.

**057650**

### **ADVANCED BROADCASTING**

Grades: 11-12

½ Elective credit

Prerequisite: Radio and Television and Instructor approval

Students will need to have an understanding of delivery skills as well as video filming and editing. Students will have the opportunity to write, direct, edit and produce audio and video projects. Students will also have the opportunity to work on lighting, scenery, sound editing and scriptwriting.

**057660****DEBATE 1**

Grades: 9-12

½ English credit

Prerequisite: None

Debate is a highly disciplined course designed to acquaint the student with the procedures involved in a researched, structured argument. The course centers on the current national debate topics, although other issues are researched and debated. Organizational skills, as well as public speaking skills, are reinforced during the semester. Challenge debates with other schools and demonstration debates in the classroom put these skills into use. This course may be taken for .5 English credit, but may not replace English 1, 2, or 3.

**057670****DEBATE 2**

Grades: 10-12

½ Elective credit

Prerequisite: Debate 1

Designed to follow the basic debate course, Debate 2 is an in-depth study of all forensic techniques, particularly those used in competitive debates. The tools of research and logic are emphasized as well as the effectiveness of the various kinds of reasoning. Oratory and extemporaneous speaking are also studied. Forensic team participation is a requirement of this course.

## **ENGLISH FOR SPEAKERS OF OTHER LANGUAGES**

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

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

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

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

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

English language learners who have an intermediate proficiency determined by WAPT/ACCESS scores and ESOL staff recommendation are eligible for this class. Continuing growth in the areas of listening, speaking, reading and writing will be emphasized. Further development of the American culture and an increased awareness of academic standards are introduced.

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

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

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

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

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

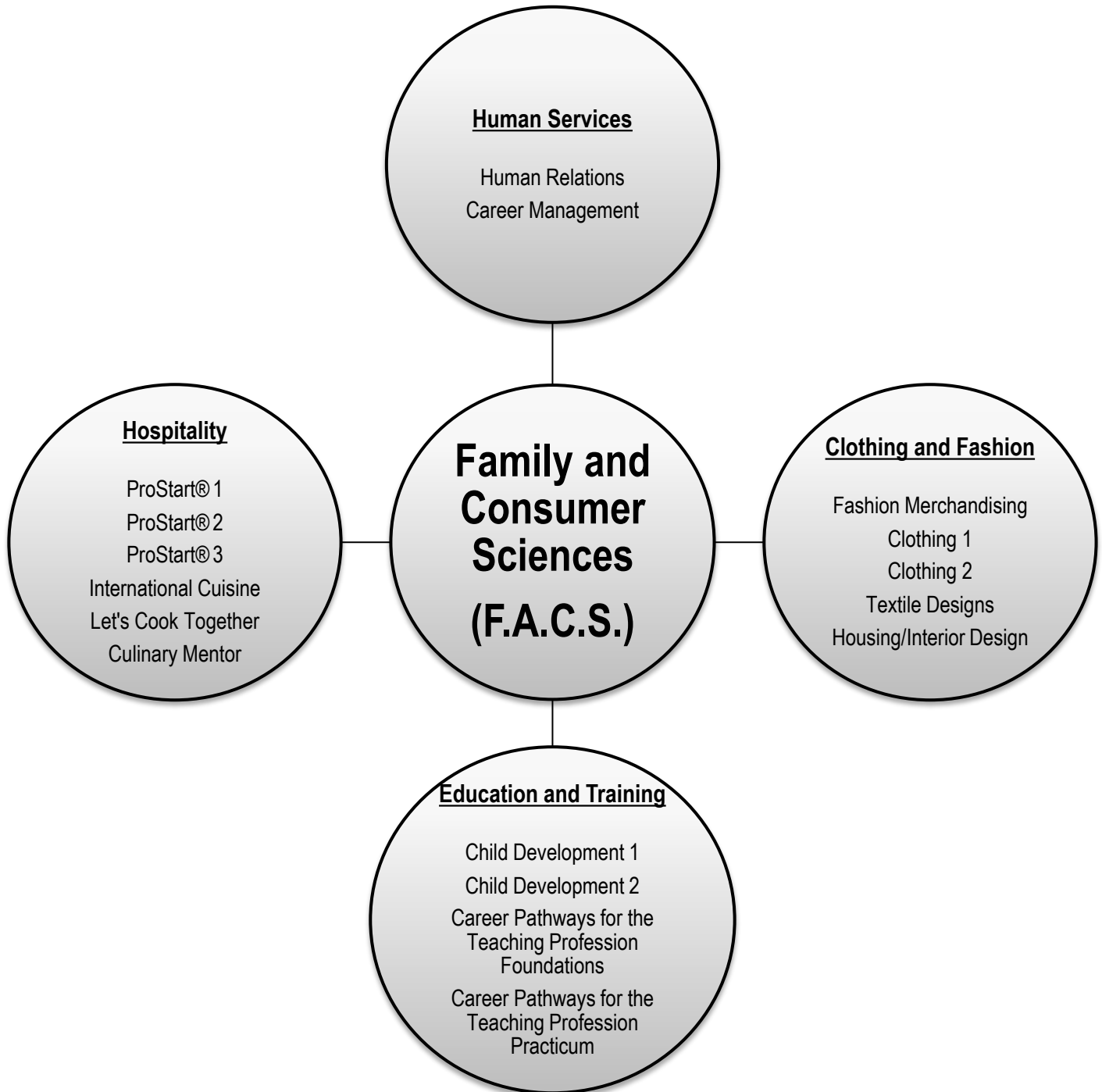
English Language Learners who are progressing into advanced proficiency levels, but still need to strengthen their skills to prepare for regular English classes need to enroll in this course. Emphasis is placed on improving grade level reading, writing satisfactory essays, and improving foundations for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

### **052951 & 052952 (Year-long) ESOL ESSENTIALS**

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

This course is designed for students who have limited English proficiency. Emphasis is placed on acquiring skills in listening, reading, speaking and writing. This intensive instruction in a supportive and non-threatening environment helps students learn English quickly and allows ELLs to make necessary academic and social adjustments.

# FAMILY & CONSUMER SCIENCES



**095950**

**LET'S COOK TOGETHER**

Grades: 9-12

½ CTE credit

Prerequisite: Department approval

This course provides modified instruction for students with unique abilities in the area of culinary arts. Students will develop personal and social responsibility, as well as knowledge and skills in the areas of nutrition, wellness, food safety, dining etiquette and culinary basics. Each student will be working together with general education mentors in grades 10-12, to increase competency and enjoyment in cooking and nutrition.

**097010**

**PROSTART 1**

Grades: 9-12

½ CTE credit

Prerequisite: None

ProStart 1 provides an opportunity for the students with little or no prior foods preparation experience, but with an interest in food, to learn about culinary skills. This basic course introduces students into the world of professional cooking. Training in safety and sanitation (ServSafe), kitchen essentials including foodservice equipment and culinary techniques, the importance of communication, potatoes and grains are taught in this beginning course. Lab experiences will be provided throughout the semester in order to reinforce these skills. The ProStart Program is a two-year industry-based program that prepares students for careers in the restaurant and foodservice industry.

**097020**

**PROSTART 2**

Grades: 9-12

½ CTE credit

Prerequisite: Successful Completion of ProStart 1

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 food service industry.

**097051 & 097052 (Year-long)**

**PROSTART 3**

Grades: 10-12

1 CTE credit

Prerequisite: Successful Completion of ProStart 2

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

**097110**

**INTERNATIONAL CUISINE**

Grades: 11-12

½ CTE credit

Prerequisite: Junior or Senior standing

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

**097210**

**CLOTHING 1**

Grades: 9-12

½ CTE credit

Prerequisite: None

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

**097220****CLOTHING 2**

Grades: 9-12

½ CTE credit

Prerequisite: Successful Completion of Clothing I

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

**097250****FASHION MERCHANDISING**

Grades: 9-12

½ CTE credit

Prerequisite: None

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

**097260****TEXTILE DESIGNS**

Grades: 9-12

½ CTE credit

Prerequisite: None

Experience the satisfaction of creating unique and useful items to wear or display in the home. This course provides the opportunity for students to learn many sewing related skills not taught in other sewing classes. Some sewing skill is helpful, but not necessary for success. Three projects will be completed. Projects may include knitting, crocheting, quilting, counted cross-stitch and applique. Students may need to purchase supplies for the course.

**097400****HUMAN RELATIONS**

Grades: 9-12

½ CTE credit

Prerequisite: None

Human Relations will equip students to be confident and self-directed by developing an understanding of the person they are and the person they may become. Throughout this course, students will work through the decision and problem solving process in a variety of topics that will affect them personally and professionally. Students will singularly and collaboratively investigate their personal, social and civic values in order to set measurable goals. While working and living in a diverse community, students will learn to communicate clearly, effectively and with reason to represent their thoughts 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.

