

# Student Course Guide

2012 2013



# Parkway North

"A National Recognition School"

Principal

Dr. Jenny Marquart

12860 Fee Fee Rd.

St. Louis, MO 63146



**PARKWAY  
NORTH  
HIGH SCHOOL**

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Activities/Athletic Director

January 2012

Dear Students and Parents,

The curriculum at North High is rich, challenging, and relevant 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 parents, 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.*

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## PARKWAY BOARD OF EDUCATION

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Mr. Bruce W. Major, Director  
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Mr. Keith Sanders, Assistant Principal  
Ms. Sue Campbell, SSD Area Coordinator

### GUIDANCE STAFF

Erin Schulte, Department Leader  
Alyssa Herrera, Social Worker  
Moyenda Anwisy, District Counselor  
Paul Arthur, Counselor  
Chandra Brown, Counselor  
Randy Ford, Counselor  
Beth Prost, Counselor

### DEPARTMENT LEADERS

<u>Department</u>	<u>Name</u>
Business/Career Tech. Ed.	Jim Parks & Bart Prosser
Modern & Classical Language	Luisa Reina
Communication Arts	Melissa Pomerantz & Greg Wagener
Family & Consumer Sciences	Marcia Barasch
Mathematics	Jody Eichacker & Jennifer Mueller
Physical Education	Chris Frankenfield
Performing Arts	Brian Reeves
Science	Jeff Gaw & Karen LaFever
Social Studies	Bob McKittrick & Joni Patton
Special Education	Amy Born & Yolanda Campbell
Technology Ed.	Scott Phillips
Visual Arts	Grant Kniffen

## COURSE REQUEST PROCESS

Monday, January 9	Curriculum Evening – 6:00 pm (freshmen)/ 7:00 pm (curriculum fair)
Monday, January 9	First day to enter Course Requests in Infinite Campus
Tuesday, January 10	Registration materials distributed during Academic Lab: Course Guide, Unofficial Transcript, and Official Course Request Sheet
Monday, January 23	Submit Official Course Request Sheets to Academic Lab teachers Last Day to enter Course Requests in Infinite Campus

Students should complete the appropriate Graduation Requirement Sheet (on page 4) and the Four-Year Plan (on page 8) prior to making course selections. On the last page of the Course Guide, you will find a sample worksheet that can be used to assist with the course request process. Official Course Request Sheets, Course Guides, and Unofficial Student Transcripts will be distributed to students on Tuesday, January 10 during Academic Lab. The completed Official Course Request Sheet, including required staff signatures, should be returned to the student's Academic Lab teacher no later than Monday, January 23, 2012.

Students will use the information on the Official Course Request Sheet to enter the requests into Infinite Campus through the Student Portal.

Curriculum Evening will be held on Monday evening, January 9, at North High. We will open at 6:00 pm with a session for incoming freshmen and parents, and will begin the curriculum fair for all at 7:00 pm. Department representatives will be available to answer any questions

students or parents may have regarding specific courses or course sequence. We will also provide staffed computer labs for parents and students needing assistance with entering the course requests into Infinite Campus.

We encourage students to complete every line of the elective courses section with courses they have an interest in taking. In the event that conflicts occur in the student's schedule or classes fill, the electives section will be used to help guidance staff complete student schedules. Failure to complete the electives section may result in a student being enrolled in courses for which they did not originally request. Please note that requesting a course does not guarantee the course will be offered or that a student will be enrolled in the course. This is particularly true for electives.

Within two weeks after the January 23 deadline for submitting Official Course Requests, guidance counselors will meet with every student to verify their course requests and correct any mistakes that are found.

### Checklist for the Course Request Process

- Use the Unofficial Transcript to complete the Graduation Requirement Sheet (page 4).
- Fill out the Four-Year Plan (page 8).
- Fill out the Official Course Request Sheet with 14 courses, plus 4 alternate course choices (Academic Lab is not included in this count).
- Obtain appropriate staff signatures on the Official Course Request Sheet.
- Both you and your parent need to sign the bottom of the Official Course Request Sheet.
- Log-in to the Student Portal in Infinite Campus and use your Official Course Request Sheet to enter the requests.  
\*If you need assistance, please see your Academic Lab teacher or a Counselor.
- Submit your signed Official Course Request Sheet to your Academic Lab teacher by **Monday, January 23, 2012.**

<b>DAILY SCHEDULE</b>		
<u>Time</u>	<u>A Day</u>	<u>B Day</u>
7:35 - 9:05	1st Block	5th Block
9:10 - 10:40	2nd Block	6th Block (Ac Lab)*
10:45 - 12:55	3rd Block & Lunch	7th Block & Lunch
<i>Lunch Period is determined by 3<sup>rd</sup> &amp; 7<sup>th</sup> Block classes.</i>	1 <sup>st</sup> Lunch	11:15 – 11:45
	2 <sup>nd</sup> Lunch	11:50 – 12:20
	3 <sup>rd</sup> Lunch	12:25 – 12:55
1:00 - 2:30	4th Block	8th Block

\* Includes 2 minutes of announcements

## 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. They 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.

## Grading System

The high school has a weighted grading system. The weighted system is as follows:

	<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

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.

## PARKWAY GRADUATION REQUIREMENTS

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

In order to keep 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.		Biology 2	English II				
World Hist.		Biology 1	English II				
Amer. Hist.		Physical Sci.	English I				Health
Amer. Hist.		Physical Sci.	English I			Personal Finance	P.E.
<b>Soc. Stud.</b>	<b>Math</b>	<b>Science</b>	<b>Comm. 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:

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

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


*Missouri Constitution*  
*United States Constitution*

*Business Education*  
*FACS*

*Cooperative Education*  
*Technical Education*

*Visual Art*    *Drama*  
*Music*        *Dance*

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

Twenty-four units of credit is the MINIMUM requirement for a diploma from a Parkway high school. Only credits earned in the ninth through twelfth grades count toward a diploma. It is necessary to pass tests on the U.S. and the Missouri Constitutions.

### Required units for graduation:

#### **4 units in Communication Arts**

#### **3 units in Social Studies:**

Modern American History – usually in Grade 9  
 World History – usually in Grade 10  
 Government – one semester in Grades 11 or 12  
 Additional Social Studies – one semester in Grades 11 or 12

#### **3 units in Science:**

Physical Science – two semesters, usually in Grades 9 or 10  
 Biological Science – two semesters, usually in Grades 9 or 10  
 Additional Science – two semesters in Grades 11 or 12

#### **3 units in Math**

#### **1 unit in Fine Arts:**

Music, Visual Art, Dance, and Drama – Grades 9, 10, 11, 12

#### **1 unit in Career and Technical Education:**

Family and Consumer Sciences, Business, Cooperative Education, Yearbook, Newspaper, Technology Education, or Vocational Education – Grades 9, 10, 11, 12.

#### **1 unit in Physical Education:**

Physical Fitness Concepts required – 9<sup>th</sup> grade; one additional PE course in Grades 10, 11 or 12.

#### **½ unit in Health Education:** - one semester in Grade 10

#### **½ unit in Personal Finance** – one semester in Grades 10, 11 or 12

**\*7 units in Elective courses** – All courses not counted for one of the specific requirements listed above meet the elective requirement.

Some circumstances may require flexibility in the grade level at which a student is required to meet diploma requirements. An alternate sequence may be agreed upon by the parent, student and counselor if it is impossible to schedule all courses usually required in a grade level without interrupting an ongoing sequence of courses.

### NCAA Clearinghouse Guidelines

Students who wish to participate in athletics at NCAA Division I or II must meet certain eligibility requirements, including:

- the successful completion of either 16 (Div. I) or 14 (Div. II) courses in high school (see chart below)
- a minimum performance on standardized test scores (ACT or SAT)
- high school grade point average (based upon core courses only)

Throughout this document, we have placed a notation next to each course for Communication Arts, Math, Science, Social Studies, and Foreign Language if it has not been approved by NCAA to count as a “core course”. We recommend that you work closely with your guidance counselor throughout high school to monitor which courses are approved or not approved. For more information regarding the rules, please go to [www.ncaa.org](http://www.ncaa.org). Click on “Academics and Athletes” then “Eligibility and Recruiting.” Or, visit the clearinghouse Web site at [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net). Please call the NCAA Eligibility Center if you have questions: Toll-free number: 877/622-2321.

#### DIVISION I

16 Core-Course rule

- 4 years of English
- 3 years of mathematics (Algebra 1 or higher)
- 2 years of natural/physical science (1 year of lab is offered by high school)
- 1 year of additional English, mathematics or natural/physical science
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)

#### DIVISION II

14 Core-Course rule

- 3 years of English
- 2 years of mathematics (Algebra 1 or higher)
- 2 years of natural/physical science (1 year of lab is offered by high school)
- 2 year of additional English, mathematics or natural/physical science
- 2 years of social science
- 3 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)

## **PARKWAY NORTH HIGH SCHOOL A+ PROGRAM**

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

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

### **Student Eligibility:**

- Enter into a written agreement with Parkway North High School prior to graduation
- Attend an A+ designated high school for three consecutive years immediately prior to graduation
- Graduate with an overall GPA of 2.5 or higher on a 4.0 scale (grades 9-12)
- Have an overall attendance rate of 95% or higher (grades 9-12)
- Perform and document 50 hours of unpaid, district supervised tutoring and mentoring
- Maintain a record of good citizenship and avoid the unlawful use of drugs and alcohol
- Make a good faith effort to secure federal aid by completing the Free Application for Federal Student Aid (FAFSA)
- Register with the Selective Service (males only)

Students who meet or exceed these requirements will be eligible to attend a Missouri public community colleges or vocational/technical school tuition-free. A student is eligible to access the A+ funds for 4 years after their graduation date. Other Missouri post-secondary institutes also offer financial incentives.

\*In order for a student to access funds, Parkway North High School must be designated by DESE as an A+ School and funds must be made available for the program by the Missouri General Assembly.

\*\*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)

# Career Clusters

The 16 Career Clusters is an organizing framework for careers based on common knowledge and skills. The clusters assist students and educators in tailoring coursework and experiences that will best prepare them for success in their chosen career areas.

The clusters provide depth to Missouri's six Career Paths, which have been used by educators for years with younger students as they begin the journey of career awareness to career exploration to career preparation.



## Parkway North High School Four-Year Plan Worksheet

	FRESHMAN YEAR – 9	SOPHOMORE YEAR – 10	JUNIOR YEAR – 11	SENIOR YEAR – 12	UNITS OF CREDIT REQUIRED	COLLEGE PREP
<b>COMMUNICATION ARTS</b>	ENGLISH 1	ENGLISH 2	ENGLISH 3	ENGLISH 4	4	4*
<b>SOCIAL SCIENCE</b>	MODERN US HISTORY	WORLD HISTORY			3	3*
			GOVERNMENT			
<b>MATHEMATICS</b>					3	4*
<b>SCIENCE</b>					3	3*
<b>MODERN &amp; CLASSICAL LANGUAGES</b>					0	2* recommended
<b>CAREER &amp; TECH ED.</b>					1	1
<b>FINE ART</b>					1	1
<b>PHYSICAL EDUCATION</b>	PHYSICAL FITNESS CONCEPTS				1	1
<b>HEALTH</b>	X		X	X	0.5	0.5
<b>PERSONAL FINANCE</b>	X				0.5	0.5
<b>ELECTIVES</b>					7	7 (3 or more electives w/ *)
<b>GRADUATION REQUIREMENTS</b>			MISSOURI CONSTITUTION TEST		24	25
			UNITED STATES CONSTITUTION TEST			

## 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.

**Rank in class** – Where a student stands academically in relationship to members of their class. Usually expressed by percentage (upper 10%, upper 50%) or by rank order (20/300) or by percentile (90<sup>th</sup> percentile, 50<sup>th</sup> percentile).

**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.

**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 (Years of Work)
Highly Selective	English 4 Social Studies 4 Math 4 Science 4 Foreign Language 4
Selective	English 4 Social Studies 3-4 Math 4 Science 3-4 Foreign Language 2-4
Traditional	English 4 Social Studies 2 Math 3 Science 3-4 Foreign Language 2-4
Liberal Arts	English 4 Social Studies 2 Math 3 Science 3 Foreign Language 0-2
Open Enrollment	English 3 Social Studies 2 Math 2 Science 2

## Planning Check List

### Grade 9 Check List

- \_\_\_\_\_ 1. Parents and student discuss plans for student's future.  
 Include the following:  
 (a) Student performance: discuss balance and priorities in terms of:  
     - grades      - sports      - differential aptitude test  
     - activities   - leisure     - part-time jobs  
 (b) Post-secondary educational opportunities:  
     - college (2-4 yr. program)  
     - apprenticeship programs - military  
     - trade & tech schools- nursing schools  
     - on-the-job training programs  
 (c) Financial planning for post-secondary education:  
     - family contribution - student savings  
     - student earnings - financial aid  
 (d) Career exploration:  
     - interests    - experiences  
     - aptitudes   - occupational information
- \_\_\_\_\_ 2. Parents and student use resources available in school:  
 (a) Student's educational record (review with counselor).  
 (b) Materials available in counseling center and library.  
 (c) Review high school course guide.
- \_\_\_\_\_ 3. Participate in student's program planning and registration process.

### Grade 10 Check List

- \_\_\_\_\_ 1. Discuss and reevaluate career exploration (review 9<sup>th</sup> grade suggestions).
- \_\_\_\_\_ 2. Use resources in school (review 9<sup>th</sup> grade suggestions).
- \_\_\_\_\_ 3. Participate in student's program planning/registration process.
- \_\_\_\_\_ 4. Review with student results of achievement tests and vocational interest surveys, including the PLAN.
- \_\_\_\_\_ 5. Encourage student to establish a relationship with his/her counselor.
- \_\_\_\_\_ 6. Become familiar with vocational programs in the high school.
- \_\_\_\_\_ 7. Explore interest in St. Louis County Technical High Schools/ two-year programs. Students must apply during first semester.
- \_\_\_\_\_ 8. Review high school course guide.

### Grade 11 Check List

- \_\_\_\_\_ 1. Discuss and reevaluate career exploration (9<sup>th</sup> grade suggestions).
- \_\_\_\_\_ 2. Use resources available in school (9<sup>th</sup> grade suggestions).
- \_\_\_\_\_ 3. Participate in students' program planning/registration process-urge your student to check graduation requirements.

- \_\_\_\_\_ 4. Encourage student to continue working with his/her counselor.
- \_\_\_\_\_ 5. Decide if your student should take the PSAT/NMSQT.
- \_\_\_\_\_ 6. Register and take elective tests for college admission beginning February.  
 Candidate for early admission will need junior test:  
     (a) American College Tests (ACT).  
     (b) Scholastic Aptitude Test (SAT).
- \_\_\_\_\_ 7. Start application process for military academies and ROTC scholarships if interested.
- \_\_\_\_\_ 8. Work with student in college selection process.  
 (a) Discuss the variables of college choice with student (i.e., distance, type, appropriate cost range, etc.).  
 (b) Use College Planning Guide distributed by the guidance department.  
 (c) Encourage students to take advantage of college information programs offered by counseling office.  
 (d) Participate in programs for parents on college planning.  
 (e) Meet with student's counselor in second semester.  
 (f) Attend college fairs.  
 (g) Help your student arrange visits to colleges/universities under consideration.
- \_\_\_\_\_ 10. Review high school course guide.

### Grade 12 Check List

- \_\_\_\_\_ 1. Verify that student will meet all requirements for graduation.
- \_\_\_\_\_ 2. Encourage student to continue working with his/her counselor.
- \_\_\_\_\_ 3. Continue working with student in college selection process.  
 (a) Register for required college test.  
 (b) Reach an agreement about the selection factors.  
 (c) Encourage your student to take advantage of college admissions counselors, school visits and information meetings held in St. Louis.  
 (d) Attend college fairs if still undecided.  
 (e) Attend financial aid meeting.  
 (f) Meet with student's counselor.  
 (g) Submit college and scholarship applications before deadlines.  
 (h) Submit FAFSA (Free Application for Financial Student Aid) and CSS Profile (if needed).
- \_\_\_\_\_ 4. Encourage student to attend career exploration programs and meet with visiting resource people.
- \_\_\_\_\_ 5. Encourage your student to carefully check over the policies on college credit by examination and arrange for appropriate tests.

