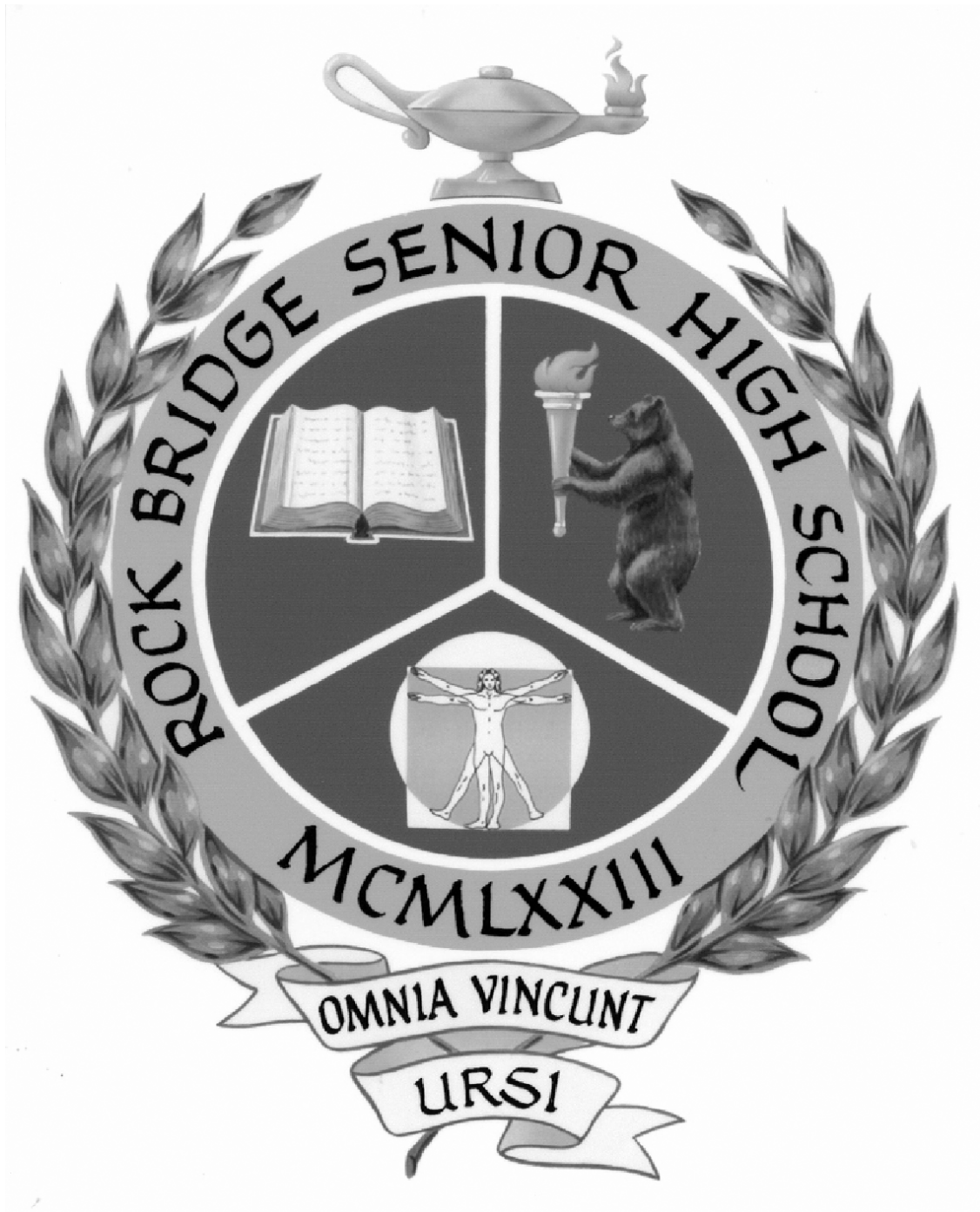


Rock Bridge High School

Student Registration Guide



2012-2013

2012-2013 Registration Guide

Rock Bridge High School

4303 South Providence Road Columbia, MO 65203-7198
 Main Office (573) 214-3100 Guidance (573) 214-3111
 Mark Maus, Principal

Diane Bruckerhoff, Asst. Principal
 Jennifer Mast, Asst. Principal & Athletic Director
 Lisa Nieuwenhuizen, Asst. Principal

David Bones, Asst. Principal, Student Activities
 Dr. Tim Wright, Asst. Principal
 Betsy Jones, Director of Guidance

Guidance Counselors				
Class of 2013	A-K	Rachel Reed	L-Z	Jane Piester
Class of 2014	A-K	Matt Miltenberg	L-Z	Leslie Kersha
Class of 2015	A-K	Samuel Martin	L-Z	Melissa Coil

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The Columbia Public School District does not discriminate on the basis of race, creed, color, sex, national origin or handicap, in making the various educational and vocational programs available to otherwise qualified students. Each student is eligible to enroll in any program for which he/she is qualified.