**097420****CHILD DEVELOPMENT 1**

Grades: 9-12

½ CTE credit

Prerequisite: None

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

**097430**

**CHILD DEVELOPMENT 2**

Grades: 9-12

½ CTE credit

Prerequisite: Successful Completion of Child Development 1

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

**097460**

**CAREER MANAGEMENT**

Grades: 9-12

½ CTE credit

Prerequisite: None

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

**097550**

**HOUSING AND INTERIOR DESIGN**

Grades: 9-12

½ CTE credit

Prerequisite: None

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

**097561**

**CAREER PATHWAYS FOR THE TEACHING PROFESSION FOUNDATIONS**

Grades: 11-12

½ CTE credit

Prerequisite: Junior or Senior standing

In this course, you will receive a general introduction to the area of education and teaching. Course topics include: learning styles, teaching methodologies, cultural responsiveness and a focus on data-driven decision making in the schooling system. This course focuses on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education. This course is a pre-requisite for The Career Pathways for the Teaching Profession Practicum 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. (Must complete both this and the Practicum for dual credit).



**097562**

**CAREER PATHWAYS FOR THE TEACHING  
PROFESSION PRACTICUM**

Grades: 11-12

½ CTE credit

Prerequisite: Career Pathways for the Teaching Profession Foundations

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

**097950**

**CULINARY MENTOR**

Grades: 10-12

½ Elective credit

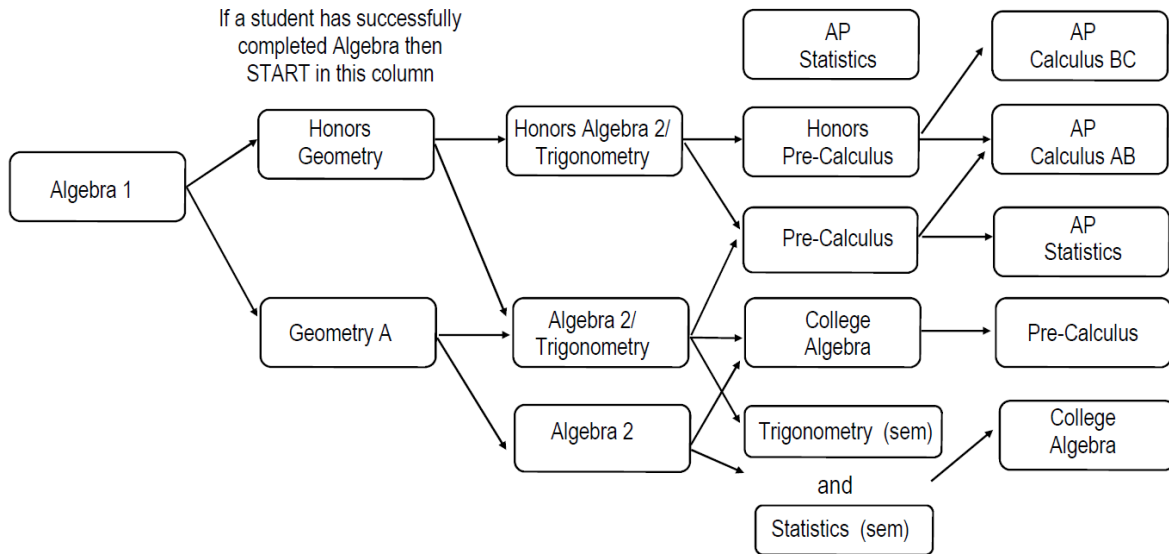
Prerequisite: ProStart 1 or International Cuisine

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

# MATHEMATICS

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

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



## **HONORS PROGRAM:**

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

## **MATH ELECTIVES:**

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

## **HONORS:**

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

## **COMPETITIVE COLLEGE PREPARATION:**

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

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

Grades: 9-10

1 Math credit

Prerequisite: Mathematical 8

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

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

Grades: 9-12

1 Math credit

Prerequisite: Algebra 1

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

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

Grades: 9-10

1 Math credit

Prerequisite: Algebra 1 (Grade 8) or Department approval

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

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

Grades: 11-12

1 Math credit

Prerequisite: Geometry

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

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

Grades: 10-12

1 Math credit

Prerequisite: Geometry A or Department approval

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

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

Grades: 10-11

1 Math credit

Prerequisite: Honors Geometry or Department approval

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

**117410**  
**TRIGONOMETRY (Semester Only)**

Grades: 10-12

½ Math credit

Prerequisite: Algebra 2

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

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

Grades: 10-12

1 Math credit

Prerequisite: Algebra 2 with Trigonometry or Department approval

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

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

Grades: 11-12

1 Math credit

Prerequisite: Algebra 2 with Trigonometry

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

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

Grades: 11-12

1 Math credit

Prerequisite: Honors Algebra 2 with Trigonometry or Department approval

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

**117900**  
**STATISTICS (Semester Only)**

Grades: 10-12

½ Math credit

Prerequisite: Algebra 2

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

**118761 & 118762**  
**HONORS CALCULUS III (Year-long)**

Grade: 12  
1 Math credit  
Prerequisite: Calculus BC

Calculus III continues the study of analytic geometry and calculus started in Calculus BC. The focus of this course is multi-dimensional analysis of figures with an emphasis on vectors properties, vector fields, vector analysis, vector valued functions, calculations, and applications of vectors. Additional topics will include cylindrical and spherical coordinates, arc length and curvature, functions of several variables, partial and directional derivatives, gradients, extrema, Lagrange multipliers, multiple integrals, change of variables, surface area, and Stokes' Theorem.

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

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

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

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

Grade: 12  
1 Math credit  
Prerequisite: Honors Pre-Calculus

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

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

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

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

## MODERN & CLASSICAL LANGUAGES

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

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

All Level 4 courses have Honors option and are for Juniors and Seniors. All Level 5 courses are designated Honors courses. In Levels 3, 4, and 5, students who qualify may have the option of earning college credit. See the department leader.

MODERN & CLASSICAL LANGUAGES COURSE SEQUENCE			
French 1	German 1	Latin 1	Spanish 1
↓	↓	↓	↓
French 2	German 2	Latin 2	Spanish 2
↓	↓	↓	↓
French 3	German 3	Latin 3	Spanish 3
↓	↓	↓	↓
French 4 (Honors Option)	German 4 (Honors Option)	Latin 4 (Honors Option)	Spanish 4 (Honors Option)
↓	↓		↓
French 5 (Honors)	German 5 (Honors)		Spanish 5 (Honors)

## FRENCH

### **067011 & 067012 (Year-long)**

#### **FRENCH 1**

Grades: 9-12

1 Elective credit

Prerequisite: None

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

### **067021 & 067022 (Year-long)**

#### **FRENCH 2**

Grades: 9-12

1 Elective credit

Prerequisite: French 1 or French A & B

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

### **067031 & 067032 (Year-long)**

#### **FRENCH 3**

Grades: 10-12

1 Elective credit

Prerequisite: French 2

French 3 students will be able to communicate more freely and creatively in the French language. Students will study the history and culture of various regions to better make connections within the cultures of the French-speaking world and the United States. At the end of French 3, students will be able to use the language to understand and communicate in many different situations. Emphasis will be on learning to elaborate in formal and informal situations in French. In Levels 3, 4, and 5, students who qualify may have the option of earning college credit. See department leader.

### **067041 & 067042 (Year-long)**

#### **FRENCH 4 (HONORS OPTION)**

Grades: 11-12

1 Elective credit

Prerequisite: French 3

Organized around themes based on contemporary social, political and cultural issues of French-speaking societies, French 4 students will explore topics such as the cultural identity, the changing roles in families and relationships, environmental issues, and the power of the media in today's society. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they tackle listening, speaking, reading and writing tasks and assignments featuring authentic literature, film, and topics of contemporary interest and concern. There will be opportunities for student performance events via multimedia presentations. The French 4 course will seek to improve the students' ability to read and appreciate literary and non-literary texts in French. Students in French 4 will have a deeper awareness and understanding of the cultural diversity of the French-speaking world and their role in it. An Honors grade may be earned. In Levels 3, 4, and 5, students who qualify may have the option of earning college credit. See department leader.

**068051 & 068052 (Year-long)**

**FRENCH 5 (HONORS)**

Grade: 12

1 Elective credit

Prerequisite: French 4

The integrated study of art, history, film, literature, and music in French 5 promotes cultural knowledge and understanding as well as the further development of language skills. Students experience the culture of the French language firsthand by harnessing technology and, at times even interacting with native speakers, and exploring cultural texts. They are challenged to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they tackle listening, speaking, reading and writing tasks featuring authentic literature, film, and topics of contemporary interest and concern. Student performance events may take the form of multimedia presentations. Ultimately, students in French 5 will understand clearly that they are members of a diverse and increasingly global society. In Levels 3, 4, and 5, students who qualify may have the option of earning college credit. See department leader. A weighted grade is given for Level 5. Those wanting to earn AP credit may also choose to take the AP Language Examination in the language.