## PARKWAY NORTH HIGH SCHOOL - COURSE OFFERINGS FOR 2012-2013

Note: "AP" refers to "Advanced Placement" courses for which students may opt to pay a nominal fee to attempt to test out of these courses in colleges that accept AP credit (See page 69.) \*Indicates course is not approved by the NCAA Clearinghouse

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
<b>Communication Arts - p. 18</b>						
19	057011 & 057012	English 1	9	Year	1.0	No
19	058011 & 058012	Honors English 1	9	Year	1.0	Yes
19	057021 & 057022	English 2	10	Year	1.0	Yes
19	058021 & 058022	Honors English 2	10	Year	1.0	Yes
19	057580	Contemporary World Literature	9-10	Semester	0.5	Yes
19	057031 & 057032	English 3	11	Year	1.0	Yes
20	057120	Introduction to College Writing	12	Semester	0.5	Yes
20	057160	Creative Writing: Poetry	11-12	Semester	0.5	Yes
20	057171 & 057172	Creative Writing: Non-Fiction	11-12	Year	1.0	Yes
20	057180	Creative Writing: Short Story	11-12	Semester	0.5	Yes
20	057260	College Communication Arts*	12	Semester	0.5	Yes
20	057361 & 057372	English 4A & English 4B	12	Year	1.0	Yes
21	057490	African American History & Literature	10-12	Semester	0.5	Yes
21	057540	Comparative Mythology	11-12	Semester	0.5	Yes
21	057560	Masterpieces 1	12	Semester	0.5	Yes
21	057570	Masterpieces 2	12	Semester	0.5	Yes
21	058080	Trends in American Literature (Honors)	11	Semester	0.5	Yes
21	059300	AP English Language and Composition	11	Semester	0.5	Yes
22	059041	AP English Literature and Composition 1	12	Semester	0.5	Yes
22	059042	AP English Literature and Composition 2	12	Semester	0.5	Yes
22	057300	Beginning Journalism*	9-11	Semester	0.5	Yes
22	057350	Photojournalism*	9-12	Semester	0.5	No
<b>School Publications – p. 22</b>						
22	057311 & 05312	Newspaper 1	10-12	Year	1.0	Yes
22	057321 & 057322	Newspaper 2	10-12	Year	1.0	Yes
22	057331 & 057332	Newspaper 3 (Honors Option)	11-12	Year	1.0	Yes
23	057341 & 057342	Newspaper 4 (Honors Option)	11-12	Year	1.0	Yes
23	057411 & 057412	Yearbook 1	9-12	Year	1.0	Yes
23	057421 & 057422	Yearbook 2	10-12	Year	1.0	Yes
23	057431 & 057432	Yearbook 3 (Honors Option)	11-12	Year	1.0	Yes
23	057441 & 057442	Yearbook 4 (Honors Option)	12	Year	1.0	Yes
23	057830	Shakespeare Alive!	10-12	Semester	0.5	Yes
<b>Speech &amp; Debate - p. 23</b>						
23	057600	Communication	9-12	Semester	0.5	No
23	057620	Advanced Projects in Speech	11-12	Semester	0.5	Yes
24	057630	Public Speaking	9-12	Semester	0.5	No
24	057700	Radio and Television Announcing	9-12	Semester	0.5	No
24	057650	Advanced Broadcasting	11-12	Semester	0.5	Yes
24	057660	Debate 1	9-12	Semester	0.5	Yes
24	057670	Debate 2	10-12	Semester	0.5	Yes

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
<b>English for Speakers of Other Languages - p. 25</b>						
25	052911 & 052912	ESOL Level 1	9-12	Year	1.0	Yes
25	052921 & 052922	ESOL Level 2	9-12	Year	1.0	Yes
25	052931 & 052932	ESOL Level 3	9-12	Year	1.0	Yes
25	052941 & 052942	ESOL Level 4	9-12	Year	1.0	Yes
25	052951 & 052952	ESOL Essentials	9-12	Year	1.0	Yes
<b>Mathematics - p. 26</b>						
27	117101 & 117102	Algebra 1	9-10	Year	1.0	No
27	118201 & 118202	Honors Geometry	9-10	Year	1.0	Yes
27	117201 & 117202	Geometry A	9-12	Year	1.0	Yes
27	116201 & 116202	Geometry B*	10-12	Year	1.0	Yes
27	117301 & 117302	Algebra 2	11-12	Year	1.0	Yes
27	117401 & 117402	Algebra 2 with Trigonometry	10-12	Year	1.0	Yes
27	118401 & 118402	Honors Algebra 2 with Trigonometry	10-11	Year	1.0	Yes
28	117501 & 117502	College Preparatory Math	12	Year	1.0	Yes
28	117701 & 117702	Pre-Calculus	11-12	Year	1.0	Yes
28	118701 & 118702	Honors Pre-Calculus	11-12	Year	1.0	Yes
28	117921 & 117922	Finite Mathematics	11-12	Year	1.0	Yes
28	119801 & 119802	AP Calculus AB	12	Year	1.0	Yes
28	119851 & 119852	AP Calculus BC	12	Year	1.0	Yes
28	119901 & 119902	AP Statistics	12	Year	1.0	Yes
<b>Science - p. 29</b>						
30	137350	Chemical and Physical Systems	9	Semester	1.0	Yes
30	137210	Matter and Change	9	Semester	0.5	Yes
30	138210	Honors Matter and Change	9-10	Semester	0.5	Yes
30	137310	Forces and Motion in 1D	9	Semester	0.5	Yes
30	138310	Honors Forces and Motion in 1D	9	Semester	0.5	Yes
30	136140	Foundations of Biology 1:Cells and Variation*	9-12	Semester	0.5	No
31	136150	Foundations of Biology 2:Evolution and Ecology*	9-12	Semester	0.5	Yes
31	137140	Biology 1: Cells and Variation	9-10	Semester	0.5	Yes
31	138140	Honors Biology 1: Cells and Variation	9-10	Semester	0.5	Yes
31	137150	Biology 2: Evolution and Ecology	9-10	Semester	0.5	Yes
31	138150	Honors Biology 2: Evolution and Ecology	9-10	Semester	0.5	Yes
32	137160	Biology 3 : Biotechnology and Systems	10-12	Semester	0.5	Yes
32	138160	Honors Biology 3: Biotechnology and Systems	10-12	Semester	0.5	Yes
32	136201 & 136202	Concepts of Chemistry*	10-12	Year	1.0	Yes
32	137201 & 137202	Chemistry	10-12	Year	1.0	Yes
32	138201 & 138202	Honors Chemistry	10-12	Year	1.0	Yes
33	136301 & 136302	Concepts of Physics*	10-12	Year	1.0	Yes
33	137301 & 137302	Physics	11-12	Year	1.0	Yes
33	138301 & 138302	Honors Physics	11-12	Year	1.0	Yes
33	137460	Human Anatomy and Physiology	11-12	Semester	0.5	Yes
33	137430	Organic Chemistry	11-12	Semester	0.5	Yes
33	137490	Geology	11-12	Semester	0.5	Yes
34	137500	Environmental Science	11-12	Semester	0.5	Yes

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
34	137550	Astronomy and Meteorology	11-12	Semester	0.5	Yes
34	137910	Science Seminar	11-12	Semester	0.5	Yes
34	137930	Science Laboratory Assistant*	11-12	Semester	0.5	Yes
34	139151 & 139152	AP Biology	11-12	Year	1.0	Yes
34	139251 & 139252	AP Chemistry	11-12	Year	1.0	Yes
35	139311 & 139312	AP Physics B	12	Year	1.0	Yes
35	139321	AP Physics C: Mechanics	11-12	Semester	0.5	Yes
35	139332	AP Physics C: Electricity and Magnetism	11-12	Semester	0.5	Yes
35	139501 & 139502	AP Environmental Science	11-12	Year	1.0	Yes

### **Social Studies - p. 36**

37	157001 & 157002	Modern United States History	9	Year	1.0	No
37	158001 & 158002	Modern United States History (Honors)	9	Year	1.0	Yes
37	158340	Colonial America (Honors)	11-12	Semester	0.5	Yes
37	157011 & 157012	World History: The Modern Era	10	Year	1.0	No
37	157100	United States Government	11-12	Semester	0.5	Yes
37	157350	History of St. Louis	11-12	Semester	0.5	Yes
38	157360	History of the American West	11-12	Semester	0.5	Yes
38	157370	Media in America	11-12	Semester	0.5	Yes
38	157570	African-American History & Literature	10-12	Semester	0.5	Yes
38	157590	Ancient Civilizations	11-12	Semester	0.5	Yes
38	157750	Crime and the Law	11-12	Semester	0.5	Yes
38	157760	Contemporary Issues	11-12	Semester	0.5	Yes
38	157770	Ecology	11-12	Semester	0.5	Yes
39	157780	Anthropology	11-12	Semester	0.5	Yes
39	157790	Sociology	11-12	Semester	0.5	Yes
39	157800	Psychology	11-12	Semester	0.5	Yes
39	157830	Modern Warfare	11-12	Semester	0.5	Yes
39	157840	Philosophy and Ethics	11-12	Semester	0.5	Yes
39	157850	Gender, Time and Place	11-12	Semester	0.5	Yes
39	158700	Economics (Honors)	11-12	Semester	0.5	Yes
40	159111 & 159112	AP US Government and Comparative Politics	11-12	Year	1.0	Yes
40	159301 & 159302	AP United States History	11-12	Year	1.0	Yes
40	159011 & 159012	AP World History	10-12	Year	1.0	Yes
40	159501 & 159502	AP European History	11-12	Year	1.0	Yes
40	159801 & 159802	AP Psychology	11-12	Year	1.0	Yes

### **Modern & Classical Languages - p. 41**

#### French - p. 41

41	067011 & 067012	French 1	9-12	Year	1.0	No
41	067021 & 067022	French 2	9-12	Year	1.0	Yes
42	067031 & 067032	French 3	10-12	Year	1.0	Yes
42	067041 & 067042	French 4 (Honors Option)	11-12	Year	1.0	Yes
42	068051 & 068052	French 5 (Honors)	12	Year	1.0	Yes

#### German - p. 42

42	067111 & 067112	German 1	9-12	Year	1.0	No
42	067121 & 067122	German 2	9-12	Year	1.0	Yes

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
43	067131 & 067132	German 3	10-12	Year	1.0	Yes
43	067141 & 067142	German 4 (Honors Option)	11-12	Year	1.0	Yes
43	068151 & 068152	German 5 (Honors)	12	Year	1.0	Yes
	<b><u>Latin - p. 43</u></b>					
43	067211 & 067212	Latin 1	9-12	Year	1.0	No
43	067221 & 067222	Latin 2	9-12	Year	1.0	Yes
44	067231 & 067232	Latin 3	10-12	Year	1.0	Yes
44	067241 & 067242	Latin 4 (Honors Option)	11-12	Year	1.0	Yes
	<b><u>Spanish - p. 44</u></b>					
44	067311 & 067312	Spanish 1	9-12	Year	1.0	No
44	067321 & 067322	Spanish 2	9-12	Year	1.0	Yes
44	067331 & 067332	Spanish 3	10-12	Year	1.0	Yes
45	067341 & 067342	Spanish 4 (Honors Option)	11-12	Year	1.0	Yes
45	068351 & 068352	Spanish 5 (Honors)	12	Year	1.0	Yes
	<b><u>Visual Arts - p. 46</u></b>					
46	027000	Design Arts	9-12	Semester	0.5	No
46	027100	Drawing	9-12	Semester	0.5	No
47	027120	Drawing 2	9-12	Semester	0.5	Yes
47	027200	Ceramics	9-12	Semester	0.5	Yes
47	027220	Ceramics 2	10-12	Semester	0.5	Yes
47	027240	Sculpture	9-12	Semester	0.5	Yes
47	027250	Advanced 3-D Studies	10-12	Semester	0.5	Yes
47	027300	Photography	10-12	Semester	0.5	Yes
47	027320	Photography 2	10-12	Semester	0.5	Yes
47	027330	Photography 3	11-12	Semester	0.5	Yes
48	027500	Painting	9-12	Semester	0.5	Yes
48	027810	Digital Design	9-12	Semester	0.5	No
48	027820	Digital Design 2	10-12	Semester	0.5	Yes
48	029560	AP Art History 1	11-12	Semester	0.5	Yes
48	029570	AP Art History 2	11-12	Semester	0.5	Yes
48	029781 & 029782	AP Studio Art	11-12	Year	1.0	Yes
	<b><u>Performing Arts - p. 49</u></b>					
	<b><u>Theatre Arts - p. 49</u></b>					
49	057720	Theatre Arts	9-12	Semester	0.5	No
49	057730	Improvitational Theatre	9-12	Semester	0.5	Yes
50	057760	Technical Theatre	9-12	Semester	0.5	Yes
50	057770	Children's Theatre	9-12	Semester	0.5	Yes
50	057800	Actor's Studio	10-12	Semester	0.5	Yes
50	057810	Actor's Studio 2 (Honors Option)	11-12	Semester	0.5	Yes
50	057820	Directing (Honors Option)	12	Semester	0.5	Yes
50	057830	Shakespeare Alive!	10-12	Semester	0.5	Yes
50	127730	Studies in Musical Theatre	9-12	Semester	0.5	Yes
	<b><u>Music - p. 51</u></b>					
51	127001 & 127002	Chorus	9-12	Year	1.0	No
51	127041 & 127042	Concert Chorale	9-12	Year	1.0	Yes

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
51	127061 & 127062	Chamber Choir	9-10	Year	1.0	Yes
51	127171 & 127172	Concert Choir Mixed (Honors Option)	11-12	Year	1.0	Yes
51	127181 & 127182	Concert Choir Treble (Honors Option)	11-12	Year	1.0	Yes
51	127411 & 127412	Concert Orchestra 1	9	Year	1.0	Yes
52	127421 & 127422	Concert Orchestra 2	10-12	Year	1.0	Yes
52	127441 & 127442	Symphonic Orchestra (Honors Option)	9-12	Year	1.0	Yes
52	127512	Concert Band	9-12	Semester	0.5	Yes
52	127521 & 127522	Jazz Lab	9-12	Year	1.0	Yes
52	127551 & 127552	Symphonic Band Percussion (Honors Option)	9-12	Year	1.0	Yes
52	127561	Marching Band	9-12	Semester	0.1	Yes
53	127571 & 127572	Symphonic Band 1 (Honors Option)	9-12	Year	1.0	Yes
53	127610	Piano	9-12	Semester	0.5	No
53	127620	Piano 2	9-12	Semester	0.5	Yes
53	127630	Guitar	9-12	Semester	0.5	No
53	127640	Guitar 2	9-12	Semester	0.5	Yes
53	127701 & 127702	Music Theory (Honors Option)	10-12	Year	1.0	Yes
54	127730	Studies in Musical Theatre	9-12	Semester	0.5	Yes
54	127760	Music Designs	9-12	Semester	0.5	No

#### **Business Education - p. 54**

55	037010	Integrated Computer Literacy	9-12	Semester	0.5	No
55	037270	Microsoft Office	9-12	Semester	0.5	Yes
55	037280	Desktop Publishing	9-12	Semester	0.5	Yes
55	037310	Introduction to Computer Science	10-12	Semester	0.5	Yes
55	037350	Introduction to Business	9-10	Semester	0.5	Yes
55	037111 & 037112	Accounting 1	10-12	Year	1.0	Yes
56	037121 & 037122	Accounting 2 (Honors Option)	11-12	Year	1.0	Yes
56	037550	Business Management	11-12	Semester	0.5	Yes
56	037570	Web Design 1	9-12	Semester	0.5	No
56	037580	Web Design 2	9-12	Semester	0.5	Yes
56	037590	Multimedia	9-12	Semester	0.5	Yes
56	037290	Multimedia 2: Digital Production	9-12	Semester	0.5	Yes
56	037490	Adobe Flash	10-12	Semester	0.5	Yes
57	037711 & 037712	Business Internship 1	11-12	Year	1.0	Yes
57	037721 & 037722	Business Internship 2	11-12	Year	1.0	Yes
57	039321 & 039322	AP Computer Science A	11-12	Year	1.0	Yes
57	047751 & 047752	Marketing 1	10-12	Year	1.0	Yes
57	047761 & 047762	Marketing 2	11-12	Year	1.0	Yes
57	047801 & 047802	Marketing Internship 1	11-12	Year	1.0	Yes
58	047821 & 047822	Marketing Internship 2	11-12	Year	1.0	Yes

#### **Family and Consumer Sciences - p. 58**

59	097010	Culinary Arts 1/ProStart®	9-12	Semester	0.5	No
59	097020	Culinary Arts 2/ProStart®	10-12	Semester	0.5	Yes
59	097050	Culinary Arts 3/ProStart®	10-12	Semester	0.5	Yes

Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
59	097040	Culinary Arts 4/ProStart®	10-12	Semester	0.5	Yes
59	097110	International Cuisine	11-12	Semester	0.5	Yes
59	097210	Clothing 1	9-12	Semester	0.5	No
59	097220	Clothing 2	9-12	Semester	0.5	Yes
60	097250	Fashion Merchandising	9-12	Semester	0.5	No
60	097260	Textile Designs	9-12	Semester	0.5	No
60	097400	Human Relations	9-12	Semester	0.5	No
60	097420	Child Development 1	9-12	Semester	0.5	No
60	097430	Child Development 2	9-12	Semester	0.5	Yes
60	097440	Senior Seminar	12	Semester	0.5	Yes
60	097460	Career Management	11-12	Semester	0.5	Yes
61	097550	Housing and Interior Design	9-12	Semester	0.5	No
61	097561	Career Pathways for Teaching Profession Foundations	11-12	Semester	0.5	Yes
61	097562	Career Pathways for Teaching Profession Practicum	11-12	Semester	0.5	Yes

### **Personal Finance - p. 61**

61	037100	Personal Finance	10-12	Semester	0.5	No
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### **Technology & Engineering - p. 62**

#### **Pre-Engineering - p. 62**

62	108711 & 108712	Intro to Engineering Design (Honors)	9-12	Year	1.0	No
62	108751 & 108752	Principles of Engineering (Honors)	10-12	Year	1.0	Yes
63	108451 & 108452	Digital Electronics (Honors)	10-12	Year	1.0	Yes
63	108201 & 108202	Civil Engineering and Architecture (Honors)	11-12	Year	1.0	Yes
63	108211 & 108212	Computer Integrated Manufacturing (Honors)	10-12	Year	1.0	Yes

#### **Technology Education - p. 63**

63	107070	Drafting	9-12	Semester	0.5	No
64	107680	Robotics Technology	9-12	Semester	0.5	No
64	107121	Design and Technology 1	9-12	Semester	0.5	No
64	107132	Design and Technology 2	9-12	Semester	0.5	Yes
64	107050	Power, Energy, and Transportation Tech 1	9-12	Semester	0.5	No
64	107060	Power, Energy, and Transportation Tech 2	9-12	Semester	0.5	Yes
64	107500	Construction Technology	9-12	Semester	0.5	No

#### **Information Technology - p. 65**

65	037400	Fundamentals of IT/Computer Maint.	9-12	Semester	0.5	No
65	037411 & 037412	A+ Computer Maintenance Program	11-12	Year	1.0	Yes
65	037651 & 037652	Network+ Certification	11-12	Year	1.0	Yes

### **Driver's Education - p. 66**

66	087350	Traffic Safety and Driver Education	9-12	Semester	0.5	No
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### **Health & Physical Education - p. 66**

#### **Health - p. 66**

66	077100	Health Education	10	Semester	0.5	Yes
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Page	Course #(s)	Course Title	Grade	Duration	Credit	Prerequisite
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**Physical Education - p. 66**

66	087110	Physical Fitness Concepts	9-10	Semester	0.5	Yes
67	087140	Competitive Sports and Games	10-12	Semester	0.5	Yes
67	087150	Lifetime and Recreation Sports	10-12	Semester	0.5	Yes
67	087200	Strength and Conditioning	10-12	Semester	0.5	Yes
67	087300	Adventure Pursuits	10-12	Semester	0.5	Yes
67	087400	Walking Fitness	10-12	Semester	0.5	Yes
67	087820	Aquatic Experiences/Scuba	10-12	Semester	0.5	Yes
67	087830	Lifeguard Training	10-12	Semester	0.5	Yes
67	087950	PE Mentor	10-12	Semester	0.5	Yes

**Special Offerings - p. 68**

68	813100	Leadership Development 1	9-10	Semester	0.5	Yes
68	993300	Senior Project: Service Learning and Social Justice	12	Semester	0.5	Yes
68	995641 & 995642	Intervention & Instruction	9	Year	1.0	Yes

**Additional Information - p. 69**

69	Advanced College Credit Programs
69	Advanced Placement (AP)
70	Special Education Services
72	SSD Technical High Schools

## COMMUNICATION ARTS

Required Communication Arts Credits: 4.0 credits

\*NOTE: All Honors Courses require summer reading—get the list from your counselor or your English teacher.