Pursuant to 20 U.S. Code 1681, 1682 it shall be the policy of the Columbia Public School District to provide equal opportunities for employment, promotion and education without regard to sex, age, race, color, creed or national origin. Concerns or complaints regarding possible discrimination should be directed to the building principal or supervisor and the Superintendent of Schools, 1818 West Worley, Columbia, Missouri 65203 (573) 214-3400.

ACADEMIC & ATHLETIC ELIGIBILITY

MSHSAA Information

It is the **student's responsibility** to make sure they are eligible to participate in athletics or other MSHSAA sponsored activities. If the student has any problems, questions or concerns, they should be remedied BEFORE the beginning of the season and preferably during registration. Parents can assist by understanding a few of the general guidelines and rules for MSHSAA eligibility.

For a student to maintain eligibility:

- o For academic eligibility, students must be enrolled in and have earned the previous semester **80%** of the maximum allowable credits. For what this means to RBHS students, please see the table below.
- o Correspondence courses do not count as part of the required credits.
- o College courses may count up to 1.0 credits per semester as follows:
 - ¼ credit for a 2 hour college class, ½ credit for a 3 hour college class or 1 credit for a 5 hour college class
 - ***Please see your grade level counselor or the athletic director if this applies to you***
- o Summer school classes may count up to 1 credit towards eligibility for fall participation if:
 - The class is required for LOCAL graduation
 - The class is not an elective or correspondence course

	For FALL SEMESTER participation, student must:	For WINTER SEMESTER participation, student must:
Senior	<ul style="list-style-type: none"> • Have earned 3.25 credits in the spring semester junior year • Be enrolled in 3.25 credit-earning classes 	<ul style="list-style-type: none"> • Have earned 3.25 credits in the fall semester senior year • Be enrolled in 3.25 credit-earning classes
Junior	<ul style="list-style-type: none"> • Have earned 3.0 credits in the spring semester sophomore year • Be enrolled in 3.25 credit-earning classes 	<ul style="list-style-type: none"> • Have earned 3.25 credits in the fall semester junior year • Be enrolled in 3.25 credit-earning classes
Sophomore	<ul style="list-style-type: none"> • Have earned 3.0 credits in the spring semester freshman year • Be enrolled in 3.0 credit-earning classes and sophomore advisory 	<ul style="list-style-type: none"> • Have earned 3.0 credits in the fall semester sophomore year • Be enrolled in 3.0 credit-earning classes and sophomore advisory

If you have any questions, please contact Jennifer Mast, Athletic Director at 214-3118 ext. 3. To contact MSHSAA, call 875-4880.

NCAA INFORMATION

High school athletes who are considering playing college sports need to follow instructions on the NCAA Clearinghouse website (ncaa.org). Meeting graduation requirements does not necessarily qualify a student for Division I or II athletics. It is the parent's and student's responsibility to follow the instructions from the NCAA.

STUDENT ACTIVITIES

Students are strongly encouraged to get involved in one or more activities. Involvement in co-curricular activities allows students to expand their talents and skills and to establish lifelong friendships. With over 50 clubs, 17 sports and numerous performing arts opportunities, we have something for everyone!

Clubs and organizations:

Ambassadors, Art Honor Society, Basketball Club, BruCrew, Bruin Girls, Bruins United, Calculus Club, Cheerleaders, Chess Club, Chinese Culinary/Arts/Language, Color Guard, Creative Arts Club, DECA, Drama Club, Folio, FOOD Club, Future Doctors of America, Future Educators of America, Future Farmers of America, Gay-Straight Alliance, Genres Book Club, Global Issues, Health Occupations Students, Interclub Council, International Culture Organization, Japanese Club, Junior Classical League, Key Club, Minority Achievement Committee Scholars, Male Ensemble, Math Team, Model United Nations, Movie Club, Nat'l Forensics League, National Honor Society, Nerds Anonymous, Pokemon Wilderness Society, Portkey Club, Programming Club, Quill and Scroll, Rock Bridge Reaches Out, RBX3, Scholar Bowl, School Newspaper, School Yearbook, Science Olympiad, Self-Actualization Club, Society for Engineering/Technology/Applied Science, Societe Honoraire De Francais, Spanish Honor Society, Sports Medicine Club, Student Coalition, Student Council, Student Environmental Coalition, TEAMS (Tests of Engineering Aptitude), Tri-Theta, T/F Film Club, Ukulele Club, Ultimate Frisbee Club, Young Democrats, Young Moderates, Young Republicans, Young Socialists Club, Zombie Attack League, Zombie Defense League, Fellowship of Christian Athletes (not school sponsored), Muslim Student Union (not school sponsored).