## GERMAN

### **067111 & 067112 (Year-long)**

#### **GERMAN 1**

Grades: 9-12

1 Elective credit

Prerequisite: None

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

### **067121 & 067122 (Year-long)**

#### **GERMAN 2**

Grades: 9-12

1 Elective credit

Prerequisite: German 1 or German A & B

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

### **067131 & 067132 (Year-long)**

#### **GERMAN 3**

Grades: 10-12

1 Elective credit

Prerequisite: German 2

German 3 students will learn to communicate more freely and creatively in the language. They will study the history and culture of various regions of the German-speaking world. By the end of German 3, students will be able to use German to understand and communicate in many different situations. Emphasis will be on learning to elaborate in formal and informal situations in German. In Levels 3, 4, and 5, students who qualify may have the option of earning college credit. See department leader.

### **067141 & 067142 (Year-long)**

#### **GERMAN 4 (HONORS OPTION)**

Grades: 11-12

1 Elective credit

Prerequisite: German 3

Organized around themes based on contemporary social, political and cultural issues of German-speaking societies, German 4 students will explore topics such as the cultural identity, the changing roles in families and relationships, environmental issues, and the power of the media in today's society. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they tackle listening, speaking, reading and writing tasks and assignments featuring authentic literature, film, and topics of contemporary interest and concern. There will be opportunities for student performance events via multimedia presentations. The German 4 course will seek to improve the students' ability to read and appreciate literary and non-literary texts in German. Students in German 4 will have a deeper awareness and understanding of the cultural diversity of the German-speaking world and their role in it. An Honors grade may be earned. In levels 3, 4, and 5, students who qualify may have the option of earning college credit. See department leader.

### **068151 & 068152 (Year-long)**

#### **GERMAN 5 (HONORS)**

Grade: 12

1 Elective credit

Prerequisite: German 4

The integrated study of art, history, film, literature, and music in German 5 promotes cultural knowledge and understanding as well as the further development of language skills. Students experience the culture of the German language firsthand by harnessing technology and, at times even interacting with native speakers, and exploring cultural texts. They are challenged to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they tackle listening, speaking, reading and writing tasks featuring authentic literature, film, and topics of contemporary interest and concern. Student performance events may take the form of multimedia presentations. Ultimately, students in German 5 will understand clearly that they are members of a diverse and increasingly global society. In Levels 3, 4, and 5, students who qualify may have the option of earning college credit. See department leader. As an Honors course, a weighted grade is given for Level 5. Those wanting to earn AP credit may also choose to take the Advanced Placement Language Examination in the language.

## LATIN

### **067211 & 067212 (Year-long)**

#### **LATIN 1**

Grades: 9-12  
1 Elective credit  
Prerequisite: None

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

### **067221 & 067222 (Year-long)**

#### **LATIN 2**

Grades: 9-12  
1 Elective credit  
Prerequisite: Latin 1 or Latin A & B

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

### **067231 & 067232 (Year-long)**

#### **LATIN 3**

Grades: 10-12  
1 Elective credit  
Prerequisite: Latin 2

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

### **067241 & 067242 (Year-long)**

#### **LATIN 4 (HONORS OPTION)**

Grades: 11-12  
1 Elective credit  
Prerequisite: Latin 3

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

## SPANISH

### **067311 & 067312 (Year-long)**

#### **SPANISH 1**

Grades: 9-12

1 Elective credit

Prerequisite: None

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

### **067321 & 067322 (Year-long)**

#### **SPANISH 2**

Grades: 9-12

1 Elective credit

Prerequisite: Spanish 1 or Spanish A & B

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

### **067331 & 067332 (Year-long)**

#### **SPANISH 3**

Grades: 10-12

1 Elective credit

Prerequisite: Spanish 2

Spanish 3 students will learn to communicate more freely and creatively in the language. They will study the history and culture of various regions to better make connections within the cultures of the Spanish-speaking world and the United States. By the end of the course, students will have learned to use Spanish to understand and communicate in many different situations in the present, past and future. Emphasis will be on learning to elaborate in formal and informal situations in Spanish. Students who qualify may have the option of earning college credit.

### **067341 & 067342 (Year-long)**

#### **SPANISH 4 (HONORS OPTION)**

Grades: 11-12

1 Elective credit

Prerequisite: Spanish 3

Organized around themes based on contemporary social, political and cultural issues of Spanish-speaking societies, Spanish 4 students will explore topics such as the cultural identity, the changing roles in families and relationships, environmental issues, and the power of the media in today's society. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they tackle listening, speaking, reading and writing tasks and assignments featuring authentic literature, film, and topics of contemporary interest and concern. There will be opportunities for student performance events via multimedia presentations. The Spanish 4 course will seek to improve the students' ability to read and appreciate literary and non-literary texts in Spanish. Students in Spanish 4 will have a deeper awareness and understanding of the cultural diversity of the Spanish-speaking world and their role in it. An Honors grade may be earned. Students who qualify may have the option of earning college credit.

### **068351 & 068352 (Year-long)**

#### **SPANISH 5 (HONORS)**

Grade: 12

1 Elective credit

Prerequisite: Spanish 4

The integrated study of art, history, film, literature, and music in Spanish 5 promotes cultural knowledge and understanding as well as the further development of language skills. Students experience the culture of the Spanish language firsthand by harnessing technology and, at times even interacting with native speakers, and exploring cultural texts. They are challenged to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts as they tackle listening, speaking, reading and writing tasks featuring authentic literature, film, and topics of contemporary interest and concern. Student performance events may take the form of multimedia presentations. Ultimately, students in Spanish 5 will understand clearly that they are members of a diverse and increasingly global society. In Levels 3, 4, and 5, students who qualify may have the option of earning college credit. As an Honors course, a weighted grade is given for Level 5. Those wanting to earn AP credit may also choose to take the Advanced Placement Language Examination in the language.

## MUSIC

### **127001 & 127002 (Year-long) CHORUS**

Grades: 9-12  
1 Fine Arts credit  
Prerequisite: None

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

### **127041 & 127042 (Year-long) CONCERT CHORALE**

Grades: 9-12  
1 Fine Arts credit  
Prerequisite: Audition

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

### **127061 & 127062 (Year-long) CHAMBER CHOIR**

Grades: 9-10  
1 Fine Arts credit  
Prerequisite: Audition and recommendation of previous director

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

### **127171 & 127172 (Year-long) CONCERT CHOIR MIXED (HONORS OPTION)**

Grades: 11-12  
1 Fine Arts credit  
Prerequisite: Audition

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

### **127181 & 127182 (Year-long) CONCERT CHOIR TREBLE (HONORS OPTION)**

Grades: 11-12  
1 Fine Arts credit  
Prerequisite: Audition

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

### **127411 & 127412 (Year-long) CONCERT ORCHESTRA 1**

Grade: 9  
1 Fine Arts credit  
Prerequisite: Previous instrumental experience and audition for the instructor.

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

**127421 & 127422 (Year-long)****CONCERT ORCHESTRA 2**

Grades: 10-12

1 Fine Arts credit

Prerequisite: Previous instrumental experience and audition for the instructor.

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

**127441 & 127442 (Year-long)****SYMPHONIC ORCHESTRA (HONORS OPTION)**

Grades: 9-12

1 Fine Arts credit

Prerequisite: Previous instrumental experience and audition for the instructor.

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

**127512 (Second Semester only)****CONCERT BAND**

Grades: 9-12

1 Fine Arts credit

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

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

**127521 & 127522 (Year-long)****JAZZ LAB**

Grades: 9-12

1 Fine Arts credit

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

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

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

Grades: 9-12

1 Fine Arts credit

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

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

**127561 (First Semester only)****MARCHING BAND**

Grades: 9-12

0.130 Fine Arts credit

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

During the first semester, members of the Symphonic Band are automatically included in the Marching Band, which performs at home football games, parades, competitions, and other extracurricular activities. Attendance is required for all performances and special rehearsals. A fee may be required to pay for optional trips and other program expenses.

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

Grades: 9-12

1 Fine Arts credit

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

Symphonic Band 2 is designed for students who have achieved a high level of proficiency as performers through their previous musical experiences. Members of the Symphonic Band 2 are automatically included in the Marching Band and will participate in an active fall marching season. Through many performance opportunities students will be introduced to a wide variety of quality band literature representing many styles and historical periods. Musicianship, listening, interpretive and reading skills will be refined and individual responsibility within the ensemble emphasized. Symphonic Band 2 students are eligible to audition and participate with the orchestra, the jazz band, and with various small ensembles. Attendance is required for all performances and special rehearsals, including a summer band camp. An Honors grade may be earned by juniors and seniors only.

**127610****PIANO**

Grades: 9-12

½ Fine Arts credit

Prerequisite: None

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

**127620****PIANO 2**

Grades: 9-12

½ Fine Arts credit

Prerequisite: Piano or permission of instructor

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

**127630****GUITAR**

Grades: 9-12

½ Fine Arts credit

Prerequisite: None

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

**127640****GUITAR 2**

Grades: 9-12

½ Fine Arts credit

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

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

**127701 & 127702 (Year-long)**  
**MUSIC THEORY (HONORS OPTION)**

Grades: 10-12

1 Fine Arts credit

Prerequisite: Permission of the instructor

Music Theory is a course in the basic elements of music designed for the student with a sincere interest in music. It is strongly recommended for prospective college music major/minors and for students interested in composition. Topics include the study of rhythm, melodic and harmonic structure; practice in the skills that enable you to hear rhythm, melody and harmony and development of the basic skills needed to compose music. This course will help prepare students for the Advanced Placement test in music. An Honors grade may be earned by juniors and seniors only.