SUGGESTED PROGRAM OF STUDY: 9 <sup>TH</sup> –11 <sup>TH</sup> GRADES		
9 <sup>th</sup> Grade	10 <sup>h</sup> Grade	11 <sup>th</sup> Grade
<ul style="list-style-type: none"> <li>▪ English 1</li> </ul> <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> <li>▪ English 1-Honors*</li> </ul>	<ul style="list-style-type: none"> <li>▪ English 2</li> </ul> <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> <li>▪ English 2-Honors*</li> </ul>	<ul style="list-style-type: none"> <li>▪ English 3</li> </ul> <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> <li>▪ Trends in American Lit/ AP Language and Composition*</li> </ul>

SUGGESTED PROGRAM OF STUDY: 12 <sup>TH</sup> GRADE			
	Core Courses	Honors Courses	English Electives (English credit offered)
<b>F A L L</b>	<ul style="list-style-type: none"> <li>▪ English 4A</li> </ul>	<ul style="list-style-type: none"> <li>▪ AP Lit &amp; Comp (Early Eng Lit/ Shakespeare)</li> </ul>	<ul style="list-style-type: none"> <li>▪ African-American History and Literature††</li> <li>▪ Creative Writing: Short Story†</li> <li>▪ Masterpieces 1</li> <li>▪ Introduction to College Writing</li> <li>▪ Comparative Mythology</li> <li>▪ Creative Writing: Non-Fiction</li> </ul>
<b>S P R I N G</b>	<ul style="list-style-type: none"> <li>▪ English 4B</li> </ul>	<ul style="list-style-type: none"> <li>▪ AP Lit &amp; Comp (Trends in European Lit)</li> </ul>	<ul style="list-style-type: none"> <li>▪ African-American History and Literature††</li> <li>▪ Creative Writing: Poetry†</li> <li>▪ Masterpieces 2</li> <li>▪ College Communication Arts</li> <li>▪ Comparative Mythology</li> <li>▪ Creative Writing: Non-Fiction</li> <li>▪ AP Language and Composition</li> </ul>

COMMUNICATION ARTS CREDIT /ELECTIVES AVAILABLE				
<i>X=English credit O=elective credit</i>	9	10	11	12
Contemporary World Literature†	X†	X†		
African American History and Literature†††		X†††	X†††	X
Creative Writing: Poetry ††			X††	X
Creative Writing: Short Story††			X††	X
College Communication Arts				X
Fundamentals of Composition				X
Masterpieces 1 and 2				X
Comparative Mythology			X††	X
Creative Writing: Non-Fiction			X	X

†must be concurrently enrolled in English 1 or English 2

†† may be taken in 11<sup>th</sup> grade if concurrently enrolled in English 3

††† must be concurrently enrolled in English 2 or 3 OR may be taken as a 12<sup>th</sup> grade English Credit

057011 & 057012 (Year-long)

**English 1**

Grade: 9 ENGLISH 1

1 English credit

Prerequisite: None

The Essential Question guiding study in Grade 9 is: "To what extent are people defined by their actions?" The ninth grade English program consists of studying various forms of literature and composition, including mechanics and usage. Reading comprehension and analytic skills are expanded through the study of the short story, the novel, poetry, and drama. One Shakespearean play is included along with modern and classical works. Writing skills move from strengthening the paragraph into careful building of a well developed essay. Mechanics and usage, vocabulary, spelling, and oral communication are emphasized.

058011 & 058012 (Year-long)

**Honors English 1**

Grade: 9 +ENGLISH 1

1 English credit

Prerequisite: Teacher recommendation or department approval

Each honors course has required summer reading. Summer letters are issued, but if you do not receive one, be sure to check with your English teacher or the English department to obtain the titles. English 1(Honors) 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 ENGLISH 2

1 English credit

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

The Essential Questions for Grade 10 are: "How do external forces shape the individual? To what extent does the individual shape society?" 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 and organizational patterns of exposition. Instruction in the writing of formal essays continues throughout the year. Special attention is given to problems of usage and mechanics which persist in students' oral and written English. Improvement in vocabulary is stressed, as is independent reading. 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 +ENGLISH 2

1 English credit

Prerequisite: English 1 and teacher recommendation or department approval

English 2 (Honors) is for highly motivated 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 quality of assigned reading, writing, and analysis. Students must be willing to 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 CON WRLD LIT

½ English credit

Prerequisite: Concurrent enrollment in English 1 or English 2

This 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 ENGLISH 3

1 English credit

Prerequisite: English 2

The Essential Question for this course is: "How can you balance the needs of the individual with the needs of society?" Within this line of inquiry, the course focuses on the variety of ways the American dream has evolved for different groups of people, as presented in the novels, plays, essays, poetry and short stories of major American writers. Emphasis is placed on mastering priority reading and writing standards through literary analysis based on oral and written language expression. Students continue to develop their composition and rhetorical skills, research skills, critical thinking, vocabulary and study skills.

057120

**Introduction to College Writing**

Grade: 12 FUND OF COMP

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 CRT WTG PTRY

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 CRTWRNONGFIC

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 CRT WTG SHST

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

**College Communication Arts**

Grade(s): 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**

057372

**English 4B**

Grade: 12 ENG 4A & ENG 4B

½ English credit (1<sup>st</sup> Semester) - ½ English Credit (2<sup>nd</sup> Semester)

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

Students may take one or both semesters of this course.

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

English 4-A traces the beginnings of English literature and focuses on pieces through the 1800's including Beowulf, Chaucer's Canterbury Tales, and Shakespeare's Hamlet. The class includes other key and supplementary pieces by authors of various backgrounds, styles, and interests. Reading, writing, and communication skills are all stressed.

English 4-B focuses on a wide range of authors, which may include Dante, Dumas, Steinbeck, and various others.

057490

**African American History & Literature**

Grades: 10-12 AFRCN/ AM LIT

½ 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, English 2, or English 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. A variety of literary pieces and historical texts from diverse authors and time periods serve as the foundation for the course. The course develops high level skills in literary and historical reading, writing, and analysis. Evaluation is based on a variety of activities including, but not limited to group work, quizzes, essays, and oral presentations. This course is offered as an elective to sophomores, juniors and seniors.

057540

**Comparative Mythology**

Grades: 11 -12 COMP MYTHLGY

½ English credit

Prerequisite: English 2. May not be substituted for English 3.

Students in this course will examine the myths of many world cultures, including Greek, Roman, African, and Asian. Using Edith Hamilton's Mythology and Joseph Campbell's The Power of Myth, students will learn, analyze and compare these myths in order to understand and appreciate the significance of myths throughout all places and times.

057560

**Masterpieces 1**

Grade: 12 MSTPCS LIT 1

½ English credit

Prerequisite: Successful completion of 3 credits of English, and teacher recommendation

This course is offered to seniors only as a college-preparatory humanities course rather than a traditional English class. It is offered for college credit through the University of Missouri. 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 MSTPCS LIT 2

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

058080

**Trends in American Literature (Honors)**

Grade: 11 +TNDS AM LIT

½ English credit

Prerequisite: Teacher recommendation

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 +APENGLNGCMP

½ English credit

Prerequisite: Department approval

Each honors course has required summer reading. Summer letters are issued, but if you do not receive one, be sure to check with your English teacher or the English department to obtain the titles.

This course is designed for highly motivated juniors and seniors with good reading and writing ability. The 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. The course will cover the curriculum recommended by the College Board for the AP English Language and Composition test. Summer reading is required and weighted grade is given.

059041

**AP English Literature and Composition 1**

059042

**AP English Literature and Composition 2**

Grade: 12 +AP ENG LIT CMP

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

Prerequisite: Department approval

The Advanced Placement course offers seniors the opportunity to obtain college credit and receive a weighted grade. Literature covered is wide-ranging (classical, contemporary, and worldwide) and is representative of all literary genres, from satire to comedy and from tragedy to the epic. The emphasis in the course is on reading and writing and analytical interpretation; it is presumed that the student is familiar with writing critical essays. Dual enrollment with St. Louis University or UMSL may be available at some schools. This course prepares students to take the College Board Advanced Placement Literature and Composition examination.

057300

\*not an NCAA "core course"

**Beginning Journalism**

Grades: 9 -11 BEG JOURNLSM

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 PHOTO/JOURNAL

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 photo-composition. During processing, instruction will pertain to composing the photos, manipulating the photos using Photoshop, writing captions for the photos, and troubleshooting problems related to the photos. Although not a requirement, it would be helpful for students to have their own digital cameras.

**SCHOOL PUBLICATIONS**

057311 & 057312 (Year-long)

**Newspaper 1**

Grades: 10-12 NEWSPAPER 1

1 CTE credit

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

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

057321 & 057322 (Year-long)

**Newspaper 2**

Grades: 10 - 12 NEWSPAPER 2

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 NEWSPAPER 3

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)**  
Grade: 11-12 NEWSPAPER 4  
1 CTE credit  
Prerequisite: Newspaper 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**  
Grade: 9-12 YEARBOOK 1  
1 CTE credit  
Prerequisite: Beginning Journalism or recommendation of English teacher

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**  
Grade: 10-12 YEARBOOK 2  
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)**  
Grade: 11-12 YEARBOOK 3  
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 YEARBOOK 4  
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.

057830  
**Shakespeare Alive!**  
Grade(s): 10 - 12 SHAKE ALIVE  
½ English or Fine Arts credit  
Prerequisite: English 1

This course is designed for the student interested in understanding Shakespeare. Students will focus on four plays and read, analyze, interpret as well as perform the material. Students will also study the production aspects associated with Elizabethan Theatre. Memorization is required.

## **SPEECH / DEBATE**

057600  
**Communication 1**  
Grade(s): 9 - 12  
½ Electives 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 ADV PROJ/SPH  
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.

057630

**Public Speaking**

Grades: 9-12 PUB SPKING

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 University of Missouri-St. Louis. Some memorization may be required.

057700

**Radio and Television Announcing**

Grades: 9-12 RADIO TV AN

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 ADV BROADCAST

½ Elective credit

Prerequisite: Radio and Television Announcing and permission of instructor

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

057660

**Debate 1**

Grades: 9-12 DEBATE 1

½ Elective credit

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

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 DEBATE 2

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. Participants in this course may elect to enroll in the University of Missouri - St. Louis advanced college credit program. Forensic team participation is a requirement of this course.

## ENGLISH FOR SPEAKERS OF OTHER LANGUAGES

052911 & 052912

### 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

### 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

### 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 are eligible for this class.

052941 & 052942

### 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

### ESOL Essentials

Grades: 9 - 12

1 English credit

Prerequisite: Instructor approval

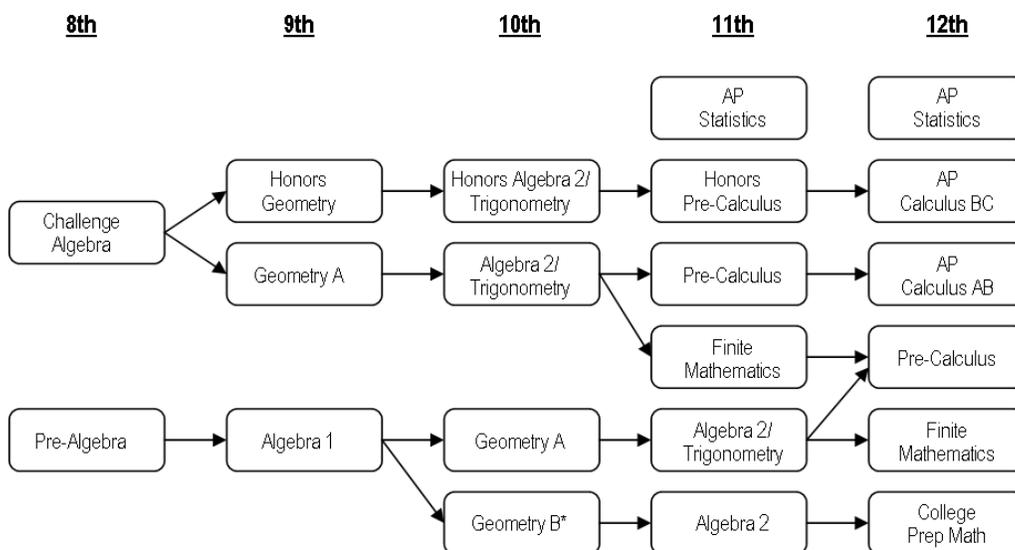
This course is designed for students who have limited English proficiency. Emphasis is placed on acquiring skills in listening, reading, speaking and writing. This intensive instruction in a supportive and non-threatening environment, helps students learn English quickly and allows ELLs to make necessary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

# 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.

## MATHEMATICS SEQUENCE



\* Indicates course is not approved by the NCAA Clearinghouse

### **HONORS PROGRAM:**

*Please 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:**

- 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 Challenge Algebra in the eighth grade have met the prerequisite for beginning this program.

The mathematics department also offers a year course in AP Computer Science A, and a year course in AP Statistics.

### **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, Finite Mathematics, or Pre-Calculus. This strand is a follow-up of eighth grade Pre-Algebra.

**GENERAL COURSES FOR COLLEGE BOUND:** Courses listed in this strand are: Algebra 1, Geometry, Algebra 2 and College Preparatory Math. This strand is not suggested as preparation for universities with rigorous admission requirements.

117101 & 117102 (Year-long)

**Algebra 1**

Grades: 9-10 ALGEBRA 1

1 Math credit

Prerequisite: Freshman or Sophomore standing

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.

118201 & 118202 (Year-long)

**Honors Geometry**

Grades: 9-10 +GEOMETRY

1 Math credit

Prerequisite: Department approval

The content of this course is traditional high school Euclidean geometry. The focus is on the 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 problem solving is also emphasized. A weighted grade is given.

117201 & 117202 (Year-long)

**Geometry A**

Grades: 9-12 GEOMETRY A

1 Math credit

Prerequisite: Algebra 1

The content of this course is a traditional high school Euclidean geometry course with emphasis on formal geometric proof. Geometric properties and concepts in both the plane and 3-dimensional spaces are covered. The course also integrates previously taught algebraic skills through applications to geometric concepts.

116201 & 116202 (Year-long)

\*not an NCAA "core course"

**Geometry B**

Grades: 10-12 GEOMETRY B

1 Math credit

Prerequisite: Completion of Algebra program

This course covers the traditional high school Euclidean geometry course with an introduction to geometric proof. The emphasis of the course is on geometric relationships of figures, visualization of geometric properties, and measurement. The course also integrates previously taught algebraic skills through application to geometric concepts. The course covers traditional geometric content and is listed in the college board strand, but is not recommended to be taken by students planning to major in mathematics or science.

117301 & 117302 (Year-long)

**Algebra 2**

Grades: 11-12 ALGEBRA 2

1 Math credit

Prerequisite: Geometry

This course reviews fundamental concepts and skills of high school algebra and applies them to typical topics of second year algebra. The content stresses manipulation of algebraic expressions, solution of algebraic statements, and classification of algebraic relations and functions. This course is listed in the college-bound strand, but should not be taken by students planning to major in mathematics or science.

117401 & 117402 (Year-long)

**Algebra 2 with Trigonometry**

Grades: 10-12 ALG2/TRIG

1 Math credit

Prerequisite: Geometry A or department approval

The content of this course is that of a second year Algebra with a study of trigonometry. The course reviews concepts and skills of Algebra and applies them to more complex algebraic expressions and relations. The course emphasizes classification and properties of the various algebraic relations and functions. Purchase of a graphing calculator is strongly recommended for this class.

118401 & 118402 (Year-long)

**Honors Algebra 2 with Trigonometry**

Grades: 10-11 +ALG2/TRIG

1 Math credit

Prerequisite: Honors Geometry or department approval

This course is designed for highly mathematically capable students. The course covers second year algebra topics and trigonometry. The focus is on the analysis and understanding of mathematical relations and functions. Purchase of a graphing calculator is strongly recommended. A weighted grade is given.