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

Grades: 10-12

1 Fine Arts credit

Prerequisite: Permission of the instructor

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

**127760**  
**MUSIC DESIGNS**

Grades: 9-12

½ Fine Arts credit

Prerequisite: None

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

## **PHYSICAL & HEALTH EDUCATION**

### **HEALTH**

**077100**

#### **HEALTH AND WELLNESS**

Grade: 10

½ Health credit (required)

Prerequisite: Sophomore standing

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

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.

### **PHYSICAL EDUCATION**

#### **9th Grade**

Physical Fitness Concepts (prerequisite to all other PE courses)

#### **10th, 11th, and 12th Grades**

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

#### **GRADUATION REQUIREMENTS:**

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



**087110****PHYSICAL FITNESS CONCEPTS**

Grades: 9-10

½ Phys Ed credit (required)

Prerequisite: Freshman or sophomore standing

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

**084950****LET'S MOVE TOGETHER**

Grades: 9-12

½ Phys Ed credit

Prerequisite: Department approval

This course provides modified instruction for students with unique abilities in the area of physical education. Students will develop physical and fundamental motor skills and patterns (throwing, catching, walking, running), as well as skills in aquatics, dance, and individual group games and sports. Each student will be working together with general education mentors in grades 10-12, to increase competency in fitness and sport skills, and increase enjoyment of physical activity.

**087140****COMPETITIVE SPORTS AND GAMES**

Grades: 10-12

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts

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

**087150****LIFETIME AND RECREATIONAL SPORTS**

Grades: 10-12

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts

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

**087200****STRENGTH AND CONDITIONING**

Grades: 10-12

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

Prerequisite: Physical Fitness Concepts

This course meets the requirements for the second, one-half credit of physical education, or may be taken for elective credit. The content of the course includes basic weight training techniques, as well as training practices and safety procedures in the weight room. Students will learn a variety of lifts and strength training principles for developing muscle and endurance. Students will also participate in a variety of exercises and activities that will develop muscle fitness, as well as cardiovascular fitness, flexibility and fitness skills, such as agility and power.

**087300****ADVENTURE PURSUITS**

Grades: 10-12

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts

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

**087400**

**WALKING AND LOW-IMPACT PHYSICAL ACTIVITIES**

Grades: 10-12

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts

This course introduces students to walking for fitness, as well as a variety of other low-to-moderate lifetime and leisure physical activities. A major expectation of this course is for students to develop their personal fitness and to develop competency with a variety of physical activities that promote lifelong fitness. Students will also be expected to assess their personal fitness and develop a personal health plan, incorporating fitness training principles, as well as safety and dietary guidelines. This course meets the second 1/2 physical education credit requirement for graduation.

**087820**

**AQUATIC EXPERIENCES/SCUBA**

Grades: 10-12

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts and 2nd required PE course

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

**087830**

**LIFEGUARD TRAINING**

Grades: 10-12

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts

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

**087950**

**PE MENTOR**

Grades: 10-12

½ Elective credit

Prerequisite: Physical Fitness Concepts and 2nd Required PE Course

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

**087960**

**MOVEMENT 2 MUSIC**

Grades: 10-12

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts

This course allows students an opportunity to participate in a variety of individual fitness pursuits, such as Pilates, Yoga, Zumba, Walking, and Aerobics (Step, Dance, and Water). Music will be incorporated to help entertain students as they engage in moderate-to-vigorous physical fitness. Students will develop their competency in rhythms, dance, and fitness skills that will enable them to confidently and safely pursue personal fitness opportunities. Students will be expected to assess their personal fitness and develop a personal health plan, incorporating fitness training principles and dietary guidelines. This course meets the second 1/2 physical education credit requirement for graduation.

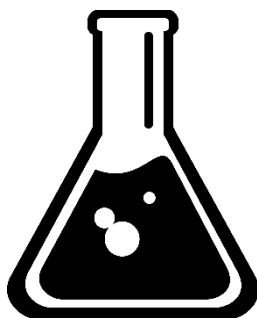
## SCIENCE

Missouri requires three years of science to graduate from high school. One year must be in the physical sciences, a second year must be in the life sciences and the third year may be in either physical or life science. Parkway School District aligned its curriculum to these requirements and now each student is required to have a core experience in science which includes two semesters of life science followed by a semester introduction to the chemical sciences and a semester introduction to physics. The final year of the state requirement can be fulfilled by taking a year-long course in chemistry, physics or a combination of semester classes, such as the third semester of biology plus another elective (such as Anatomy & Physiology, Astronomy & Meteorology, Environmental Science, or Geology). Students who anticipate attending a four-year college or university should take an additional year of chemistry as well as physics. We continue to encourage students to take as many science classes as reflects their interest and plans for a future career. For most, this will be more than the minimum three year requirement described by the state. When considering elective classes we recommend a year of chemistry and physics before considering additional electives. Note that many colleges and universities expect a student to be maximally prepared in the sciences and hence to have taken a full four years of science in high school.

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### **Options for Science Curriculum**

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



Path A Students having significant difficulty in math and science		Path B Students planning on attending a four-year college/university		Path C Students planning on attending a more select four-year college/university and/or majoring in science	
9 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>Fnd of Bio 1 &amp; Fnd Bio 2 (dept placement only)</li> <li>OR</li> <li>Biology 1 &amp; Biology 2</li> </ul>	9 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>Biology 1: Cells and Variation</li> <li>Biology 2: Evolution and Ecology</li> </ul>	9 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>Honors Biology 1: Cells and Variation</li> <li>Honors Biology 2: Evolution and Ecology</li> </ul>
10 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>Fnd of Matter &amp; Fnd Forces (dept placement only)</li> <li>OR</li> <li>Matter &amp; Forces</li> </ul>	10 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>Matter and Change</li> <li>Forces and Motion</li> </ul>	10 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>Honors Chemistry (1 yr) (Requires enrollment in +Alg 2 Trig)</li> <li>OR</li> <li>Chemistry (1yr)(Requires enrollment in Alg 2)</li> </ul>
11 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>Concepts of Chemistry (dept placement only)</li> <li>OR</li> <li>Science electives</li> </ul>	11 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>Chemistry (1 yr)</li> <li>Science electives</li> </ul>	11 <sup>th</sup> or 12 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>AP Physics 1 (1 yr)</li> <li>OR</li> <li>Physics (1yr)</li> <li>Science electives</li> </ul>
11 <sup>th</sup> or 12 <sup>th</sup> Grade (check course pre-reqs)	<ul style="list-style-type: none"> <li>Bio 3: Biotechnology &amp; Systems</li> <li>Anatomy &amp; Physiology</li> <li>Astronomy &amp; Meteorology</li> <li>Fnd of Astron &amp; Met (dept placement only)</li> <li>Environmental Science</li> <li>Geology</li> <li>Fnd of Geology (dept placement only)</li> </ul>	12 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>Physics (1 yr)</li> <li>AP Biology (1yr)</li> <li>AP Chemistry (1yr)</li> <li>AP Environmental (1 yr)</li> <li>Bio 3: Biotechnology &amp; Systems</li> <li>Anatomy &amp; Physiology</li> <li>Astronomy &amp; Meteorology</li> <li>Environmental Science</li> <li>Geology</li> <li>Organic Chemistry</li> </ul>	11 <sup>th</sup> or 12 <sup>th</sup> Grade/AP courses and/or electives (check course pre-reqs)	<ul style="list-style-type: none"> <li>AP Biology (1yr)</li> <li>AP Chemistry (1yr)</li> <li>AP Environmental (1 yr)</li> <li>AP Physics 2 (1 yr)</li> <li>AP Physics C (1 yr)</li> <li>Bio 3: Biotechnology &amp; Systems</li> <li>Anatomy &amp; Physiology</li> <li>Astronomy &amp; Meteorology</li> <li>Environmental Science</li> <li>Geology</li> <li>Organic Chemistry</li> </ul>

\*Path A will satisfy both Missouri and Parkway science graduation requirements.

**137210****MATTER AND CHANGE**

Grades: 9-10

½ Science credit

Prerequisite: Recommended C in Algebra 1 or Department approval

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.

**138210****HONORS MATTER AND CHANGE**

Grades: 9-10

½ Science credit

Prerequisite: 9th grade recommendation, Algebra 1 and Departmental approval

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 AND MOTION IN 1D**

Grades: 9-10

½ Science credit

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

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 AND MOTION IN 1D**

Grades: 9-10

½ Science credit

Prerequisite: 9th grade recommendation, Algebra 1 and departmental approval

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.

**137140****BIOLOGY 1: CELLS AND VARIATION**

Grades: 9-10

½ Science credit

Prerequisite: None

This is the initial course in a sequence of biology courses that together will provide a college preparatory experience in the life sciences. This course has the theme: What is the basis of life and how does it vary? Students will conduct controlled experiments using the experimental design process. They will study biochemistry, prokaryotic and eukaryotic cells and cell environment, aspects of cell division, Mendelian genetics, meiosis, and the unity and diversity of life. The topics will be presented through numerous laboratory activities, lectures, and discussions and will emphasize process and thinking skills. Students may take this course concurrently with Matter & Change and/or Forces & Motion in One Dimension.

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

Grades: 9-10

½ Science credit

Prerequisite: Departmental approval

This is the initial course in a sequence of biology courses that together will provide a college preparatory experience in the life sciences. This course has the theme: What is the basis of life and how does it vary? Students will conduct controlled experiments using the experimental design process. They will study biochemistry, prokaryotic and eukaryotic cells and cell environment, aspects of cell division, Mendelian genetics, meiosis, and the unity and diversity of life. The topics will be presented through numerous laboratory activities, lectures, and discussions; and will emphasize process and thinking skills. Students may take this course concurrently with Honors Matter & Change and/or Honors Forces & Motion in One Dimension. 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.

**137150****BIOLOGY 2: EVOLUTION AND ECOLOGY**

Grades: 9-10

½ Science credit

Prerequisite: Biology 1: Cells and Variation

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

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

Grades: 9-10

½ Science credit

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

This second course in the biology sequence has a theme of: How is Life Interrelated? Students will explore the unity and diversity of life through the study of evolution by natural selection. The structure and replication of DNA along with protein synthesis will be examined. The interdependence of all living things will be explored with emphasis on ecological processes and human impact on the biosphere. The processes of photosynthesis and respiration will be introduced. These topics will be presented through numerous laboratory activities, lectures and discussions and will emphasize process and thinking skills. This course is designed to challenge the top ten percent of students. It is more intensive and requires increased levels of critical thinking and mathematical reasoning. It is designed for the student who anticipates a science-based career, desires an accelerated science program, and intends to take advanced courses in science. The Missouri Biology End of Course Assessment is given at the conclusion of this course. A weighted grade is given.

**137160****BIOLOGY 3: BIOTECHNOLOGY AND SYSTEMS**

Grades: 10-12

½ Science credit

Prerequisite: Biology 2: Evolution and Ecology, Matter and Change or Department approval

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

**138160  
HONORS BIOLOGY 3: BIOTECHNOLOGY AND  
SYSTEMS**

Grades: 10-12

½ Science credit

Prerequisite: Honors Biology 2: Evolution and Ecology,  
Honors Matter and Change or Departmental approval

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.

**136201& 136202 (Year-long) \*not an NCAA “core course”  
CONCEPTS OF CHEMISTRY**

Grades: 10-12

1 Science credit

Prerequisite: Matter and Change and Algebra 1

This course is designed for those students who wish to obtain an understanding of the science of chemistry and its application in everyday life. The major concepts of chemistry are introduced with a minor emphasis on mathematical applications. The course will cover atomic structure, periodic trends, physical and chemical properties, chemical formulas, chemical equations, chemical bonding, properties of gases, acid/base chemistry, solutions and nuclear chemistry. Additional topics may include organic chemistry, energy resources, mineral resources and chemistry in medicine. Wherever possible, the study of these topics will be complemented by activities and laboratory investigations.

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

Grades: 10-12

1 Science credit

Prerequisite(s): Matter and Change and Algebra 1 with a C  
or better or department approval

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

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

Grades: 10-12

1 Science credit

Prerequisite: Enrollment in +Alg 2 Trig

This course can fulfill the third required year of science credit and completes the recommended core curriculum in chemistry. Topics include atomic structure, periodicity, bonding, nomenclature, chemical reactions, stoichiometry, gas laws and physical states, thermochemistry, solutions, kinetics and equilibrium, acids and bases, nuclear science and energy, and an introduction to organic chemistry. Group interaction, discussion, and cooperation during laboratory practice and mathematical problem-solving sessions will be commonplace. Open-ended lab experiences, requiring student collaboration and multiple-step problem solving execution will be frequent. This course is designed to challenge the top 10% of students. It is more intensive and requires more critical thinking than Chemistry. It is designed for the student who has an exceptional interest in science and desires an accelerated science program. Class lectures will often feature advanced, cognitive material delivered at a greater pace and depth. A weighted grade is given.

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

Grades: 11–12

1 Science credit

Prerequisite: Forces and Motion in 1D (recommended grade of C or better), Algebra 2 with Trigonometry (recommended grade of C or better) or Department approval

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

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

Grades: 11-12

1 Science credit

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

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

**137430****ORGANIC CHEMISTRY**

Grades: 11-12

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

Prerequisite: Chemistry or Honors Chemistry or Instructor approval

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

**137490****GEOLOGY**

Grades: 11-12

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

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

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

**137500****ENVIRONMENTAL SCIENCE**

Grades: 11-12

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

Prerequisite: One credit of Biology and Junior or Senior standing

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

**137550****ASTRONOMY AND METEOROLOGY**

Grades: 11-12

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

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

The NASA program, the space race, and the observations made by astronomers and astrophysicists have allowed a greater depth of knowledge of the solar system. This course requires students to combine mathematical skills with knowledge of physical mechanics to broaden their understanding of the universe. The content of this course extends beyond the historical accounts of space. Students will use physical laws of nature in their analysis of the universe. Satellite imagery has allowed us to view the earth in real time. Using this and other information from Doppler radar, barometers, and local spotters, data is integrated to predict weather patterns. Weather safety is explored as well man's influence on climate change.



**137910  
SCIENCE SEMINAR**

Grades: 11-12

½ Science credit

Prerequisite: Successful completion of Science graduation requirements

This course is designed for students who are interested in investigating and discussing contemporary science. The students and instructor will choose topics that interest the students and lead to a better understanding of science as an integrated body of knowledge. The student should come to this class having a commitment to read the materials assigned and to prepare those assignment materials for discussion. Contemporary books, magazines, media, and the internet will be the primary resources for the coursework. Demonstrations, laboratory experiences, and problem solving activities will further develop the curriculum.

**137930** \*not an NCAA "core course"  
**SCIENCE LABORATORY ASSISTANT**

Grades 11-12

½ Elective credit

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

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

**139151 & 139152 (Year-long)  
AP BIOLOGY**

Grades: 11-12

1 Science credit

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

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

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

Grades: 11-12

1 Science credit

Prerequisite: Chemistry, Honors Chemistry or department approval

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

**139321**

**AP PHYSICS C: MECHANICS**

Grades: 11-12

½ Science credit

Prerequisite: Honors Forces and Motion, concurrent enrollment in Honors Pre-Calculus or Calculus

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

**139332**

**AP PHYSICS C: ELECTRICITY & MAGNETISM**

Grades: 11-12

½ Science credit

Prerequisite: Honors Forces and Motion, concurrent enrollment in Honors Pre-Calculus or Calculus

This course is a college level equivalent to introductory electricity and magnetism with an emphasis to complete the College Board AP Exam. Instructional methods include: lecture, discussion, demonstration, literature research, and laboratory. The course will provide maximal preparation for calculus based college physics. A weighted grade is given.

**139411 & 139412 (Year-long)**

**AP PHYSICS 1**

Grades: 11-12

1 Science credit

Prerequisite: Honors Forces and Motion or department approval, Honors Algebra 2 / Trig

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

**139421 & 139422 (Year-long)**

**AP PHYSICS 2**

Grade: 12

1 Science credit

Prerequisite: Physics, AP Physics 1 and Pre-Calculus

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

**139501 & 139502 (Year-long)**

**AP ENVIRONMENTAL SCIENCE**

Grades: 11-12

1 Science credit

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

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

## **SOCIAL STUDIES**

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

### **Grade 9**

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

### **Grade 10**

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

### **Grade 11**

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

### **Grades 11 and 12**

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

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

<b>Social Studies Electives</b>		
<b>American Studies</b>	<b>World Studies</b>	<b>Behavioral Studies</b>
<ul style="list-style-type: none"> <li>*AP United States History</li> <li>Crime and the Law</li> <li>**History of St. Louis</li> <li>Gender: Time and Place</li> <li>History of the American West</li> <li>Colonial America (Honors)</li> <li>**African American History &amp; Literature</li> <li>*AP Government</li> <li>Media in America</li> <li>Contemporary Issues</li> </ul>	<ul style="list-style-type: none"> <li>Modern Warfare</li> <li>*AP European History</li> <li>*AP World History</li> <li>Ancient Civilizations</li> <li>Economics (Honors)</li> <li>*AP Human Geography</li> </ul>	<ul style="list-style-type: none"> <li>Environmental Issues</li> <li>Psychology</li> <li>*AP Psychology</li> <li>Anthropology</li> <li>Sociology</li> <li>Philosophy and Ethics</li> </ul>

\*An Advanced Placement Test in European History, United States History, World History, Government, Human Geography, and Psychology is offered for a nominal fee to students who wish to attempt to test out of these courses in colleges that accept AP credit.

\*\*Students can enroll in these classes in 10th, 11th, or 12th grade.