117501 & 117502 (Year-long)

**College Preparatory Math**

Grade: 12 COL PREP MTH

1 Math credit

Prerequisite: Algebra 2 or department approval

This course is designed to improve the critical thinking and problem solving skills of students who desire additional preparation for college level mathematics. This course will include the study of statistics with data analysis and probability, applied topics such as elementary and advanced trigonometry, exponential and logarithmic functions, and sequences and series. This course also reviews fundamental concepts and skills of high school mathematics in order to prepare the students for ACT tests and college placement exams.

117701 & 117702 (Year-long)

**Pre-Calculus**

Grades: 11-12 PRE CALCULUS

1 Math credit

Prerequisite: Algebra 2 with Trigonometry

This course is designed to prepare students for a calculus course. Students will describe, analyze, and graph basic algebraic and transcendental functions. Students will also study sequences, series, probability, conic sections, and will be introduced to the concept of limits.

118701 & 118702 (Year-long)

**Honors Pre-Calculus**

Grades: 11-12 +PRE CAL

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.

117921 & 117922 (Year-long)

**Finite Mathematics**

Grades: 11-12 FINITE MATH

1 Math credit

Prerequisite: Algebra 2 with Trigonometry

This course is intended to give a solid foundation in the non-calculus portions of mathematics. The finite mathematics topics covered have broad applications in business, biological sciences, psychology, sociology, chemistry, engineering, and political science.

The mathematical content includes matrices and their application to linear programming, logic, mathematics of finance, as well as elementary probability and statistics.

119801 & 119802 (Year-long)

**AP Calculus AB**

Grade: 12 +AP CALC AB

1 Math credit

Prerequisite: Pre-Calculus or 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 +AP CALC BC

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**

Grade: 12 +AP STATS

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.

# 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 is left to the discretion of the student. Parkway School District aligns its curriculum to these requirements and each student is required to have a core experience in science which includes a semester introduction to the chemical sciences, a semester introduction to physics, and two semesters of life science. 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 (i.e., Anatomy & Physiology, Astronomy & Meteorology, Environmental Science, or Geology). Alternatively, the third year could also be two semesters of electives. 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 required years described here. When considering elective classes we recommend the third semester of biology and a year each of chemistry and physics before considering additional electives. Note that many colleges and universities expect a student to be maximally prepared in the sciences and hence to have taken a full four years of science in high school.

## Options for Science Curriculum

Each student is required to have three science credits to graduate. There are three basic paths through the science curriculum. The first path (Path A) is for those having significant difficulty in math and science and is appropriate for students intending to enroll in a community college or technical program 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 with plans for majoring in science, or those students who seek admission to selective colleges/universities. Students planning on majoring in science or attending a more select college should consider taking AP science classes. All three paths will satisfy both Missouri and Parkway science graduation requirements.

Grade Level	Path A*	Path B	Path C	AP Courses	Electives
9 <sup>th</sup> Grade	Chemical & Physical Systems	<ul style="list-style-type: none"> <li>• Matter &amp; Change</li> <li>• Forces &amp; Motion</li> </ul>	<ul style="list-style-type: none"> <li>• Honors Cells &amp; Variation</li> <li>• Honors Evolution &amp; Ecology</li> </ul>		
10 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>• Foundations Biology 1: Cells &amp; Variation</li> <li>AND</li> <li>• Foundations Biology 2: Evolution &amp; Ecology</li> </ul>	<ul style="list-style-type: none"> <li>• Biology 1: Cells &amp; Variation</li> <li>• Biology 2: Evol &amp; Ecology</li> </ul>	<ul style="list-style-type: none"> <li>• Honors Matter &amp; Change</li> <li>• Honors Forces &amp; Motion</li> <li>OR</li> <li>• Honors Chemistry (1 yr)</li> </ul>		
11 <sup>th</sup> Grade	<ul style="list-style-type: none"> <li>• Concepts of Chemistry</li> <li>OR</li> <li>• Concepts of Physics</li> </ul>	<ul style="list-style-type: none"> <li>• Chemistry (1 yr)</li> <li>OR</li> <li>• Concepts of Chemistry (1 yr)</li> </ul>	<ul style="list-style-type: none"> <li>• Honors Chemistry (1 yr)</li> <li>OR</li> <li>• Honors Physics (1 yr)</li> </ul>	<ul style="list-style-type: none"> <li>• AP Biology (1yr)</li> <li>• AP Environmental Science (1yr)</li> <li>• AP Chemistry (1yr)</li> <li>• AP Physics (1yr)</li> </ul>	<ul style="list-style-type: none"> <li>• Biotechnology and Systems</li> <li>• Anatomy &amp; Physiology</li> <li>• Astronomy &amp; Meteorology</li> <li>• Environmental Science</li> <li>• Geology</li> <li>• Organic Chemistry</li> </ul>
12 <sup>th</sup> Grade		<ul style="list-style-type: none"> <li>• Physics (1 yr)</li> <li>OR</li> <li>• Concepts of Physics (1 yr)</li> </ul>	Honors Physics (1 yr)		

*\*Note: Path A does not satisfy requirements of the NCAA Clearinghouse*

137350 (Meets daily for 1 semester)

**Chemical and Physical Systems**

Grade: 9 CHEM PHY SYS

1 Science Credit

Prerequisite: Department approval

This class is designed for those students who have previously struggled with math and/or science. This class will meet daily, allowing students to earn one full credit for successful completion of this semester course. Strategies will be implemented to facilitate organizational skills, as well as increase conceptual understanding through a variety of lab-based activities. Students will be assessed more frequently over shorter units of instruction. It is believed that this approach will assist those students who have difficulty integrating larger amounts of information and enhance student learning. The curriculum will include fundamental concepts of both physics and chemistry.

137210

**Matter and Change**

Grade: 9 CHEM: MATTER

½ Science credit

Prerequisite: Recommended B 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 +CHEM: MATTER

½ Science credit

Prerequisite: Algebra 1 and 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.

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**

Grade: 9 PHYSICS: FORC

½ Science credit

Prerequisite: One semester of Algebra 1 with a C or better, or department 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 One-Dimension**

Grade: 9 + PHYSICS: (FOR)

½ Science credit

Prerequisite: Algebra 1 and department 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.

136140

\*not an NCAA "core course"

**Foundations of Biology 1: Cells and Variation**

Grades: 9-12 FND BIO 1

½ Science credit

Prerequisite: None

This introductory semester course is designed for the students who have had difficulty with prior courses in science. 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, 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.

136150 \*not an NCAA "core course"

**Foundations of Biology 2: Evolution and Ecology**

Grades: 9 – 12 FND BIO 2

½ Science credit

Prerequisite: Foundations of Biology I: Cells and Variation

This semester course is designed for students who have had difficulty with prior courses in science. This course has a theme: How is Life Interrelated? Students will explore the unity and diversity of life through the study of evolution by natural selection. The structure of DNA and protein synthesis will be introduced. 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.

137140

**Biology 1: Cells and Variation**

Grades: 9 – 10 BIO 1 CELLS

½ Science credit

Prerequisite: Freshman or Sophomore standing

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 +BIO 1 CELLS

½ Science Credit

Prerequisite: Recommended B in Algebra 1 or department approval

This is the initial course in a sequence of biology courses that together will provide a college preparatory experience in the life sciences. This course has the theme: What is the basis of life and how does it vary? Students will conduct controlled experiments using the experimental design process. They will study biochemistry, prokaryotic and eukaryotic cells and cell environment, aspects of cell division, Mendelian genetics, meiosis, and the unity and diversity of life. 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 BIO 2 EVOL

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 +BIO 2 EVOL

½ Science credit

Prerequisite: Honors Biology 1: Cells and Variation or department 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 BIO 3 TECH

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

138160

**Honors Biology 3: Biotechnology and Systems**

Grades: 10-12 +BIO 3 TECH

½ Science credit

Prerequisite: Honors Biology 2: Evolution and Ecology, Honors Matter and Change or department 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 CON CHEM

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 CHEMISTRY

1 Science credit

Prerequisite(s): Matter & Change and Algebra 1 with a recommended C or above, 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, periodicity, bonding, nomenclature, chemical reactions, stoichiometry, gas laws and physical states, thermochemistry, and solutions. Additional topics may include kinetics and equilibrium, acids and bases, nuclear science and energy, and an introduction to organic chemistry. Group interaction, discussion, and cooperation during laboratory practice and mathematical problem-solving sessions will be commonplace. Open-ended lab experiences requiring student collaboration and multiple-step problem solving execution will be frequent.

138201 & 138202 (Year-long)

**Honors Chemistry**

Grades: 10-12 +CHEM

1 Science credit

Prerequisite: Honors Matter and Change 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, 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.

136301& 136302 (Year-long) \*not an NCAA "core course"

**Concepts of Physics**

Grades: 10-12 CON PHYS

1 Science credit

Prerequisite: Successful completion of 2 semesters of physical science

This course is designed for students who wish to learn more about science but have not developed the mathematical skills necessary for physics. Mathematics will be kept at an algebraic level. This course is a practical approach to physics that looks at the concepts of motion, electricity, magnetism, light, sound and the atom. These concepts are studied through descriptions, examples, laboratory activities and lectures. The course will involve both individual and group work and will provide the student with the practical physics necessary to deal with our technological society.

137301 & 137302 (Year-long)

**Physics**

Grades: 11-12 PHYSICS

1 Science credit

Prerequisite: Forces and Motion in 1D (recommended grade of C or better), Algebra 2 with Trigonometry, 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, mechanical waves, light and optics, and electricity. Additional topics may include rotational motion, GPS, fluid mechanics, thermodynamics, nuclear physics, material science, and magnetism.

138301 & 138302 (Year-long)

**Honors Physics**

Grades: 11 - 12 +PHYSICS

1 Science credit

Prerequisite(s): Honors Forces and Motion, Honors Algebra 2 with Trigonometry

Physics is essential for a well-rounded science background. This course prepares students for a collegiate education, especially for those interested in a career in science. This course is designed to challenge the top ten percent of students. It is more intensive and requires more critical thinking than Physics. A more proficient level of math is required to fit the accelerated nature and the greater depth of this course. Students will investigate the following units: forces, motion in two-dimensions, energy and momentum, mechanical waves, light and optics, and electricity. Additional topics will be covered and may include rotational motion, GPS, fluid mechanics, thermodynamics, nuclear physics, material science, and magnetism. A weighted grade is given.

137460

**Human Anatomy and Physiology (Honors Option)**

Grades: 11-12 HUMAN ANATOM

½ Science credit

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

This course will examine, through lecture, dissection, and group work, the major human systems that support, move, maintain, and control the body. A medical vocabulary will be taught. This class will be beneficial for anyone planning a career in the medical field and will be of interest to anyone who wants to learn more about the human body. Optional opportunities of human cadaver viewing will be provided in conjunction with Washington University Medical School. A medical career open house at Washington University Medical School will also be an option. An honors grade may be earned on completion of the honors option requirements.

137430

**Organic Chemistry**

Grades: 11-12 ORGANIC CHEM

½ Science credit

Prerequisite: Chemistry, Honors Chemistry or permission of instructor

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 GEOLOGY

½ Science credit

Prerequisite: Earned 2 credits of science or department approval

Geology is a broad survey of topics including the study of earth materials, the sculpting of the Earth's surface, the effect of internal forces on forming and reforming the Earth's crust and the present day evidence about the Earth's history. Areas of study will include glaciations, fossils, volcanic activity, plate tectonics, mountains, and land and soil formation. The instructional methods used in the class are lecture, technology integration, demonstrations, experimentation, projects, investigations and outdoor study.

137500

**Environmental Science**

Grades: 11-12 ENVIRON SCI

½ Science credit

Prerequisite: Successful completion of one year of Biology

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

137550

**Astronomy and Meteorology**

Grades 11-12 ASTRO/METEOR

½ Science credit

Prerequisites: Successful completion of four semesters of science

This course is designed for students interested in the evolution of our solar system and factors that influence our weather. Topics in astronomy include evolution of our solar system, star birth, star death, galaxies, supernovas, quasars, black holes, satellites, space exploration, and our own planet. Computer and video programs will be utilized. Topics in meteorology include structure of the atmosphere, cloud formation, causes and patterns of precipitation, winds, humidity, atmospheric pressure, severe weather, and environmental problems such as global warming and acid rain. Methods of instruction include class discussion, videos, computer programs, group/individual research and projects.

137910

**Science Seminar**

Grades: 11-12 SCISEMINAR

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 LAB ASST

½ Elective credit

Prerequisite: B average in Science 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 +AP BIOLOGY

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 +AP CHEM

1 Science credit

Prerequisite: Chemistry, Honors Chemistry or department approval

This course is designed to include concepts normally encountered in a first year college chemistry course. The theoretical aspects of chemistry will be emphasized with specific attention to such topics as structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, basic concepts of thermo-dynamics, reaction kinetics, acids bases and salts, oxidation reduction reactions, and other selected topics. Wherever possible, the study of these topics is supported by laboratory investigation. This course prepares students to take the College Board Advanced Placement Chemistry examination. A weighted grade is given.

139311 & 139312 (Year-long)

**AP Physics B**

Grades: 12 +AP PHYS B

Credit: 1 Electives credit

Prerequisite: Honors Physics and Pre-Calculus

This course culminates the study of trigonometry-based physics, and is a college level equivalent to General Physics. This course prepares students to take the College Board Advanced Placement Physics examination. Instructional methods include lecture, discussion, demonstration, literature research, and laboratories. This course will provide maximum preparation for college physics. A weighted grade is given.

139321 (linked as year-long course with 139332)

**AP Physics C: Mechanics**

Grades: 11-12 +AP PHYS C:M

½ Science credit

Prerequisite: Honors Physics and concurrent enrollment in Calculus

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

139332 (linked as year-long course with 139321)

**AP Physics C: Electricity and Magnetism**

Grades: 11-12 +APPHYS C: E&M

½ Science credit

Prerequisite: Honors Physics and concurrent enrollment in 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.

139501 & 139502

**AP Environmental Science**

Grades: 11 - 12 +AP ENV SCI

1 Science Credit

Prerequisite: 1 credit Biology, 1 credit 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)  
 Honors Modern United States History (two semesters)

## Grade 10

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

**Other Social Studies courses** (These courses can be taken in 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade)

- History of the American West
- History of St. Louis
- African American History & Literature

## Grade 11 or 12

To fulfill the current graduation requirement in Social Studies beyond 10<sup>th</sup> grade, the student must earn one Social Studies credit (two semesters):

**Government** (required – one semester)

**Other Social Studies courses** (required – one semester; see below for list of options)

The other ½ credit (one semester) may be fulfilled by selecting any course from the Additional Social Studies Offerings:

<b>Additional Social Studies Offerings</b>		
<b>American Studies</b>	<b>World Studies</b>	<b>Behavioral Studies</b>
*AP United States History Crime and the Law History of St. Louis Gender, Time and Place History of the American West Colonial America (Honors) African American History & Literature *AP Government Media in America Contemporary Issues	Modern Warfare *AP European History *AP World History Ancient Civilizations Economics (Honors)	Ecology Psychology *AP Psychology Anthropology Sociology Philosophy and Ethics

\*An Advanced Placement Test in European History, United States History, World History, Government, 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.

157001 & 157002 (Year-long)  
**Modern United States History**  
Grade: 9 MOD US HIST  
1 Social Studies credit  
Prerequisite: None

Ninth-grade Modern United States History is the final course in a rigorous three-year program of United States history. Modern U.S. History includes the study of domestic and foreign events that brought the United States to world power in the 1900s, the world wars, and the changing role of the United States in the modern post-war era. Students will participate in a service project connected to United States history to practice the skills of citizenship.

158001 & 158002 (Year-long)  
**Modern United States History (Honors)**  
Grade: 9 +MOD US HIST  
1 Social Studies credit  
Prerequisite: Department approval

A study of United States history spanning three grade levels and concluding with the ninth-grade course, Modern United States History- Honors. Honors Modern United States History includes the study of domestic and foreign events that brought the United States to world power in the 1900's, the world wars, and the changing role of the United States in the modern post-war era. Students will explore in-depth the content of Modern U.S. History through especially challenging textual, supplemental, and current materials. A weighted grade is given.

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

157011 & 157012 (Year-long)  
**World History: The Modern Era**  
Grade: 10 WORLD HIST  
1 Social Studies credit  
Prerequisite: None

This course is the continuation of a two year study of world history. 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.

The course includes comparisons of past and present events as well as comparisons of western and non-western development in order that the students develop an understanding of the political, social, geographic and economic status of several nations in the world today. Students will participate in a service learning project with a global focus to practice responsible citizenship in an interconnected world.

157100  
**United States Government**  
Grades: 11-12 GOVERNMENT  
½ Social Studies credit  
Prerequisite: Junior or Senior standing

Parkway students will complete their education of government and politics with this semester length course that allows for close examination of federal and state systems of organization. This capstone course allows students the opportunity to answer key questions concerning the United States' social, political, and economic systems and their role as citizens. Students will demonstrate their development as a citizen by participation in a student designed service project or a teacher led service learning opportunity.

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; these tests are administered during this course. The course also includes the End of Course Assessment required by the state of Missouri.

157350  
**History of St. Louis**  
Grades: 11-12 HIS ST LOUIS  
½ Social Studies credit  
Prerequisite: Junior or Senior standing, successful completion of Modern American History or department approval.

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 HIST AM WEST

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 MEDIA&AMER

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.

157570

**African-American History and Literature**

Grades: 10-12 AF/AM HIS/LT

½ Social Studies credit

Prerequisite: Successful completion of English I and Modern American 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 study of African origins and diasporas, slavery and reconstruction, and African-Americans in the 20th century. A variety of literary pieces and historical texts from diverse authors and time periods serve as the foundation of study in the course. Students will develop high level skills in literary and historical reading, writing, and analysis.