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

Grade: 9  
1 Social Studies credit  
Prerequisite: None

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

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

Grade: 9  
1 Social Studies credit  
Prerequisite: Departmental approval

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

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

Grade: 10  
1 Social Studies credit  
Prerequisite: None

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

**159011 & 159012 (Year-long)**  
**AP WORLD HISTORY**

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

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

**157100**  
**UNITED STATES GOVERNMENT**

Grades: 11-12  
½ Social Studies credit  
Prerequisite: Junior or Senior standing

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

**159121 & 159122 (Year-long)  
AP US GOVERNMENT & POLITICS**

Grades: 11-12

1 Social Studies credit

Prerequisite: Junior or Senior standing

This course is designed to challenge students who are interested in advanced studies in government. Students study the history, institutions, branches, functions, electoral processes, and citizens' role in the governments of the local area, the state of Missouri, and the United States. The course includes an emphasis on the rights and responsibilities of citizenship, as well as a study of the principles and provisions of the Missouri and the United States Constitutions. The 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.

**157350  
HISTORY OF ST. LOUIS**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**157360  
HISTORY OF THE AMERICAN WEST**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**157370** \*not an NCAA "core course"

**MEDIA IN AMERICA**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

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

Grades: 10-12

1 Social Studies credit

Prerequisite: Successful completion of English I and Modern US History

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

Semester 1: Africa and the African Diaspora

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

Semester 2: Africans in America

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

**157590**  
**ANCIENT CIVILIZATIONS**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**157750**  
**CRIME AND THE LAW**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**157760**  
**CONTEMPORARY ISSUES**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**157780**  
**ANTHROPOLOGY**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**157790**

**SOCIOLOGY**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

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**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**159801 & 159802 (Year-long)**

**AP PSYCHOLOGY**

Grades: 11-12

1 Social Studies credit

Prerequisite: Junior or Senior standing

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

**157820**

**ENVIRONMENTAL ISSUES**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**157830**

**MODERN WARFARE**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**157840**

**PHILOSOPHY AND ETHICS**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior Standing

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

**157850**

**GENDER, TIME AND PLACE**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**158340**

**COLONIAL AMERICA (HONORS)**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**158700**

**ECONOMICS (HONORS)**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

**159510**

**AP HUMAN GEOGRAPHY**

Grades: 11-12

½ Social Studies credit

Prerequisite: Junior or Senior standing

AP Human Geography is a college level introductory geography course. Students will be introduced to the basic concepts of human geography and apply the geographical framework for the analysis of current world problems, social organization, and environmental issues. This course prepares students to take AP Human Geography exam. A weighted grade is given.

**159301 & 159302 (Year-long)**

**AP UNITED STATES HISTORY**

Grades: 11-12

1 Social Studies credit

Prerequisite: Junior or Senior standing

AP American History emphasizes the changing nature of American society, politics, and economy and the cause and effect relationship between them. The students will learn the majority of significant factual information from reading the course texts and other challenging primary and secondary source materials. Class time is spent examining analytical and interpretive issues in American History--how and why the course of history unfolded as it did and how historical trends continue to influence our country. By the end of the course the students will be familiar with the basic chronology of American History and the landmark events that shaped our present society, understand its principle themes, develop and extend basic geographic knowledge, learn to write clearly and effectively, and analyze, synthesize and evaluate primary and secondary sources. This course prepares students to take the Advanced Placement examination in United States History. It will also provide students with in-depth practice in the use of historical documents, historical analysis, and synthesis in historical writing. The course will cover the curriculum suggested by the College Board for the Advanced Placement Test. A weighted grade is given.

**159501 & 159502 (Year-long)**

**AP EUROPEAN HISTORY**

Grades: 11-12

1 Social Studies credit

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

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



## SPECIAL OFFERINGS

**087350**

### **DRIVER'S EDUCATION**

Grades: 9-12

½ Elective credit

Prerequisite: None

Driver Education is designed to instruct the student to drive according to the laws of the state of Missouri. It also provides the student with a solid knowledge base, awareness, and self-evaluation of oneself as it relates to driving decisions, psychology of the driver, and preparation for the Missouri Driver's examination.

**813100**

### **LEADERSHIP DEVELOPMENT 1**

Grades: 9-12

½ Elective credit

Prerequisite: None

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

**993300**

### **SENIOR PROJECT SERVICE LEARNING AND SOCIAL JUSTICE**

Grade: 12

1 Elective credit

Prerequisite: Senior standing

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

**995641 & 995642 (Year-long)**

### **INTERVENTION AND INSTRUCTION (I<sup>A2</sup>)**

Grade: 9

1 Elective credit

Prerequisite: Administrator recommendation only

During this course, students receive direct instruction in prerequisite math, reading, and writing skills required for Algebra 1 and English 1. Differentiated instruction is the foundation of this course, as staff work with students to increase their academic capability, confidence and curiosity. Pre-assessments are used to identify specific mathematics skill gaps, then each student is prescribed lessons and practice problems specific to their individual learning needs. Formative and summative assessments are given throughout the course to ensure students are retaining these math skills. In addition, staff administers a baseline reading assessment, and then assigns non-fiction reading articles targeted to each student's individual reading level. Students complete a short comprehension quiz, and also complete a brief, written assignment for each article. Students set learning goals and develop skills needed in order help monitor their own progress. Staff works closely with Algebra 1 and English 1 teachers to provide academic support for the students enrolled in these classes.

# TECHNOLOGY & ENGINEERING

## INFORMATION TECHNOLOGY (IT)



The digital world is expanding so rapidly that it is creating IT job openings faster than trained people can be found to fill them. Older workers are retiring in droves, but there aren't enough high school and college graduates with the technical skills to step into their shoes. Right now there are more than 600,000 unfilled IT jobs globally in business, education, healthcare, government, all branches of the armed services, and the intelligence community.

Technology trends are creating a strong demand for certified IT professionals in a number of specific fields, including healthcare IT, security IT, cloud computing/SaaS, and data storage and management. These professionals will have an increasingly stronger voice in how their companies are run. You could be one of them

### **037400 FUNDAMENTALS OF IT / COMPUTER MAINTENANCE**

Grades: 9-12  
½ CTE credit  
Prerequisite: None

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 CompTIA Strata IT Fundamentals certificate exam and also serves as launch pad for taking other IT courses, such as A+ Computer Maintenance, Network+, and Computer Science.

### **037411 & 037412 (Year-long) A+ COMPUTER MAINTENANCE**

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

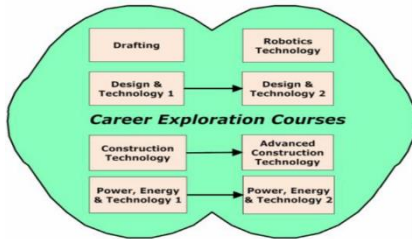
A+ Certification is an industry recognized credential that certifies the competency of PC service specialists. The certification program is supported by over 50 major computer hardware and software manufacturers including HP, Cisco, IBM, Sun and Microsoft. A+ Certification provides a wealth of benefits to any person seeking a job in the computer industry. To obtain A+ Certification, the student must pass two exams, a core hardware exam and an operating systems technologies exam. This course provides two semesters of training that focus on the core knowledge and hands on skills necessary to prepare the students for taking and passing an independently administered A+ Certification exam.

### **037651 & 037652 (Year-long) NETWORK+ CERTIFICATION**

Grades: 11-12  
1 CTE credit  
Prerequisite: Junior or Senior standing

This course provides students with the core understandings necessary to prepare for and pass the CompTIA Network+ Certification Exam. This curriculum and the certification it represents, recognized internationally as a standard for entry level network technicians, prepares a student with the skills and knowledge to implement a defined network architecture with basic network security. Furthermore, students will learn to configure, maintain, and troubleshoot network devices using appropriate network tools and understand the features and purpose of network technologies. Students will be able to make basic solution recommendations, analyze network traffic, and be familiar with common protocols and media types.

## TECHNOLOGY EDUCATION



### 107050 POWER, ENERGY, AND TRANSPORTATION TECHNOLOGY 1

Grades: 9-12  
½ CTE credit  
Prerequisite: None

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

### 107060 POWER, ENERGY, AND TRANSPORTATION TECHNOLOGY 2

Grades: 9-12  
½ CTE credit  
Prerequisite: Power, Energy and Transportation Technology 1

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.

### 107070 DRAFTING

Grades: 9-12  
½ CTE credit  
Prerequisite: None

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

### 107121 DESIGN AND TECHNOLOGY 1

Grades: 9-12  
½ CTE credit  
Prerequisite: None

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

### 107132 DESIGN AND TECHNOLOGY 2

Grades: 9-12  
½ CTE credit  
Prerequisite: Design and Technology 1 or Instructor approval

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

**107500**

**CONSTRUCTION TECHNOLOGY**

Grades: 9-12

½ CTE credit

Prerequisite: None

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

**107680**

**ROBOTICS TECHNOLOGY**

Grades: 9-12

½ CTE credit

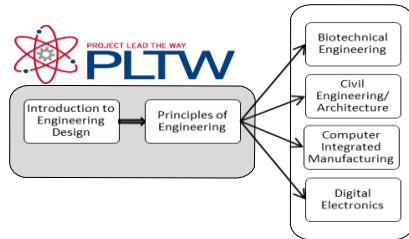
Prerequisite: None

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

## PRE-ENGINEERING

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

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



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

Grades: 9-12  
1 CTE credit  
Prerequisite: None

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

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

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

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

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

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

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

This course covers several topics, including: analog and digital fundamentals, number systems and binary addition, logic gates and functions, Boolean algebra and circuit design, decoders, multiplexers and de-multiplexers. A weighted grade is given for this course.