157590

**Ancient Civilizations**

Grades: 11-12 ANCIENT CIV

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 CRIME & LAW

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 CONTMP ISSUE

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.

157770

**Ecology**

Grades: 11-12 ECOLOGY

½ Social Studies credit

Prerequisite: Junior or Senior standing

This interdisciplinary course combines the Science and Social Studies areas. Two teachers (one Science and one Social Studies) will work with a group of students in examining the environment issues in our country and the world. Units of study include such issues as wildlife preservation, air and water pollution, land use, population and the energy crisis.

157780

**Anthropology**

Grades: 11-12 ANTHROPOLOGY

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 SOCIOLOGY

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

157800

**Psychology**

Grades: 11-12 PSYCHOLOGY

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.

157830

**Modern Warfare**

Grades: 11-12 MDRN WARFARE

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**

Grade(s): 11 – 12 PHILOS & ETHICS

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 GNDR TM&PLC

½ Social Studies credit

Prerequisite: Junior or Senior standing

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

158700

**Economics (Honors)**

Grades: 11-12 + ECON

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.

159111 & 159112 (Year-long)

**AP US Government and Comparative Politics**

Grades: 11-12 +AP GOV/COMP

1 Social Studies credit

Prerequisite: Junior or Senior standing

This course is designed to challenge students who are interested in government and who are capable of demanding advanced work. In the first semester, this course studies the history, institutions, branches, functions, electoral processes, and citizens' role of 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 (e.g., community service) as well as a study of the principles and provisions of the Missouri and the United States Constitutions. The Constitution examination(s) and the course must be passed according to Missouri law in order for a student to receive a graduation certificate. The course includes the End of Course Assessment required by the state of Missouri. Students will be prepared for the AP Government examination.

In the second semester, the government of the United States is compared with the government of other industrialized democracies as well as the political systems of Communist states and developing countries. A weighted grade is given.

This course is specifically designed for students who will take the Advanced Placement examination in U.S. Government and Politics and Comparative Politics.

159301 & 159302 (Year-long)

**AP United States History**

Grades: 11-12 +AP US HST

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 is specifically designed for students who will 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.

159011 & 159012 (Year-long)

**AP World History**

Grades: 10 – 12 +AP WRLD HIS

1 Social Studies credit

Prerequisite: Sophomore, Junior or Senior standing

AP World History works to develop a greater understanding of the evolution of global processes and contacts including interactions over time. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies.

The course will flow chronologically while examining five major historical themes. The course prepares students to take the AP World History exam. A weighted grade is given.

159501 & 159502 (Year-long)

**AP European History**

Grades: 11-12 +AP MD EURHS

1 Social Studies credit

Prerequisite: 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 a 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. Taking the AP exam will be optional. However, the function of the class is to prepare students to take the examination in the spring. A weighted grade is given.

159801 & 159802 (Year-long)

**AP Psychology**

Grades: 11-12 +AP PSYCHOLO

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 is designed to prepare students for the AP exam. A weighted grade is given.

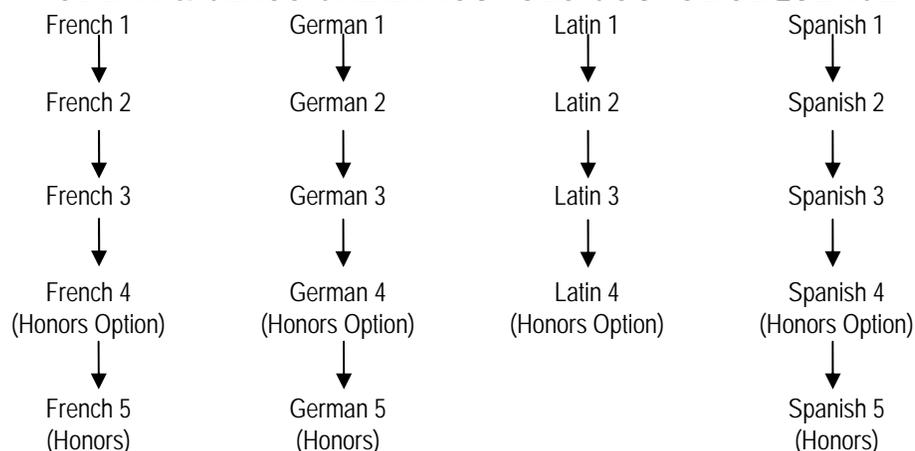
# MODERN & CLASSICAL LANGUAGES

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

067011 & 067012 (Year-long)

#### French 1

Grades: 9-12 FRENCH 1

1 Electives credit

Prerequisite: None

This course is designed for students with no background knowledge in the target language and who wish to develop skills in understanding, speaking, reading, and writing in the target language. Emphasis will be on learning to communicate in the target language on topics of daily life, with frequent use of paired practice, small group work, and role plays. Students will be introduced to using the target 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 countries where the target language is spoken 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.

067021 & 067022 (Year-long)

#### French 2

Grades: 9-12 FRENCH 2

1 Electives credit

Prerequisite: French 1

This course is designed for students who can function in the target language at a very basic level and wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Emphasis will be on learning to communicate in the target language 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 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 countries where the target language is spoken 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.

067031 & 067032 (Year-long)

**French 3**

Grades: 10 -12 FRENCH 3

1 Electives credit

Prerequisite: French 2

In this course, students are guided to further expand and improve their communication skills in the target language so that they can understand and converse more freely and creatively than at previous levels. Again, students will use the new language for many different purposes, such as initiating, sustaining and concluding a conversation, recounting a series of events, giving descriptions, expressing agreement or disagreement, or getting out of situations that pose a problem. Readings are from many different sources, as are listening materials. Visuals include up-to-date films and videos. Students may earn college credit in Levels 3, 4, and 5.

067041 & 067042 (Year-long)

**French 4 (Honors Option)**

Grades: 11 -12 FRENCH 4

1 Electives 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, student who qualify may have the option of earning college credit. See department leader.

068051 & 068052 (Year-long)

**French 5 (Honors)**

Grade: 12 +FRENCH 5

1 Electives 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.

Students may earn college credit in Levels 3, 4, and 5. As an Honors course, a weighted grade is given for Level 5. Those wanting to earn AP credit may also choose to take the Advanced Placement Language Examination in the language.

**German**

067111 & 067112 (Year-long)

**German 1**

Grades: 9 -12 GERMAN 1

1 Electives credit

Prerequisite: None

This course is designed for students with no background knowledge in the target language and wish to develop skills in understanding, speaking, reading, and writing in the target language. Emphasis will be on learning to communicate in the target language on topics of daily life, with frequent use of paired practice, small group work, and role plays. Students will be introduced to using the target 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 countries where the target language is spoken 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.

067121 & 067122 (Year-long)

**German 2**

Grades: 9 -12 GERMAN 2

1 Electives credit

Prerequisite: German 1

This course is designed for students who can function in the target language at a very basic level and wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Emphasis will be on learning to communicate in the target language 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 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 countries where the target language is spoken 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.

067131 & 067132 (Year-long)

**German 3**

Grades: 10 -12 GERMAN 3

1 Electives credit

Prerequisite: German 2

In this course, students are guided to further expand and improve their communication skills in the target language so that they can understand and converse more freely and creatively than at previous levels. Again, students will use the new language for many different purposes, such as initiating, sustaining and concluding a conversation, recounting a series of events, giving descriptions, expressing agreement or disagreement, or getting out of situations that pose a problem. Readings are from many different sources, as are listening materials. Visuals include up-to-date films and videos. Students may earn college credit in Levels 3, 4, and 5.

067141 & 067142 (Year-long)

**German 4 (Honors Option)**

Grades: 11 -12 GERMAN 4

1 Electives 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, student who qualify may have the option of earning college credit. See department leader.

068151 & 068152 (Year-long)

**German 5 (Honors)**

Grade: 12 +GERMAN 5

1 Electives 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.

Students may earn college credit in Levels 3, 4, and 5. As an Honors course, a weighted grade is given for Level 5. Those wanting to earn AP credit may also choose to take the Advanced Placement Language Examination in the language.

**Latin**

067211 & 067212 (Year-long)

**Latin 1**

Grades: 9 -12 LATIN 1

1 Electives credit

Prerequisite: None

This is the first year of a four or five-year program in the Cambridge Latin Course, which emphasizes the development of reading skills, along with the culture of the Romans. Students will read Latin from the very first, learning about the Romans in general, particularly the daily life of a family in Pompeii. Throughout the year, students will build their skills in essential vocabulary in Latin and English as well as grammar while they study the entertainment, education, politics, and religion of people in Italy, Britain, and Egypt in the first century A.D.

067221 & 067222 (Year-long)

**Latin 2**

Grades: 9 -12 LATIN 2

1 Electives credit

Prerequisite: Latin 1 or Latin A/B

In this course, students will further develop their reading skills and gain a greater command of vocabulary, derivatives, and grammar as they continue in the Cambridge series. The readings and cultural studies will be based on army life, commerce, religion, racial strife, and political scheming in the Roman provinces of Egypt and Britain.

067231 & 067232 (Year-long)

**Latin 3**

Grades: 10 -12 LATIN 3

1 Electives credit

Prerequisite: Latin 2

At this level, students will continue work in the Cambridge series. Students will begin to develop advanced reading skills as well as investigate the Roman military and physical structure, politics and intrigue of Rome, the heart of the Empire.

067241 & 067242 (Year-long)

**Latin 4 (Honors Option)**

Grades: 11-12 LATIN 4

1 Electives credit

Prerequisite: Latin 3

This course concludes the Cambridge storyline begun in Latin 1. Students will begin selected readings in Classical writers, 200 BC - 150 AD. Readings may include selections from Virgil, Cicero, Ovid, Pliny, Horace, Catullus, et al. Work will begin on the unique stylistic characteristics of an author, using methods of literary analysis, and incorporating historical context of the work. An Honors grade may be earned.

**Spanish**

067311 & 067312 (Year-long)

**Spanish 1**

Grades: 9 -12 SPANISH 1

1 Electives credit

Prerequisite: None

This course is designed for students with no background knowledge in the target language and who wish to develop skills in understanding, speaking, reading, and writing in the target language. Emphasis will be on learning to communicate in the target language on topics of daily life, with frequent use of paired practice, small group work, and role plays. Students will be introduced to using the target 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 countries where the target language is spoken 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.

067321 & 067322 (Year-long)

**Spanish 2**

Grades: 9 -12 SPANISH 2

1 Electives credit

Prerequisite: Spanish 1

This course is designed for students who can function in the target language at a very basic level and wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Emphasis will be on learning to communicate in the target language 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 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 countries where the target language is spoken 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.

067331 & 067332 (Year-long)

**Spanish 3**

Grades: 10 -12 SPANISH 3

1 Electives credit

Prerequisite: Spanish 2

In this course, students are guided to further expand and improve their communication skills in the target language so that they can understand and converse more freely and creatively than at previous levels. Again, students will use the new language for many different purposes, such as initiating, sustaining and concluding a conversation, recounting a series of events, giving descriptions, expressing agreement or disagreement, or getting out of situations that pose a problem. Readings are from many different sources, as are listening materials. Visuals include up-to-date films and videos. Students may earn college credit in Levels 3, 4, and 5.

067341 & 067342 (Year-long)

**Spanish 4 (Honors Option)**

Grades: 11 -12 SPANISH 4

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

068351 & 068352 (Year-long)

**Spanish 5 (Honors)**

Grade: 12 SPANISH 5

1 Electives 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.

Students may earn college credit in Levels 3, 4, and 5. As an Honors course, a weighted grade is given for Level 5. Those wanting to earn AP credit may also choose to take the Advanced Placement Language Examination in the language.

# 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, 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>APPRECIATION</i>	<i>CAREER INTEREST</i>
<b><u>Introductory</u></b>	Design Arts Drawing Digital Design	Drawing (recommended) Design Arts Digital Design
<b><u>Intermediate Courses</u></b>	Drawing 2 Ceramics Sculpture Photo Painting Digital Design 2	Drawing 2 (recommended) Painting Ceramics Sculpture Photo Digital Design 2
<b><u>Advanced Courses</u></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) Advanced 3-D Studies

027000

**Design Arts**

Grades: 9-12

DESIGN ARTS

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

DRAWING

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 DRAWING 2

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 CERAMICS

½ Fine Arts credit

Prerequisite: Design Arts, Drawing, Digital Design or permission of instructor

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

027220

**Ceramics 2**

Grades: 10-12 CERAMICS 2

½ Fine Arts credit

Prerequisite: Grade of A or B in 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.

027240

**Sculpture**

Grades: 9-12 SCULPTURE

½ Fine Arts credit

Prerequisite: Drawing, Ceramics or permission of instructor

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.

027250

**Advanced 3-D Studies**

Grades 10-12 ADV 3D STD

½ Fine Arts credit

Prerequisite: Sculpture or Ceramics 2

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

027300

**Photography**

Grades: 10-12 PHOTO

½ Fine Arts credit

Prerequisite: Design Arts, Drawing or Digital Design

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 PHOTO 2

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 PHOTO 3

½ Fine Arts credit

Prerequisite: Photography, 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            PAINTING

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            DIGITAL DES

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            DIGITAL DES2

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.

029560 (Must be taken with 029570)

**AP Art History 1: Pre-Historic to Early Renaissance**

Grades: 11-12            +AP ART HIS1

½ Fine Arts credit

Prerequisite: Junior or Senior standing

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 College Board Advanced Placement Art History courses are necessary to prepare students to take the Advanced Placement examination and best if taken sequentially. This course can be taken for three college hours of credit through University of Missouri-St. Louis. A weighted grade is given.

029570 (Must be taken with 029560)

**AP Art History 2: Renaissance to Contemporary**

Grades: 11-12            +AP ART HIS2

½ Fine Arts credit

Prerequisite: AP 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 courses are necessary to prepare students to take the College Board Advanced Placement examination and best if taken sequentially. This course can be taken for three college hours of credit through University of Missouri-St. Louis. A weighted grade is given.

029781 & 029782 (Year-long)

**AP Studio Art**

Grades: 11-12            +APSTDO ART

1 Fine Arts credit

Prerequisite: Drawing, Drawing 2, teacher recommendation and department approval.

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

# PERFORMING ARTS

## THEATRE ARTS SEQUENCE

<u>PRESENT CLASS</u>	<u>SUGGESTED CLASS</u>
Theatre Arts	Children's Theatre Actor's Studio 1 Shakespeare Alive! Improvisational Theatre Tech Theatre (by recommendation)
Actor's Studio 1	Children's Theatre Shakespeare Alive! Actor's Studio 2 Improvisational Theatre Studies in Musical Theatre Tech Theatre (by recommendation)
Actor's Studio 2	Children's Theatre Shakespeare Alive! Directing Improvisational Theatre Studies in Musical Theatre Tech Theatre (by recommendation)
Tech Theatre	Children's Theatre Improvisational Theatre Actor's Studio Actor's Studio 2
Children's Theatre	Shakespeare Alive! Improvisational Theatre Tech Theatre (by recommendation)
Directing	N/A

057720

**Theatre Arts**

Grades: 9-12

THEATRE ARTS

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 IMPROV THTRE

½ Fine Arts credit

Prerequisite: Theatre Arts or permission of instructor.

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      TECH THEATRE

½ Fine Arts credit

Prerequisite: Theatre Arts or permission of instructor

This course will survey major areas of technical theatre including elements of design/ construction of sets, set painting, properties, stage lighting, sound, costuming, make-up, business, house and theatre management. 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      CHILD THEA

½ Fine Arts credit

Prerequisite: Theatre Arts, previous theatre experience or permission of instructor

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.

057800

**Actor's Studio**

Grades: 10-12      ACTR STUDIO1

½ Fine Arts credit

Prerequisite: Theatre Arts or permission of instructor

The developing actor will be able to determine characterization, motivation, creative movement and staging through in-depth scene study. 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      ACTR STUDIO2

½ Fine Arts credit

Prerequisite: Theatre Arts, Actor's Studio or permission of instructor

This class is an exploration of characterization through different methods and styles of acting, using classical literature. Students will continue to analyze plays, and learn how to further analyze a character, through research and critical thinking.

Monologues will be used as the means to study characterization. Memorization and successful completion of Actors' Studio 1 is required. An Honors grade may be earned.

057820

**Directing (Honors Option)**

Grade: 12      DIRECTING

½ Fine Arts credit

Prerequisite: Theatre Arts, Actor's Studio 1 & 2 and Tech Theatre, or equivalent co-curricular technical experience, with permission of instructor

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

057830

**Shakespeare Alive!**

Grades: 10-12      SHAKE ALIVE

½ Fine Arts or Elective credit

Prerequisite: English 1 and Theatre Arts

This course is designed for the student interested in performing Shakespeare. The reading, analysis, and interpretations of literature are performance based. Students will also study the production aspects associated with Elizabethan Theatre. Memorization is required.

127730

**Studies in Musical Theatre**

Grades 9-12      STD MUS THR

½ Fine Arts credit

Prerequisite: Theatre Arts and permission of vocal and theatre instructors

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

# MUSIC

127001 & 127002

**Chorus**

Grades: 9-12            CHORUS

½ 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            CONC CHORALE

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            CHAMBR CHOIR

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            CON CHR MX

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            CON CHR TRB

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                    CON ORCH 1

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 CON ORCH 2

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 SYM ORCH

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

**Concert Band**

Grades: 9-12 CONCERT BAND

½ Fine Arts credit

Prerequisite: Previous instrumental experience and permission 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 JAZZ LAB

1 Fine Arts credit

Prerequisite: Member of concert unit and/or permission 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 SYM PERCUS

1 Fine Arts credit

Prerequisite: Previous instrumental experience and permission 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

**Marching Band**

Grades: 9-12 MRCHNG BAND

First quarter – 1/8 Fine Arts credit in addition to Symphonic Band credit

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

During the first quarter, the members of Wind Ensemble/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.

127571 & 127572 (Year-long)

**Symphonic Band 1 (Honors Option)**

Grades: 9-12 SYM BAND

1 Fine Arts credit

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

Symphonic Band 1 is designed for students who have a good level of performance, but wish to improve their musicianship through additional experience. Members of the Symphonic Band are automatically included in the Marching Band and will participate in an exciting and 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 increased and individual responsibility within their ensemble emphasized. Symphonic Band students are eligible to audition and participate with the orchestra, the jazz band and with various small ensembles. Attendance is required for all performances and special rehearsals, including a summer band camp. An Honors grade may be earned by juniors and seniors only.

127610

**Piano**

Grades: 9-12 PIANO

½ Fine Arts credit

Prerequisite: None

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

127620

**Piano 2**

Grades: 9-12 PIANO 2

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 may be required.

127630

**Guitar**

Grades: 9-12 GUITAR

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 GUITAR 2

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 MUSIC TH

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.

127730

**Studies In Musical Theatre**

Grades 9-12      STDY MUS THR  
 One semester – ½ Fine Arts credit

Studies in Musical Theatre will explore the related disciplines of music and drama using group and individual work to develop the skills of vocal and physical performance. This course will include instruction in stage terminology, vocal production, audition techniques, choreography, and scene composition. As both a singer and an actor, the student will learn to use the tools of characterization in order to effectively communicate the emotions of songs.

Students will participate in performances of musical theater scenes and must have background or skill in both vocal music and drama.

127760

**Music Designs**

Grades: 9-12      MUS DESIGNS  
 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. Listening and analytical skills are developed as students become familiar with music from a variety of historical periods, styles, and cultures.

## **BUSINESS EDUCATION**

### *Recommended Course Sequences for 2012-2013*

<b>Web Design &amp; Programming</b>	<b>Technology</b>	<b>MANAGEMENT/ Finance</b>	<b>Marketing</b>
Integrated Computer Literacy (9 -12)	Integrated Computer Literacy (9 -12)	Integrated Computer Literacy (9 -12)	Integrated Computer Literacy (9 -12)
Desktop Publishing (9 -12)	Microsoft Office Professional (9 -12)	Introduction To Business (9 -10)	Multimedia (9 -12)
Web Design 1 (9 -12)	Desktop Publishing (9 -12)	Accounting 1 (10 -12)	Desktop Publishing (9 -12)
Web Design 2 (9 -12)	Multimedia (9 -12)	Accounting 2 (11-12)	Marketing 1 (11-12)
Adobe Flash (10-12)	Multimedia 2 (10 -12)	Business Management (11-12)	Marketing 2 (12)
Multimedia (9 -12)	*Business Internship (12)	*Business Internship (12)	**Marketing Internship (12)
Intro to Computer Science (10-12)			
AP Computer Science A (11-12)			
*Business Internship (12)			

\*Students must be enrolled in Accounting 1, or Accounting 2 to participate in the Business Internship (12).

\*\*Students must be enrolled in Marketing 1 or Marketing 2 to participate in the Marketing Internship (12).

037010

**Integrated Computer Literacy**

Grades: 9-12 INT COMP LIT

1/2 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.

037270

**Microsoft Office**

Grades: 9-12 MS OFFICE

1/2 CTE credit

Prerequisite: It is recommended that students complete a keyboarding course, Integrated Computer Literacy (ICL) or obtain teacher recommendation.

Microsoft Office is a group of powerful software applications designed to work together. Students learn advanced instruction on Word (word processing), Excel (spreadsheet), PowerPoint (graphic presentation) and are introduced to Access (data management). Using features shared by the applications, students can quickly organize professional-looking documents and presentations. College credit is available for juniors and seniors through Missouri Baptist University.

037280

**Desktop Publishing**

Grades: 9-12 DESKTOP PUBL

1/2 CTE credit

Prerequisite: It is recommended that students complete a keyboarding course, Integrated Computer Literacy (ICL), 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 either Integrated Computer Literacy, 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 INT COMP SCI

1/2 CTE credit

Prerequisite: Sophomore, Junior or Senior standing

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 INTRO TO BUS

1/2 CTE credit

Prerequisite: Freshman or Sophomore standing

This course will provide a solid foundation in business principles which are immediately applicable to students lives. Through the use of interactive technology, simulations, presentations, and project management students are made aware of the integral role that they play in today's ever-changing global economy. The units presented are economics, entrepreneurship, owning and operating a business, marketing, international business, and business finance. 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 ACCOUNTING 1

1 CTE credit

Prerequisite: Sophomore, Junior or Senior standing

Sophomores and juniors are encouraged to take this course so they may elect to take Accounting 2. Students who plan to major in any field of business in college and who want to know more about managing their money should take this course. Students will learn to plan, summarize, analyze, and interpret financial information. They will also develop traits such as neatness, accuracy, perseverance, responsibility, logical thinking, and the ability to follow directions in solving problems. The study of accounting will prepare students for employment, assist them in keeping personal records, and form a basis for future experiences in finance. College credit is available through an articulation agreement with the St. Louis Community College District.

037121 & 037122 (Year-long)

**Accounting 2 (Honors Option)**

Grades: 11 – 12 ACCOUNTING 2

1 CTE credit

Prerequisite: Accounting 1

This second-year accounting course gives the student an opportunity to apply the basic principles learned in the first-year course to a variety of systems and methods commonly found in business. Some of these are cost accounting, departmentalized accounting, automated accounting, corporate accounting, and managerial accounting. Computers will be used in automated accounting and spreadsheet applications. Accounting II provides the foundation of skills and knowledge with which to confidently and competently enter the world of work or pursue advanced study in college. Students may register with Missouri Baptist University through this course and receive college credit. An honors grade may be earned, and students may also participate in the Business Internship Program.

037550

**Business Management**

Grades: 11 – 12 BUS MGT

1/2 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 WEB DESIGN 1

1/2 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 WEB DESIGN 2

1/2 CTE credit

Prerequisite: Web Design 1

A continuation of Web Design 1, Web Design 2 focuses on advanced techniques for communicating a message via the web. These techniques include vector animation, templates and forms, applying spry menus and other behaviors.

037590

**Multimedia**

Grades: 9 – 12 MULTIMEDIA

1/2 CTE credit

Prerequisite: It is recommended that students complete a keyboarding course, i.e., Integrated Computer Literacy (ICL)

This course provides the skills needed to create broadcast-quality video content. Students will learn audio and video digital editing techniques using Adobe Premiere. The students will learn a comprehensive set of tools to efficiently produce motion graphics and visual effects for film, video, multimedia and the web. As a final project, the student will create a multimedia project for an organization within the school. Students will use their writing, design, photography and audio/video skills to develop a concept, produce separate elements and, finally, assemble and complete their project.

037290

**Multimedia 2: Digital Production**

Grades: 9 - 12 MULTIMEDIA2

1/2 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.

037490

**Adobe Flash**

Grades: 10 – 12 ADOBE FLASH

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.

037711& 037712 (Year-long)

**Business Internship 1**

Grades: 11-12 BUS INTR 1

10 Work hours per week – 1/2 CTE credit per semester

20+ Work hours per week – 1 CTE credit per semester

Prerequisite: Enrollment in any Business class (excl. Keyboarding) and consent of Internship Coordinator. Minimum GPA of 2.0 required.

This program of instruction in business and office occupations combines classroom instruction with on-the-job experience. Students attend school each day and work an average of 15 hours (1 credit) or 20-plus hours (2 credits) per week. In addition to receiving school credit, students are paid an hourly wage by their employer. Examples of supervised work experience situations include: computer data entry, bank teller, receptionist, accounting clerk and administrative assistant.

037721& 037722 (Year-long)

**Business Internship 2**

Grades: 11-12 BUS INTR 2

10 Work hours per week – 1/2 CTE credit per semester

20+ Work hours per week – 1 CTE credit per semester

Prerequisite: Enrollment in any Business class (excl. Keyboarding) and consent of Internship Coordinator. Minimum GPA of 2.0 required.

This program of instruction in business and office occupations combines classroom instruction with on-the-job experience. Students attend school each day and work an average of 15 hours (1 credit) or 20-plus hours (2 credits) per week. In addition to receiving school credit, students are paid an hourly wage by their employer. Examples of supervised work experience situations include: computer data entry, bank teller, receptionist, accounting clerk and administrative assistant.

039321 & 039322

**AP Computer Science A**

Grades: 11 – 12 +AP COMP SCI

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 the College Board Advanced Placement Computer Science A examination. A weighted grade is given.

047751 & 047752 (Year-long)

**Marketing 1**

Grades: 10-12 MARKETING 1

1 CTE credit

Prerequisite: Sophomore, Junior or Senior standing

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 MARKETING 2

1 CTE credit

Prerequisite: Marketing 1 or consent of instructor

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.

047801 & 047802 (Year-long)

**Marketing Internship 1**

Grade: 11-12 MKT INTR 1

10 Work hours per week – 1/2 CTE credit per semester

20+ Work hours per week – 1 CTE credit per semester

Prerequisite: Enrollment in Marketing 1 or Marketing 2 and consent of Internship Coordinator. Minimum GPA of 2.0 required.

This senior course provides students with an opportunity to apply marketing concepts and skills in an industry-based setting. It is necessary for the student to be enrolled in Marketing and work an average of fifteen hours (1 CTE credit) or twenty-plus hours (2 CTE credits) per week. This course gives students a competitive edge as they acquire practical knowledge and skills useful in college and their chosen career field. Supervised employment in a related work environment will help protect the student's academic progress as they receive work experience.

047821 & 047822 (Year-long)

**Marketing Internship 2**

Grade: 11-12      MKT INTR 2

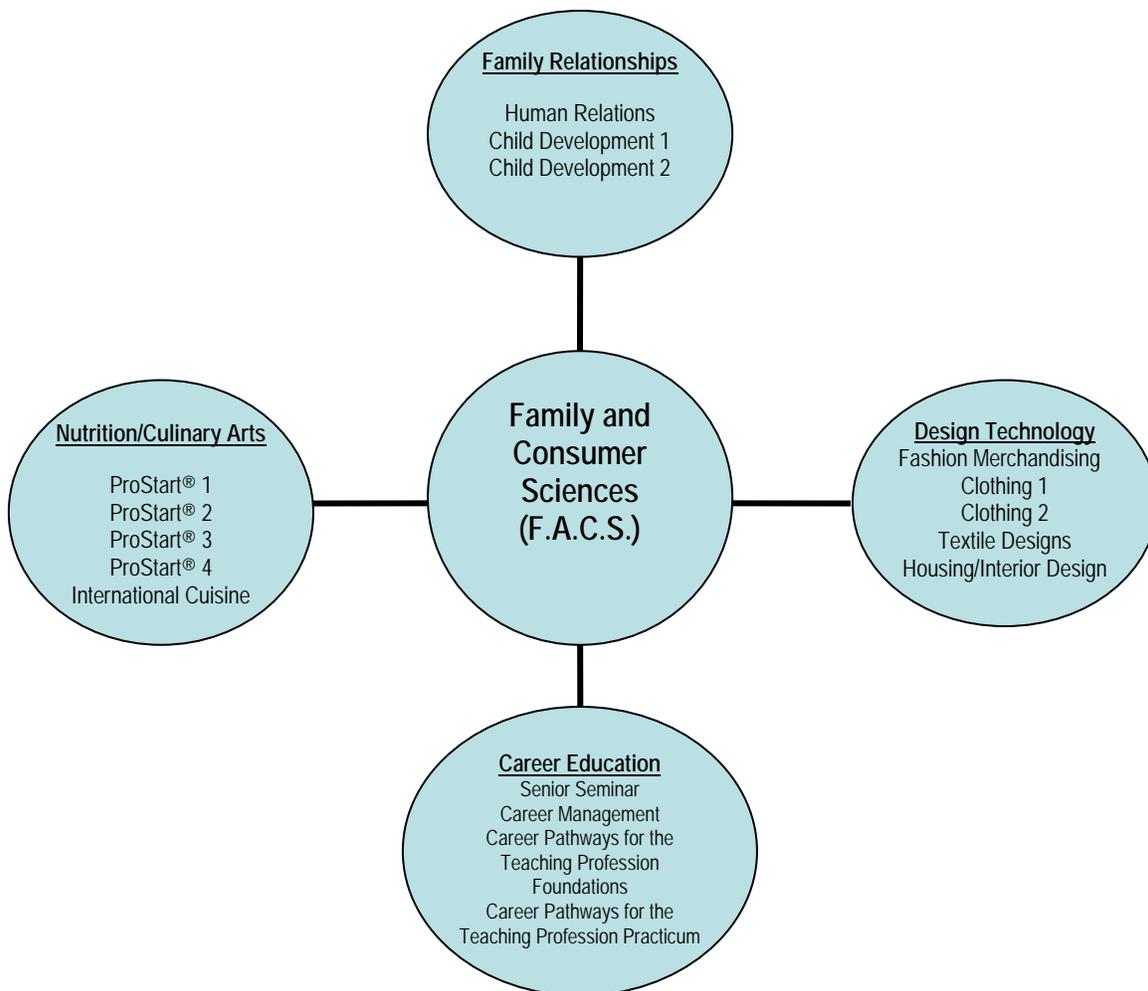
10 Work hours per week – 1/2 CTE credit per semester

20+ Work hours per week – 1 CTE credit per semester

Prerequisite: Enrollment in Marketing 1 or Marketing 2 and consent of Internship Coordinator. Minimum GPA of 2.0 required.

This senior course provides students with an opportunity to apply marketing concepts and skills in an industry-based setting. It is necessary for the student to be enrolled in Marketing and work an average of fifteen hours (1 CTE credit) or twenty-plus hours (2 CTE credits) per week. This course gives students a competitive edge as they acquire practical knowledge and skills useful in college and their chosen career field. Supervised employment in a related work environment will help protect the student's academic progress as they receive work experience.

## **FAMILY AND CONSUMER SCIENCES**



097010

**Culinary Arts 1/ProStart®**

Grades: 9 – 12 CUL ART 1/PRO

½ CTE credit

Prerequisite: None

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

097020

**Culinary Arts 2/ProStart®**

Grades: 10 – 12 CUL ART 2/PRO

½ CTE credit

Prerequisite: Culinary Arts 1/ProStart®

Culinary Arts 2/ProStart® is a course that will broaden or expand students' knowledge and skills acquired in Culinary Arts 1/ProStart. Topics include working with people and customer relations, salads and garnishes, fruits and vegetables, and applying business math to control food service costs. The ProStart® Program is a two-year industry-based program that prepares students for careers in the restaurant and foodservice industry.

097050

**Culinary Arts 3/ProStart®**

Grades: 10 - 12 CUL ART 3/PRO

½ CTE credit

Prerequisite: Culinary Arts 2/ProStart®

In Culinary Arts 3/ProStart®, students will continue to be trained for employment in the restaurant industry. The basic skills taught in previous classes will be reinforced. Students will learn additional skills in the preparation of potatoes and grains, desserts, and baked goods. The history of food service, the lodging industry, marketing and creating menus will be covered. Students will learn various serving styles and tableside service techniques.

097040

**Culinary Arts 4/ProStart®**

Grades: 10 - 12 CUL ART 4/PRO

½ CTE credit

Prerequisite: Culinary Arts 3/ProStart®

Culinary Arts 4/ProStart® is the final section of this program. In this phase students will learn food preparation in meats, poultry and seafood, stocks, soups and sauces. For the serious culinary student interested in a career in the restaurant industry, purchasing and inventory control and accounting practices will be introduced.

Effective communication with ones customer base and employees is essential to success in this career path. Tourism and the retail industry are introduced. With the completion of this four part course with a 3.0 GPA in culinary courses and successful completion of ServSafe certification college credit is available.

097110

**International Cuisine**

Grades 11 – 12 INTNL CUISN

½ CTE credit

Prerequisite: Culinary Arts 1/ProStart®

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 CLOTHING 1

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 CLOTHING 2

½ CTE credit

Prerequisite: Clothing 1

This class allows students to further develop their creativity and sewing skills learned in Clothing 1. Students will work with more difficult fabrics and complete advanced construction techniques. The student will be required to complete three projects. Students may need to purchase supplies for the course, based on project selection.

097250

**Fashion Merchandising**

Grades: 9 – 12 FASHION MERC

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 TEXTILE DESN

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, based on project selection.

097400

**Human Relations**

Grades: 9 – 12 HUM RELTNS 1

½ CTE credit

Prerequisite: None

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

097420

**Child Development 1**

Grades: 9 – 12 CHILD DEV 1

½ CTE credit

Prerequisite: None

This course prepares the student to work with children. The main units of study include becoming a child educator, prenatal development, childbirth, labor and delivery.

Students will learn about a child's growth and development during the newborn, infancy, toddler and preschool stages. Students will be given the opportunity to observe and interact with the preschooler through limited laboratory experiences. The unit on prenatal development will include reproduction, abstinence and contraception. Careers in the child development field will be discussed throughout the semester. Child Development 1 & 2 are available for three hours of free college credit through the St. Louis Community College articulation program for students who maintain an A or B in both courses.

097430

**Child Development 2**

Grades: 9 – 12 CHILD DEV 2

½ CTE credit

Prerequisite: Child Development 1

This second level course provides appreciation of child development principles. Included in this course is the observation of children as well as their physical, mental, emotional, and social growth and development. Students will be able to plan developmentally appropriate activities, observe, and interact with the preschool children at the Child Development Center. The many career opportunities related to children are also studied. Child Development 1 & 2 are available for three hours of free college credit through the St. Louis Community College articulation program for students who maintain an A or B in both courses.