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

Grades: 10-12  
1 CTE credit  
Prerequisite: Introduction to Engineering Design, Drafting or Instructor approval

This honors course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as: The Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, and Project Documentation and Presentation. Students can receive 3 semester hours of transcribed college credit. A weighted grade is given for this course.

**108211 & 108212 (Year-long)**  
**COMPUTER INTEGRATED MANUFACTURING**  
**(HONORS)**

Grades: 10-12

1 CTE credit

Prerequisite: Robotics, any PLTW class or Instructor approval

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.

**108221 & 10822 (Year-long)**  
**ENVIRONMENTAL ENGINEERING (HONORS)**

Grades: 11-12

1 CTE credit

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

The growing market for jobs in biological engineering is playing a central role in energy and agricultural sustainability solutions. The Biological Engineering (BioE) course develops students' thinking skills and prepares them for emerging careers through topics such as genetic engineering, biofuels, and biomanufacturing.

## THEATRE ARTS

PRESENT CLASS	SUGGESTED CLASS
Theatre Arts	Actor's Studio 1 Children's Theatre Improvitational Theatre Tech Theatre
Actor's Studio 1	Actor's Studio 2 Children's Theatre Improvitational Theatre Tech Theatre
Actor's Studio 2	Children's Theatre Directing Improvitational Theatre Tech Theatre
Tech Theatre	Actor's Studio 1 Actor's Studio 2 Children's Theatre Directing Improvitational Theatre
Improvitational Theatre	Actor's Studio 1 Actor's Studio 2 Children's Theatre Directing Tech Theatre
Children's Theatre	Actor's Studio 1 Actor's Studio 2 Directing Improvitational Theatre Tech Theatre
Directing	N/A

### 057720

#### THEATRE ARTS

Grades: 9-12

½ Fine Arts credit

Prerequisite: None

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

### 057730

#### IMPROVISATIONAL THEATRE

Grades: 9-12

½ Fine Arts credit

Prerequisite: Theater Arts or Instructor Approval

The student actor will become proficient in pantomime and creative improvisational acting skills. Emphasis in this class will not be on memorization, but on the training of the performer to isolate movement and to respond spontaneously and appropriately to given situations and characterizations.

**057760****TECHNICAL THEATRE**

Grades: 9-12

½ Fine Arts credit

Prerequisite: Theatre Arts or Instructor Approval

This course will survey major areas of technical theatre including elements of design/ construction of sets, set painting, properties, stage lighting, sound, costuming, make-up, business, house, and theatre management. The course will allow the students to select an area of specialization. After-school and/or evening work will be expected. Students may repeat this course with an emphasis in advanced technical projects.

**057770****CHILDREN'S THEATRE**

Grades 9-12

½ Fine Arts credit

Prerequisite: Theater Arts or Instructor Approval

This class will examine the wealth of children's literature and its adaptability to live performances. Emphasis will be on improvised and prepared scripts, with mini-units on pantomime, storytelling and story theatre.

\*This is a practical course. Each student will be expected to perform in a full production which includes evening performances for an audience.

**057800****ACTOR'S STUDIO 1**

Grades: 10-12

½ Fine Arts credit

Prerequisite: Theatre Arts or Instructor Approval

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

**057810****ACTOR'S STUDIO 2 (HONORS OPTION)**

Grades: 11-12

½ Fine Arts credit

Prerequisite: Actor's Studio or Instructor Approval

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

**057820****DIRECTING (HONORS OPTION)**

Grade: 12

½ Fine Arts credit

Prerequisite: Actor's Studio 1 and 2, Tech Theatre or equivalent co-curricular technical experience with instructor approval.

This course is for the advanced theatre student who is ready to demonstrate proficiency as a director. It is a laboratory course, which uses the theatrical production process as its experiment. Through the art of directing, acting, and design, students will apply these concepts to a final production, to be presented to the school and public. Successful completion of Actor's Studio 2 is required, as well as time commitment after school. An Honors grade may be earned.



## **ADVANCED COLLEGE CREDIT & ADVANCED PLACEMENT OPPORTUNITIES**

### **ADVANCED COLLEGE CREDIT PROGRAMS**

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

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

View CTE Articulation/Dual Credit Agreements at the following link or scan the QR code.  
<http://www.pkwy.k12.mo.us/inside/curriculum/cte/Lev2.cfm?Lev2ID=504>



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

Accounting 2	Missouri Baptist
AP Calculus AB	University of MO – St. Louis
AP Lit & Comp	University of MO – St. Louis
AP Statistics	University of MO – St. Louis
Business Technology 1 & 2	St. Louis Community College
Career Pathways for the Teaching Profession Foundations	University of MO – St. Louis
Career Pathways for the Teaching Profession Practicum	University of MO – St. Louis
Ceramics 1	University of MO – St. Louis
Ceramics 2	University of MO – St. Louis
Child Development 1 & 2	St. Louis Community College
Civil Engineering & Architecture	Missouri University S & T
College Algebra	University of MO – St. Louis
Computer Integrated Manufacturing	Missouri University S & T
Digital Electronics	Missouri University S & T
French 4 & 5	University of MO – St. Louis
Intro to Engineering Design	Missouri University S & T
Marketing 2	Missouri State University
Masterpieces 1 & 2	University of MO – St. Louis
Microsoft Office	Missouri Baptist
Personal Finance	Missouri State University
Pre-Calculus	University of MO – St. Louis
Principles of Engineering	Missouri University S & T
Sculpture 1	University of MO – St. Louis
Spanish 3, 4 & 5	University of MO – St. Louis

## ADVANCED PLACEMENT

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

1. Your college or university may exempt you from beginning courses and permit you to elect higher level courses in certain fields.
2. You may be eligible for honors and other special programs not open to students who have not been given AP recognition
3. Students are graded on the Honors scale and have the potential to earn an extra point in their GPA.
4. Your college or university may grant college academic credit for successful scores on examinations.

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

Advanced Placement Examinations are Offered in the Following Subjects:		
Art – History	English Literature	Latin
Art – Studio	Environmental Science	Music Theory
Biology	French	Physics 1: Algebra-based
Calculus AB	German	Physics 2: Algebra-based
Calculus BC	Government & Politics	Physics C: Mech, Elec & Mag
Chemistry	History – European	Psychology
Computer Science	History – U.S.	Spanish
Economics	History – World	Spanish Literature
English Language & Comp	Human Geography	

## TECHNICAL HIGH SCHOOL

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

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

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

### SOUTH TECH PROGRAM DESCRIPTIONS

#### **AUTO BODY**

Students will learn to repair and restore vehicles to "like new" condition. Instruction is provided in frame and body straightening and alignment to meet factory specifications, repair of damaged panels, and replacement of component parts, welding, refinishing and painting, estimating damage costs, and preparation of damage reports.

#### **AUTOMOTIVE TECHNOLOGY**

Students will follow the Automotive Service Excellence (ASE) Certification curriculum. They will learn to diagnose and repair the advanced computerized control systems on today's vehicles. Instruction is provided in tire, wheel and alignment service, brakes, steering and suspension, electronic systems, engine performance, transmissions, vehicle safety and emissions inspection, heating and air conditioning.

#### **CARPENTRY**

Students will follow the Associated General Contractors national curriculum for residential and commercial construction. They will learn to follow local building codes and blueprints to cut fit, assemble, form, frame and finish a wide variety of construction projects. Graduates may qualify for apprenticeship training credit with the Carpenters, Floor Layers and Construction Craft Laborers apprenticeship programs.

#### **CISCO NETWORKING ACADEMY**

This program is certified as a Cisco Networking Academy. Students have the opportunity to learn Cisco Certified Network Associate (CCNA). Network+ and A+ certifications. They will learn to build, repair and maintain computers and networking systems, diagnose and solve hardware and software problems in this information technology program. Instruction also covers a variety of operating systems, multimedia capabilities, printing, routing and switching, the OSI model, VLAN and WAN systems.

#### **CONSTRUCTION TRADES**

This program provides an overview of various aspects of the construction field. Students will learn blueprint reading, plumbing, HVAC system maintenance, residential electricity, concrete, masonry, carpentry framing, roofing, drywall, flooring, and finishing procedures. Graduates may qualify for apprenticeship training credit at the Floor-layers and Construction Craft Laborers Apprenticeship Programs.

#### **COSMETOLOGY**

The curriculum is the same as those used by private cosmetology schools, following Missouri State Board of Cosmetology guidelines. Students will learn theory and gain practical experience with customers in a new salon environment. Instruction is provided in hair analysis, treatment, coloring, cutting and styling techniques. Facials, nail care, anatomy, physiology, and salon management are also covered. Upon completion of this curriculum and attainment of the required 1500 hours of instruction, students will take the state board's comprehensive licensure examination.