097440

**Senior Seminar**

Grade(s): 12

½ CTE credit

Prerequisite: Senior standing

The overall focus of this class is the development of independent living skills. This is a comprehensive and practical course designed to meet the immediate needs of students as they prepare for adult relationships. Students will learn about consumerism and be able to manage money, buy and prepare food, select and care for clothing, purchase goods and services and make housing choices.

097460

**Career Management**

Grades: 11 – 12 CAREER MGT

½ CTE credit

Prerequisite: Junior or Senior standing

FOCUS ON YOUR FUTURE is the target of this course in career development. While it won't give you a quick answer to the nagging question, What will I do when I leave school? It will give you opportunities to investigate careers and provide a knowledge base from which to make your important career decisions. This class will include practical experiences such as aptitude tests, job and college applications, resumes, student portfolios, career speakers and job shadowing.

097550

**Housing and Interior Design**

Grades: 9 – 12 HS INT DSGN

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 (Must be taken with 097562)

**Career Pathways for the Teaching Profession Foundations**

Grade(s): 11 - 12

½ CTE credit

Prerequisite: Junior or Senior standing

The Career Pathways for the Teaching Profession program 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.

097562 (Must be taken with 097561)

**Career Pathways for the Teaching Profession Practicum**

Grade(s): 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 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.

**PERSONAL FINANCE**

037100

**Personal Finance**

Grades: 10 – 12 PERS FINANCE

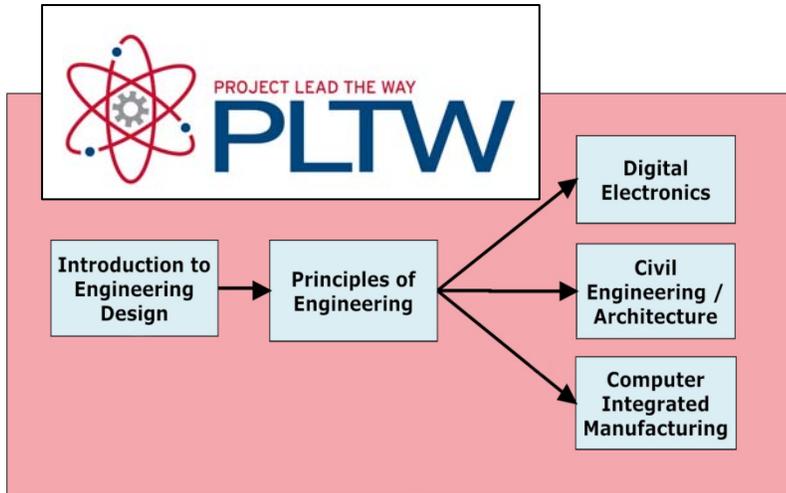
1/2 Personal Finance credit

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.

# TECHNOLOGY AND ENGINEERING

## 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.

\*\*\* All Pre-Engineering courses are eligible for 3 hours of college credit, based on the student's score on the End-of-Course exam. Students are required to have an 85% course average for the year, a 70% average on the End-of-Course exam, and maintain an engineer's journal. Please see instructors for more information.

108711 & 108712 (Year-long)

### Introduction to Engineering Design (Honors)

Grades: 9 – 12 INT ENG DSN

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 by obtaining an 85% average in the course over the course of the year, passing the national end of course exam with a 70% average or better, and creating and maintaining an engineering journal. The transcript will reflect the EXAM score only. A weighted grade is given for this course.

108751 & 108752 (Year-long)

### Principles of Engineering (Honors)

Grades: 10 – 12 PRIN OF ENG

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 by obtaining an 85% average in the course over the course of the year, passing the national end of course exam with a 70% average or better, and creating and maintaining an engineering journal. The transcript will reflect the EXAM score only. A weighted grade is given for this course.

108451 & 108452 (Year-long)

**Digital Electronics (Honors)**

Grades: 10 – 12 DIGITAL ELEC

1 CTE Credit

Prerequisite: Sophomore, Junior or Senior standing

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

This course covers several topics, including: analog and digital fundamentals, number systems and binary addition, logic gates and functions, Boolean algebra and circuit design, decoders, multiplexers and de-multiplexers. Students can receive 3 semester hours of transcribed college credit by obtaining an 85% average in the course over the course of the year, passing the national end of course exam with a 70% average or better, and creating and maintaining an engineering journal. The transcript will reflect the EXAM score only. A weighted grade is given for this course.

108201 & 108202 (Year-long)

**Civil Engineering & Architecture (Honors)**

Grades: 10 – 12 ARCH DRAFTNG

1 CTE credit

Prerequisite: Introduction to Engineering Design, Drafting or consent of instructor

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 by obtaining an 85% average in the course over the course of the year, passing the national end of course exam with a 70% average or better, and creating and maintaining an engineering journal. The transcript will reflect the EXAM score only. A weighted grade is given for this course.

108211 & 108212

**Computer Integrated Manufacturing (Honors)**

Grades: 10 – 12 +CIM

1 CTE Credit

Prerequisite: Robotics, any PLTW class or consent of instructor

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 by obtaining an 85% average in the course over the course of the year, passing the national end of course exam with a 70% average or better, and creating and maintaining an engineering journal. The transcript will reflect the EXAM score only. A weighted grade is given for this course.

## TECHNOLOGY EDUCATION



107070

**Drafting**

Grades: 9-12 DRAFTING

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.

107680

**Robotics Technology**

Grades: 9 – 12    ROBOTCS TECH

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.

107121

**Design and Technology 1**

Grades: 9 – 12    DESIGN TECH

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    DESGN TECH 2

½ CTE credit

Prerequisite: Design and Technology 1 or consent of instructor

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

107050

**Power, Energy, and Transportation Technology 1**

Grades: 9 – 12    PWR/EGY TEC 1

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    PWR/EGY TEC2

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.

107500

**Construction Technology**

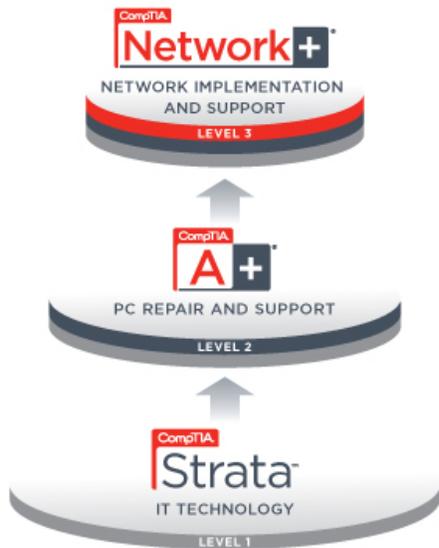
Grades: 9 – 12    CONSTR TECH

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.

# 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+, & Computer Science.

037411 & 037412 (Year-long)

## A+ Computer Maintenance Program

Grades: 10 – 12 A+ CMP MAINT

1 CTE credit

Prerequisite: 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

## 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.

# DRIVER'S EDUCATION

087350

## Traffic Safety and Driver Education

Grades: 9-12 DRIVER'S ED

½ Electives 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.

## HEALTH & PHYSICAL EDUCATION

### HEALTH AND WELLNESS

077100

#### Health Education

Grade: 10 HEALTH EDUC

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.

### PHYSICAL EDUCATION

#### 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 P.E. 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.

#### 9th Grade

\*Physical Fitness Concepts (prerequisite to all other P.E. courses)

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

Any of the following courses will satisfy ½ of the physical education credit or serve as electives:

Adventure Pursuits  
Aquatic Experiences/Scuba  
Competitive Sports & Games  
Lifetime & Recreational Sports

Lifeguard Training  
Strength & Conditioning  
Walking Fitness

087110

#### Physical Fitness Concepts

Grades: 9-10 PHYS FIT CON

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

087140

**Competitive Sports and Games**

Grades: 10-12 COMPSRTS/GMS

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 LT&REC SPTS

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 STRENGTH/CON

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 ADVNTR PRSTS

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 Fitness**

Grades: 10-12 WLKNG FTNES

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts

This course incorporates creative walking programs to improve student fitness levels and promote lifetime fitness. Various assessments will be used to develop students' understanding in regards to the importance of their overall fitness, with an emphasis on cardiovascular fitness. Correct methods of walking, aerobic walking, exercise principles, and health and nutrition concepts will be addressed.

087820

**Aquatic Experiences/SCUBA**

Grades: 10-12 AQTC EX/SCBA

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts, deep water swimming skills, and permission of instructor

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 LIFGRD TRNG

½ Phys Ed credit

Prerequisite: Physical Fitness Concepts

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

087950

**P.E. Mentor**

Grades: 10-12 PE MENTOR

1/2 Electives credit

Prerequisite: Physical Fitness Concepts and second required P.E. 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.

## **SPECIAL OFFERINGS**

813100

### **LEADERSHIP DEVELOPMENT 1**

Grades: 9-10 LEADERSHIP1

1/2 Electives credit

Prerequisite: Freshman or Sophomore standing

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 & Social Justice**

Grade: 12

½ Electives 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 develop students who are engaged and 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 caring way and reform structures in a way that leads to justice. The ultimate goal will be for students to connect 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 & Instruction**

Grade: 9

1 Electives 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 administer a baseline reading assessment, then assign 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 work closely with Algebra 1 and English 1 teachers to provide academic support for the students enrolled in these classes.

## 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: <http://www.pkwy.k12.mo.us/inside/curriculum/cte/Lev2.cfm?Lev2ID=504>

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

Marketing 2	Missouri State
Microsoft Office	Missouri Baptist
Accounting 1	St. Louis Community College
Accounting 2	St. Louis Community College & Missouri Baptist
Business Internship 1 & 2	St. Louis Community College
Child Development 1 & 2	St. Louis Community College
French 4 & 5	University of MO-St. Louis
Spanish 3, 4 & 5	University of MO-St. Louis
Masterpieces 1 & 2	University of MO-St. Louis
AP Lit & Comp	University of MO-St. Louis
AP Chemistry	University of MO-St. Louis
AP Calculus AB	University of MO-St. Louis
AP Art History 1 & 2	University of MO-St. Louis
Intro to Engineering Design	Rochester Institute of Technology
Principles of Engineering	Rochester Institute of Technology
Digital Electronics	Rochester Institute of Technology
Civil Engineering & Architecture	Rochester Institute of Technology
Computer Integrated Manufacturing	Rochester Institute of Technology

## 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 academic credit for your examinations.

For a brochure describing the Advanced Placement Program and for a statement of test fees, contact the Guidance department.

Advanced Placement Examinations are offered in the following subjects:

Art-History	English	History-World
Art-Studio	Environmental Science	Latin
Biology	French	Music Theory
Calculus	German	Physics
Chemistry	Government & Politics	Psychology
Computer Science	History-European	Spanish
Economics	History-U.S.	

## SPECIAL EDUCATION

In conjunction with the Parkway School District, the Special School District (SSD) of St. Louis County provides special education staff, services, and programs for Parkway students with disabilities. A student qualifies for special education and related services 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, necessary adaptations, and all other instructional 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.

## SPECIAL EDUCATION SERVICES

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

**Consultative Services:** Special education staff work with general educators to monitor student performance and to adapt and/or modify classroom instruction, curriculum, materials, and tests in order to address student needs.

**Direct Special Education Services In A Special Education Setting:** Special education staff provide direct instruction and/or other services in a special education classroom or other setting outside of the general education programs. This model is frequently used for either:

**"Learning Strategies:"** These courses follow specific curricula to teach studying, writing, note taking, outlining, test preparation, test taking, and other skills designed to meet students' individual goals. Students receive a grade (letter grade or pass/fail) and regular elective credit. Modified curriculum credit is awarded if a student repeats the same learning strategies curriculum in a subsequent semester.

**Individualized Instruction:** These IEP determined areas of instruction and support could include:

**"Learning Support:"** special education support in and the application of "Learning Strategies" skills to content area course work - elective modified curriculum credit is awarded for Learning Support classes (an asterisk [\*] appears on grade reports and the transcript to reflect this is not a standard Parkway content area course.)

**"Alternative..." (e.g., Alt. Math, Alt. Eng.):** direct instruction from a special education teacher in content areas (e.g., math, reading, writing, English, science) tailored to student needs – modified curriculum credit is awarded UNLESS the standard Parkway curriculum is taught (an asterisk [\*] appears on grade reports and the transcript to reflect modified curriculum.)

**"Individualized Instruction" (Ind. Instr.):** a curriculum which is individualized for a student by the IEP Team (for example, to address an IEP goal), does not relate to a specific content area or Parkway course, and/or is based on an alternative curriculum or materials or activities adapted by the special education teacher (does NOT mean 1-to-1 instruction) – elective modified curriculum credit is awarded.

**"Community Access" (Comm. Acc.):** special education supervised work or community experiences as determined by a student's IEP Team at specific work or community sites - may earn modified curriculum or regular elective credit.

**Direct Special Education Services In A General Education Setting:** Special education staff provide instructional support and/or other services in a general education classroom/setting. A frequently employed model for doing so is:

**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, grades, or classrooms. Availability will vary according to building needs and resources, as well as on student needs identified through the IEP process.

NOTE: Students may participate in general education classes but work on course requirements, objectives, and competencies that are significantly reduced and/or altered. The student will earn **modified curriculum credit** in such situations and usually receive a traditional grade. The student's record will document such modifications with an asterisk (\*). See below for additional information about modified curriculum and credit.

**Related Services:** Related services are to be provided to a student with a disability when such services "are required to assist a child with a disability to benefit from special education." Related services include, but are not limited to: social work, counseling, speech-language services, occupational therapy (OT), physical therapy (PT), and adaptive physical education (APE). The types and minutes/week of related services and the settings in which they are provided are determined by a student's IEP Team based on need.

## LEVELS OF SPECIAL EDUCATION SERVICE

A student's level of service is determined by the **total amount of time** he/she is **"inside the regular classroom"** (i.e., participating in general education settings/activities). Regardless of their level of service, some students with certain disability related needs may require specialized special education programs, services, and/or expertise which may be located only at certain Parkway schools. The levels of service (i.e., Missouri Department of Elementary and Secondary Education "special education placements") offered in Parkway schools are:

- "Students with disabilities who are inside the regular classroom for 80 percent or more of the school day. (These are children who receive special education and related services outside the regular classroom for less than 21 percent of the school day.)"
- "Students with disabilities who are inside the regular classroom between 40 and 79% of the day. (These are children who received special education and related services outside the regular classroom for at least 21 percent but no more than 60 percent of the school day.)"
- "Students with disabilities who are inside the regular classroom less than 40 percent of the day. (These are children who received special education and related services outside the regular classroom for more than 60 percent of the school day.)"

## EARNING CREDIT

The opportunity to participate in a Parkway content area classroom and earn credit and a standard high school diploma is available to all students, regardless of the nature and severity of their disabilities. With appropriate adaptations and support, most students are able to meet curriculum objectives, be graded on the same expectations as other students, and receive credit. Modified curricula/courses are intended for use when, despite adaptations and support, students are unable to achieve the minimal outcomes defined for each course and therefore require the essence of the Parkway course to be changed (modified) to accommodate their needs.

### Regular Credit:

A student may earn **regular credit when the essence of a Parkway course's content, curriculum, objectives and competencies is maintained**. This is true even when a student is in a general education classroom setting involving co-teaching, support from special education staff (i.e., teacher, interpreter, assistant), and/or adaptations to instruction, testing, or materials. When a student is in a special education setting, but is working on the traditional or established content, requirements, and competencies for an approved general education Parkway course, the student will be eligible for regular credit if his/her curriculum is the same as for other students taking that course.

Whether **regular or modified curriculum credit is earned is determined by the content and nature of the work** attempted by the student and NOT by who teaches the student (course) or in what setting (i.e., general or special education) the student spends a given period.

### Modified curriculum credit:

When the "essence" of a traditional, approved Parkway course has been changed (usually by significantly modifying the course content, objectives, and competencies), a student (with or without disabilities) will earn a **modified curriculum credit** rather than regular credit. Unless determined otherwise, the amount of credit earned will be the same as for regular credit and will count toward earning a Parkway diploma.

For students in Parkway general education classrooms and working on significantly modified content/competencies, Parkway instructors are able to give students appropriate grades and modified credits without compromising those for students working on traditional course work. Students will earn modified curriculum credit for content (e.g., math, English, science, history) related work in a special education setting where the content taught by the special education teacher is modified and based on individualized expectations. Students also will earn modified curriculum credit for "daily living," vocational, or other "alternative" curricula which are determined by the IEP Team and are not equivalent to a traditional, approved Parkway course. The content usually will be determined by the IEP Team and will be based on modified curricula or on an established, but alternative curriculum.

### Additional Information:

For students receiving special education services, their IEP Team must determine and document all adaptations and curricular modifications, individual graduation course work requirements, the type of credit that student is eligible to earn, and how grades will be determined when there are differences from how these are provided for students without disabilities. For students with Section 504 disabilities, the Individualized Accommodation Plan (IAP) Team must determine and document changes from what is comparable for students without disabilities. For students who do not have disabilities, the student's parent(s)/guardian(s) must agree to modifications and how the modification will be documented in the student's record.

Grades for students whose course/program is modified will be based on the same criteria used to grade other students. Therefore, **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 and performance) used by teachers to determine grades. The teacher(s) responsible for a student's primary instruction in a given area is to determine the student's grade. **Grading also may be modified by switching to a pass/fail criterion or determining that no grade will be given** (i.e., audit).

**Career grade point average (GPA)** will NOT be REPORTED on grade reports and transcripts and **class rankings** will NOT be COMPUTED when modified curriculum credit represent 20% or more of all high school courses taken/attempted by the student, regardless of whether they earned credit for the course(s) or not (per Parkway's "Administrative Guidelines for Diploma Requirements - Policy IKF"). Semester GPA's will be calculated and reported for all students, regardless of the percentage of modified curriculum credits. Modified curriculum credit course grades are averaged in the same manner as regular credit grades to compute grade point averages and determine eligibility for extracurricular activities. Eligibility for interscholastic activities is determined for students with disabilities in the same manner as for other students.

A student's transcript will document the prescribed and completed course of study and types of credits earned. When **modified curriculum credit** is earned, a **course title will include an asterisk (\*)** and, possibly, a different course number. The following notation will appear on Parkway transcripts: "\*\* or IEP = Modified Curriculum."

## SSD TECHNICAL HIGH SCHOOLS

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 course work completed in Parkway high schools and transferred in from a previously attended accredited high school. Parkway students completing their high school requirements on a part or full time basis at a Special School District of St. Louis County technical high school may be eligible to receive a Parkway diploma from the Parkway school within whose boundaries they reside, provided they have satisfied both State and Parkway requirements."

## OTHER HIGH SCHOOLS/PROGRAMS

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

"When a student with a disability is placed by his/her IEP Team in a SSD special education school, a private facility that does not offer a high school diploma (through SSD purchase of service), or another alternative educational setting (AES), the course work completed by the student in that setting is to be considered for credit. The amount and type of credit to be awarded for each course is to be determined on a case-by-case and course-by-course basis by the appropriate Parkway staff. All credits earned will apply toward a diploma.

When such students do not complete their individualized course of study at a Parkway high school, they will receive a "Parkway District Diploma" rather than a diploma from their previous high school. This provision, however, does not apply to those students who already have earned the normally required credits required for a diploma prior to placement outside their high school (see paragraph below). Students who do not complete at least three (3.0) credits in a Parkway high school will not be eligible to earn a diploma from the Parkway School District.

When a special education student 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., SSD Career Training program), the diploma is to be awarded after completion of all the student's prescribed programming."

## NORTH & SOUTH TECH PROGRAM DESCRIPTIONS

### **CAREER EXPLORATION (Sophomores Only)**

- Make the most of high school by exploring career areas you really enjoy
- Experience a full range of careers and see what fits best
- Discover how to use your unique talents and strengths

### **ARCHITECTURAL DESIGN & GEOSPATIAL ENGINEERING (NORTH ONLY)**

- Create architectural CAD designs and construct 3D models for residential and commercial structures
- Access advanced real-time satellite technology to create dynamic visual representations of critical geographic data
- Map your world with the same GPS and Geographic Information Systems as surveyors and engineers

### **AUTO BODY**

- Assess, estimate, repair, and replace the body and interior of vehicles
- Design, paint, and refinish vehicle surfaces using modern welding, sanding, masking, painting and creative airbrushing techniques
- Utilize the same advanced equipment and techniques found in professional auto collision repair companies

### **AUTOMOTIVE TECHNOLOGY**

- Diagnose, service, and repair a wide range of vehicles alongside an ASE certified Master Technician
- Utilize problem solving skills while working everyday in a modern automotive environment
- Use advanced diagnostic equipment to troubleshoot and repair complex automotive systems

### **BRICKLAYING & MASONRY (South Only)**

- Construct residential and commercial structures using a wide range of carpentry and masonry techniques
- Use the same equipment as professional masons to install brick, block, rock, and tile
- Operate a Bobcat and other industrial equipment

### **BROADCAST CAPTIONING & COURT REPORTING (South Only)**

- Caption live professional sports and entertainment TV broadcasts
- Be a courtroom insider while recording hearings, depositions, and trials
- Empower deaf and hearing impaired students using advanced captioning technology

### **BUSINESS & FINANCIAL MANAGEMENT (North Only)**

- Experience a wide range of accounting applications, business strategies, and simulations for sound financial management
- Create business plans from concept to implementation
- Utilize ethical standards, confidentiality, and professionalism when interacting with businesses

### **CARPENTRY**

- Work in all aspects of construction including estimating, framing, roofing, and interior finishing
- Interpret blueprints and specifications to construct wood products and structures from rough lumber to finish grade
- Operate a wide range of professional power tools and perform customer service for commercial and residential clients

### **CISCO NETWORKING ACADEMY**

- Design, install and troubleshoot complex computer network systems
- Build, upgrade, and repair computers and multi-media components
- Work in a professional help desk and network administration environment to meet client needs
- Honors class, weighted on a 5.0 scale.

### **CONSTRUCTION TRADES**

- Develop general skills in carpentry, masonry, plumbing, electricity, heating and cooling
- Construct a wide variety of projects from blueprint to completion
- Operate professional, industry grade hand and power tools

### **COSMETOLOGY**

- Evaluate, recommend, and create unique hair designs in a full-service interactive salon and spa environment
- Use creativity to provide a wide range of hair, nail and skincare services
- Work with a professional cosmetologist while developing your unique point of view

### **CULINARY ARTS**

- Work side by side with professional chefs to plan, prepare, and cater meals for upscale events and casual dining
- Create gourmet foods, cakes, and pastries with artistic presentation in a restaurant quality kitchen
- Design nutrition plans based on specific dietary needs

### **DENTAL SCIENCES**

- Perform X-rays, preventative practices, and emergency care using professional dental equipment
- Conduct mock exams in a modern operatory setting
- Execute laboratory procedures and evaluate results  
*Integrated Academic Credit: 1 Credit Science (Anatomy & Physiology)*

### **DIESEL TECHNOLOGY (North Only)**

- Analyze and repair complex electrical, hydraulic, and fuel systems for medium duty to semi-trucks and heavy construction equipment
- Troubleshoot, overhaul, and assemble diesel engines
- Use the same equipment and techniques as professional mechanics

### **EARLY CHILDHOOD EDUCATION**

- Have fun creating activities that engage young children based on effective preschool learning techniques
- Create, research, and provide children with developmentally appropriate learning material
- Teach side by side with professional educators in a community pre-school  
*Integrated Academic Credit: .5 Credit Health*

### **ELECTRICAL TRADES**

- Design, stage, and install commercial and residential electrical wiring for power control and telecommunications systems
- Use logical thinking and math to interpret blue prints, program equipment and lay out design
- Opportunity to participate in the Ameren UE mentoring program with employment potential

### **ELECTRONICS & ROBOTICS ENGINEERING (South Only)**

- Install, maintain, and troubleshoot complex electrical, electronic, mechanical, and robotic components used in manufacturing and industry
- Analyze how things work using the same modern equipment and techniques as electronics experts
- Design and program robots to compete in the FIRST Robotics Competition  
*Integrated Academic Credit: 1 Credit Physics*

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

- Experience the thrill of saving lives in real-world emergency situations
- Use advanced medical and diagnostic equipment to perform detailed trauma patient assessments
- Develop communication and critical thinking skills to interact with patients, first responders, firefighters, and law enforcement

### **FASHION DESIGN**

- Produce a full-scale fashion show including casting models, creating and fitting garments, and accessorizing for the runway
- Design, illustrate, and tailor garments using the equipment and techniques of top designers
- Research fashion history and emerging trends

### **FIREFIGHTING**

- Experience the thrill of saving lives and fighting fires
- Operate a wide range of firefighting and lifesaving equipment
- Develop your mind and body through rigorous mental and physical training

### **GRAPHIC PRODUCTION & PRINTING**

- Imagine, design, and produce a wide range of print materials for customers in the business community
- Use the same software, technology, and equipment as professional printing companies
- Cross-train and create products using Photoshop, Adobe Illustrator and InDesign

### **GRAPHIC DESIGN**

- Design and produce advertising and marketing projects from concept to completion using Photoshop, Adobe Illustrator and InDesign
- Express artistic talent through dynamic drawing, sketching, and computer generated design
- Create a professional portfolio for college and employment showcasing your work

### **HEALTH SCIENCES**

- Explore a wide range of medical careers through practical lab experiences and high level academic coursework
- Apply health care concepts, processes, and diagnostic procedures in a clinical environment while working with medical professionals
- Develop your interest in helping others by providing quality patient care  
*Integrated Academic Credit: 1 Credit Science (Anatomy & Physiology)*

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

- Design, install, repair and maintain residential and commercial refrigeration, heating and air conditioning systems
- Use logical thinking to interpret blueprints, electrical schematics, and operational sequence charts
- Fabricate sheet metal ventilation systems

### **HOMELAND SECURITY**

- Research and analyze current trends and issues relating to terrorism, biohazards and other crises
- Engage in catastrophic public emergency scenarios using high-tech security equipment
- Participate in our exclusive curriculum developed in conjunction with the Department of Homeland Security

### **HOSPITALITY, TOURISM & EVENT PLANNING (North Only)**

- Plan creative travel tours and special events for private and corporate clients
- Make reservations, plan travel itineraries, and research luxury destinations
- Mentor with industry professionals to provide high quality customer service

### **LAB & PHARMACY SCIENCES (South Only)**

- Explore molecular biology, organic chemistry, pharmaceuticals, and genetic engineering
- Use the same advanced equipment as professionals in the medical, industrial, and pharmaceutical industries
- Perform lab experiments and forensic testing, and research drug interactions  
*Integrated Academic Credit: 1 Credit Science (Anatomy & Physiology)*

### **LANDSCAPING & HORTICULTURE (North Only)**

- Design, install, and maintain creative residential and commercial landscapes
- Operate a full service greenhouse using an extensive knowledge of plants and creative design elements
- Provide excellent customer service while interpreting project requirements and completing them on schedule

### **LAW ENFORCEMENT**

- Use investigative techniques to solve crime scenarios and to mediate and resolve conflicts
- Develop your mind and body using self-defense tactics and fitness training
- Operate a police vehicle and use other security related training equipment

### **MOTORCYCLE & SMALL ENGINE TECHNOLOGY (SOUTH ONLY)**

- Troubleshoot, repair, and overhaul gas-powered recreational and industrial equipment
- Service air and water cooled engines, lawn mowers, personal watercraft, motorcycles, and all-terrain vehicles
- Use the same equipment and techniques as professional mechanics

**PLUMBING (North Only)**

- Troubleshoot, repair, and maintain residential and commercial pipe systems
- Install and upgrade kitchen and bath fixtures in new and remodeled homes
- Use the same tools and diagnostic equipment as plumbing and pipefitter professionals

**PRECISION MACHINING**

- Invent, design, and manufacture the tools and components for a wide range of production needs
- Utilize advanced computer-controlled technology to create steel, aluminum, and plastic components
- Develop customized parts and tools using computer aided design (CAD)

*Integrated Academic Credit: 1 Credit Applied Math  
(Machining Math)*

**VETERINARY ASSISTANT**

- Explore the science of veterinary medicine including animal care/control, grooming, clinical procedures/terminology, and disease prevention
- Interact daily with animals while working side by side with certified professionals
- Assist local animal shelters in their efforts to care for and find homes for neglected pets

*Integrated Academic Credit: 1 Credit Science  
(Intro to Anatomy & Physiology)*

**WEB AND COMPUTER PROGRAMMING**

- Design, create, and maintain software, databases, and high impact web pages
- Write and edit source code and applets in interactive web-based applications such as HTML and Java
- Use a wide range of programming languages to manipulate and present data for business, professional, and entertainment purposes

**WELDING**

- Apply advanced welding techniques to design, engineer, build, and troubleshoot complex metal fabrication challenges
- Develop the confidence, work ethic, team cooperation, and stamina necessary for a career in fabrication
- Perfect modern welding processes while partnering with other programs to complete projects

## North Tech \* South Tech Academic Integrations

Dental Sciences	Academic Credit*	Career & Technical Education Credits	DESE Code/Title
Anatomy & Physiology I	.5 – 1 <sup>st</sup> sem. Jr. yr.	1.0 – 1 <sup>st</sup> sem. Jr. yr. 1.5 – 1 <sup>st</sup> sem. Sr. yr.	134221 – Physiology & Anatomy
Anatomy & Physiology II	.5 – 2 <sup>nd</sup> sem. Jr. yr.	1.0 – 2 <sup>nd</sup> sem. Jr. yr. 1.5 – 2 <sup>nd</sup> sem. Sr. yr.	134221 – Physiology & Anatomy
<i>Total Credits</i>	<b>1.0 Academic</b>	<b>5.0 Practical Art</b>	<b>= 6 Total credits</b>

Early Childhood Education	Academic Credit*	Career & Technical Education Credits	DESE Code/Title
Health & Child Development	.5 – 1 <sup>st</sup> sem. Jr. yr.	1.0 – 1 <sup>st</sup> sem. Jr. yr. 1.5 – 2 <sup>nd</sup> sem. Jr. yr. 3.0 – Sr. yr.	096840 – Family & Individual Health
<i>Total Credits</i>	<b>1.0 Academic</b>	<b>5.5 Practical Art</b>	<b>= 6 Total Tech credits</b>

Electronics & Robotics Engineering	Academic Credit*	Career & Technical Education Credits	DESE Code/Title
Intro to Physics	.5 – 1 <sup>st</sup> sem. Jr. yr.	1.0 – 1 <sup>st</sup> sem. Jr. yr. 1.5 – 1 <sup>st</sup> sem. Sr. yr.	135900 – Intro to Physics
Intro to Physics	.5 – 2 <sup>nd</sup> sem. Jr. yr.	1.0 – 2 <sup>nd</sup> sem. Jr. yr. 1.5 – 2 <sup>nd</sup> sem. Sr. yr.	135900 – Intro to Physics
<i>Total Credits</i>	<b>1.0 Academic</b>	<b>5.0 Practical Art</b>	<b>= 6 Total credits</b>

Health Sciences	Academic Credit*	Career & Technical Education Credits	DESE Code/Title
Anatomy & Physiology I	.5 – 1 <sup>st</sup> sem. Jr. yr.	1.0 – 1 <sup>st</sup> sem. Jr. yr. 1.5 – 1 <sup>st</sup> sem. Sr. yr.	134221 – Physiology & Anatomy
Anatomy & Physiology II	.5 – 2 <sup>nd</sup> sem. Jr. yr.	1.0 – 2 <sup>nd</sup> sem. Jr. yr. 1.5 – 2 <sup>nd</sup> sem. Sr. yr.	134221 – Physiology & Anatomy
<i>Total Credits</i>	<b>1.0 Academic</b>	<b>5.0 Practical Art</b>	<b>= 6 Total credits</b>

Lab & Pharmacy Sciences	Academic Credit*	Career & Technical Education Credits	DESE Code/Title
Anatomy & Physiology I	.5 – 1 <sup>st</sup> sem. Sr. yr.	1.5 – 1 <sup>st</sup> sem. Jr. yr. 1.0 – 1 <sup>st</sup> sem. Sr. yr.	134221 – Physiology & Anatomy
Anatomy & Physiology II	.5 – 2 <sup>nd</sup> sem. Sr. yr.	1.5 – 1 <sup>st</sup> sem. Jr. yr. 1.0 – 1 <sup>st</sup> sem. Sr. yr.	134221 – Physiology & Anatomy
<i>Total Credits</i>	<b>1.0 Academic</b>	<b>5.0 Practical Art</b>	<b>= 6 Total credits</b>

Precision Machining	Academic Credit*	Career & Technical Education Credits	DESE Code/Title
Machining Math	.5 – 1 <sup>st</sup> sem. Jr. yr.	1.0 – 1 <sup>st</sup> sem. Jr. yr. 1.5 – 1 <sup>st</sup> sem. Sr. yr.	115825 – Applied Mathematics
Machining Math	.5 – 2 <sup>nd</sup> sem. Jr. yr.	1.0 – 2 <sup>nd</sup> sem. Jr. yr. 1.5 – 2 <sup>nd</sup> sem. Sr. yr.	115825 – Applied Mathematics
<i>Total Credits</i>	<b>1.0 Academic</b>	<b>5.0 Practical Art</b>	<b>= 6 Total credits</b>

Veterinary Assistant	Academic Credit*	Career & Technical Education Credits	DESE Code/Title
Intro to Anatomy & Physiology I	.5 – 1 <sup>st</sup> sem. Jr. yr.	1.0 – 1 <sup>st</sup> sem. Jr. yr. 1.5 – 1 <sup>st</sup> sem. Sr. yr.	134221 – Physiology & Anatomy
Intro to Anatomy & Physiology II	.5 – 2 <sup>nd</sup> sem. Jr. yr.	1.0 – 2 <sup>nd</sup> sem. Jr. yr. 1.5 – 2 <sup>nd</sup> sem. Sr. yr.	134221 – Physiology & Anatomy
<i>Total Credits</i>	<b>1.0 Academic</b>	<b>5.0 Practical Art</b>	<b>= 6 Total credits</b>

\*NOTE: If the Academic Integration course is a duplication of a class already taken, credit may be recorded as an elective practical art credit.

# COURSE REQUEST WORKSHEET\*

Last Name \_\_\_\_\_ First Name \_\_\_\_\_ MI \_\_\_\_\_

Student # \_\_\_\_\_ Academic Lab Teacher \_\_\_\_\_

- Complete the Graduation Requirement Grid (page 4) before completing this worksheet.
- Include all core classes required for graduation, college admissions, and electives.
- List 18 semesters of classes (one class per line) that you may be interested in taking next school year.
- Prioritize your choices of Elective/Other Courses; #7-10 should be considered alternate requests.
- There is no need to include Academic Lab on this sheet.

		Course Number (Enter one six-digit course per box)	Course Title
<b>COMMUNICATION ARTS</b>		_____	
		_____	
<b>MATHEMATICS</b>		_____	
		_____	
<b>SCIENCE</b>		_____	
		_____	
<b>SOCIAL STUDIES</b>		_____	
		_____	
<b>OTHER COURSES</b>	1	_____	
	2	_____	
	3	_____	
	4	_____	
	5	_____	
	6	_____	
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\*Actual Course Requests must be submitted online and on an official form. Please see your Academic Lab teacher for this document.

# NOTES