#### **CULINARY ARTS**

Accredited by the prestigious American Culinary Federation, this program enables students to earn the ACF Culinary Secondary Graduate Certificate, as well as the ServSafe and ProManagement Professional Cooking Certificates from the Educational Foundation of the National Restaurant Association. Students will train as chefs in a full size state-of-the-art restaurant kitchen and dining facility.

## **DENTAL SCIENCES**

Students will learn dental examination, treatment, radiographic and laboratory procedures, patient scheduling and record maintenance. Instruction is also provided in infection control and hazards management, chair-side assistance, emergency and preventive procedures, dental specialties, and office administration. Seniors may participate in a clinical internship. Upon completion of the program, and two years of full-time work experience, students may take the National Board Exam to become a certified dental assistant. *Integrated Academic Credit: 1 Credit Science (Anatomy Physiology).*

## **EARLY CHILDHOOD EDUCATION**

Students will study teaching in a preschool setting for 2-5 year old children, rotating through curriculum development, lesson preparation, teaching and supervisory duties. Instruction includes child development, guidance and discipline techniques, health and safety procedures, licensing, program evaluation, professionalism and relating to families. Students also learn to provide an enriched, safe and appropriate environment to meet the physical, social, emotional and intellectual needs of small children. Seniors will work on portfolio preparation for Child Development Association (CDA) certification.

## **ELECTRICAL TRADES**

The curriculum adheres to the National Electrical Code, and models electrical apprenticeship programs. Students will learn to install, connect, test and maintain wiring systems for residential and commercial settings. Instruction includes electrical theory, interpreting schematics and blueprints, AC circuits and wiring methods, conductors, low voltage wiring, conduit bending, load centers and safety switches, service entrance construction, rough-in and trim out, transformers, lighting, motors and controllers and more. Graduates may test out of one year of the Independent Electrical Contractors apprenticeship program.

## **ELECTRONICS & ROBOTICS ENGINEERING**

This program provides students with a foundation in electrical and electronics theory. Coursework is divided into four major categories that include direct current, alternating current, analog, and digital circuits. Students will also learn the concepts of voltage, current, resistance, inductance, capacitance, impedance, power and related troubleshooting techniques. They will construct numerous projects such as robots, AM/FM radios, and radio controlled cars. Seniors may earn certification through the Electronic Technicians Association.

## **EMERGENCY MEDICAL TECHNICIAN (Seniors Only)**

Instruction includes EMT preparation, basic life support, patient assessment, medical emergencies, trauma, ambulance service and 32 hours of clinical observation at local fire and hospital emergency departments. The program adheres to the National EMT-Basic and American Heart Association curriculums, as well as Occupational Safety and Health Administration (OSHA) standards. Students will earn EMT, AHA, CPR and automated external defibrillator, OSHA hazardous materials and outreach training certifications.

## **FIREFIGHTING**

The program adheres to the Missouri Fire Marshall Fire Fighter, National First Responder and American Heart Association curriculums, as well as Occupational Safety and Health Administration (OSHA) standards. Students will earn national First Responder, AHA first aid, CPR and automated external defibrillator, OSHA hazardous materials and outreach training certifications. Students will learn rescue procedures, firefighting and suppression techniques, including fire combat experience in the fire tower. Qualified juniors have the option of moving into the EMT program.

## **GRAPHIC DESIGN**

Students will learn to design for advertising, publishing, and display purposes. Instruction is provided in design, typography, production and camera-ready art, computer graphics and personal portfolio preparation. One quarter is spent in printing technology cross-training to develop an understanding of the interaction required between design and production in the graphic communications industry. This program is Print ED Certified and nationally accredited by the Graphic Arts Education and Research Foundation.

## **HEALTH SCIENCES**

The Health Sciences program teaches the skills necessary for a foundation in healthcare. Through a combination of classroom activities and actual on-the-job clinical experiences in nursing homes, hospitals, and physician's offices, students learn human anatomy and physiology, medical terminology, disease processes, CPR, first aid, vital signs, human relation skills and basic healthcare skills. It is imperative to be able to think and reason for this career field. Upon completion of the program, students may have the opportunity to take the Missouri State Test as a Certified Nurse's Assistant exam. If the student passes the exam with an 80 percent and has completed all clinical requirements, he or she may be certified as a nurse's assistant by the State of Missouri. Seniors may qualify to attend an off-campus program in a nearby acute care hospital or nursing home. Graduates may qualify for advanced standing at the college level (*Integrated Academic Credit: 1 Credit Science Anatomy & Physiology*).

### **HEATING, VENTILATION AND AIR CONDITIONING**

This program follows HVAC Excellence guidelines, enabling students to earn electrical, gas heat and electrical heat certifications. Students will learn to install, maintain, diagnose and repair indoor environmental systems controlling temperature, humidity and air quality. Instruction includes basic refrigeration, service and diagnostic techniques, heating and cooling systems, electrical operations, control circuitry, soldering and brazing.

### **LAW ENFORCEMENT**

Students will earn national First Responder, American Heart Association first aid and CPR, and OSHA certifications. They will learn criminal and juvenile justice, problem resolution, defense tactics, emergency response and enforcement procedures, preparation of police reports, investigation, patrol, and traffic control procedures. Physical fitness, human relations, cultural diversity, ethics training and communication skills are also covered. Seniors may participate in an internship with the police department.

### **MOTORCYCLE & SMALL ENGINE TECHNOLOGY**

Students will learn to diagnose, maintain and repair lawn equipment, chain saws, motorcycles, personal watercraft, boat engines, all-terrain vehicles (ATVs) and other two and four stroke cycle engine powered equipment. Instruction includes utilization of diagnostic equipment, engine overhauls, tune-ups, drive trains, wheel, tire and safety inspection. Starter, fuel, governor/throttle, ignition, electrical, carburetion, cooling, lubrication and brake systems are also covered.

### **PHARMACY SCIENCES**

Students will learn basic laboratory testing skills needed to meet the high demand in medical, industrial, plant science and biotechnology laboratory settings. Instruction includes quality control, hazard management, lab mathematics, specimen collection and processing, solution and media preparation, electrophoresis, PCR reaction, identification of bacteria, and analysis of chemical content utilizing sophisticated lab equipment. Phlebotomy, microbiology, hematology, serology, histology, and chemistry are also covered. *Integrated academic Credit: 1 Credit Science (Anatomy and Physiology)*

### **PRECISION MACHINING**

Instruction includes precision measurement and inspection techniques, blueprint reading and drawing, quality control, and the operation of lathes, grinders, drill presses and milling machines to manufacture metal parts to meet precise specifications. Students will also learn computer aided manufacturing (CAM) technology, computer numerically controlled (CNC) precision machine operation and programming in an apprenticeship setting. *Integrated Academic Credit: 1 Credit Applied Math (Machining Math).*

### **VETERINARY ASSISTANT**

Students will learn animal handling, diagnostic, examination and treatment procedures in a simulated clinical, boarding and grooming facility. Instruction is provided in medical terminology, anatomy and physiology, nutrition, and behavior, diseases and parasites, sterilization, handling and restraining, grooming and bathing, patient examination, surgical and treatment procedures. Emphasis is placed on the physical care of animals. Office procedures, patient scheduling, and records maintenance are also covered.

### **WEB AND COMPUTER PROGRAMMING**

The curriculum parallels computer programming courses taught at the college level. Students will learn program logic and design, analysis of program goals, and problem-solving skills. They will test programs and maintain a variety of operating and information systems. Coding assignments will be constructed in SQL, C++, HTML, Java, JavaScript, Net, LINUX, UNIX, and Visual Basic.

### **WELDING**

Students will learn a wide range of skill applicable to many metal fabrication industries, including aerospace, construction, automotive and diesel manufacturing and repair, and machining. Instruction is provided in blueprint reading, metal fabrication, cutting, layout and fit up, metallurgy and heat treatment, inspection and testing techniques. Oxy-fuel, shielded metal arc, general pipe, gas tungsten-arc and metal arc, plasma and carbon-arc welding procedures are covered.

## **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 a earning a Parkway diploma.

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

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

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

## **SPECIAL EDUCATION SERVICES IN A GENERAL EDUCATION SETTING**

### **Co-Teaching/Collaborative Instruction**

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

### **Work Experience (WORK EXP)**

Students gain training in job skills in the classroom +/- school building or at a local community job site under the direct supervision of an on-site special education teacher. Post-secondary transition goals developed by the IEP team drive the job site selection and job skills taught through the work experience program. Work Experience courses count toward the required elective credits for graduation. (This is a special education course and the setting is considered general education.)

## **SPECIAL EDUCATION SERVICES IN A SPECIAL EDUCATION SETTING**

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

These courses follow specific research-based curricula to teach reading, writing, and math strategies designed to meet the student's individual goals. Skills taught in strategies classes will support the student in their general education courses.

Strategies classes count toward the required elective credits for graduation.

### **Alternative Courses (e.g., ALT MATH, ALT ENG)**

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

### **Individualized Instruction (INDINSTRUCT)**

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

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