Athletics:

Fall - football, boys' soccer, cross country, girls' golf, softball, volleyball, girls' tennis
 Winter - wrestling, boys' basketball, girls' basketball, boys' swimming
 Spring - baseball, boys' golf, girls' soccer, boys' tennis, girls' swimming, track

Drama and Music:

School musicals, plays, show choir festivals, instrumental and vocal concerts, Children's Theater productions/puppet shows, Capers talent show, and Cultural Arts Fridays

Admission/Graduation Requirements

	<i>State Graduation Requirements</i>	<i>Admission Requirements for the University of Missouri (UMC, MO S&T, UMKC, UMSL)</i>	<i>Admission Requirements for Truman</i>	<i>Admission Requirements for the Missouri Public 4 Year Colleges (UCM, MSU, SEMO, NWMOState, MSSU)</i>
Language Arts	4 (3 must be English, World Language does not count as Language Arts)	4 (1 unit may be speech or debate; 2 units emphasizing composition or writing skills)	4	4 (1 unit may be speech or debate; 2 units emphasizing composition or writing skills)
Math	3	4 (Algebra 1/Integrated 1 and beyond)	3 (Algebra 1/Integrated 1 and beyond, 4 units are strongly recommended)	3 (Algebra 1/Integrated 1 and beyond)
Science	3 (1 Physical Science, 1 Biological Science)	3 (Not including General Science, 1 must be a Lab Course)	3 (Not including General Science, 1 must be a Lab Course)	3 (Not including General Science, 1 must be a Lab Course)
Social Studies	3 (1 US History, 1 World History, .5 Government)	3	3	3
Health	.5			
Fine Arts	1	1	1	1
Practical Arts	1 (.5 must be personal finance)			
PE	1			
Electives	7.5			
World Languages		2 units of same language	2 units of same language	2 units of same language strongly recommended
Additional				3 Core Electives selected from English, Mathematics, Science, Social Studies, Fine Arts or World Languages. 2 units of the same World Language strongly recommended
Total Required	24	24 unit high school curriculum **Plus appropriate ACT/SAT Scores	24 unit high school curriculum **Plus appropriate ACT/SAT Scores	24 unit high school curriculum **Plus appropriate ACT/SAT Scores

NOTE Students should consider admission requirements specific to the college or university to which they may seek to apply as they select high school courses.

ENROLLMENT INFORMATION



GRADUATION REQUIREMENTS

A student's individual academic/career path should be a cooperative plan between the home and school to meet the needs of the student. Students who earn credit according to the following listing are eligible for graduation.

English (may include 1 credit of language arts)	4 Credits
Mathematics (Algebra 1 or Integrated 1 and beyond)	3 Credits
Science (1 credit of biological science, 1 credit of physical science, one additional).....	3 Credits
Social Studies	
(Must include ½ credit of gov't, one (1) credit of world history, one (1) credit of U.S. history).....	3 Credits
Fine Arts	1 Credit
Practical Arts (½ credit Personal Finance required and can be used for practical art)	1 Credit
Physical Education.....	1 Credit
Health	1/2 Credit
Electives.....	7 ½ Credits
Total Minimum Requirements	24 Credits

- Each student must also satisfy the specific legal requirements for a high school diploma. No more than four (4) credits can be earned during a regular school semester without special permission granted by the school principal.
- Transfer credit from non-public schools must correspond to courses and requirements acceptable to the Missouri Department of Elementary and Secondary Education and the Columbia Public Schools.
- Second semester seniors entering Rock Bridge for the first time must be enrolled as a full-time student for second semester in order to be eligible for a Rock Bridge diploma.
- See page 11 for Valedictorian/Salutatorian criteria.

GUIDELINE FOR AWARDING CREDIT PRIOR TO 9TH GRADE

Columbia Public Schools will award credit for high school level math and world languages courses taken prior to 9th grade with the following stipulations:

1. Student must earn a 60% or better in the course in order to receive high school credit.
2. In world languages, student must complete the entire first level (i.e. 1A and 1B) prior to being awarded 1 credit.
3. Credit will be recorded on high school transcript as transfer credit with a grade of P (pass).
4. Valedictorian/salutatorian will be determined based on 9-12 GPA. Grades and credit earned prior to 9th grade will not be considered.



A+ SCHOOLS PROGRAM

Rock Bridge High School is a part of the **A+ Schools Program**. This program is designed to guide students in a rigorous program of academic and technical education that will prepare them for the workplace, post-secondary vocational/technical training, or college. The goals of the **A+ Schools Program** are that all students will:

1. Graduate from high school.
2. Complete a selection of high school studies that is challenging and has identified learning expectations.
3. Proceed from high school graduation to college or a post-secondary vocational/technical school or a high-wage job with skill development opportunities.

All Rock Bridge students are encouraged to sign-up to be a part of the program in the A+ office by November 1st of their senior year. Participation in the **A+ Schools Program** may qualify students to receive an **A+ Financial Incentive** (Two years of fees and tuition at any Missouri public two-year community college or vocational/technical school. This is contingent upon availability of funding and appropriation by the Missouri State Legislature).

To qualify for an **A+ Financial Incentive**, a student must:

1. Complete a written A+ Schools Agreement (Applications available in Guidance and on RBHS website).
2. Attend an A+ designated school for three consecutive years prior to graduation.
3. Graduate from high school with at least a 2.5 GPA (cumulative average 9-12 grades).
4. Have at least a 95% attendance rate for the four years of high school (cumulative average 9-12 grades).
5. Perform 50 hours of unpaid tutoring or mentoring in a CPS classroom (coordinated by the RBHS A+ office). No more than 12.5 hours of the tutoring/mentoring can include job shadowing experiences.
6. Maintain good citizenship and avoid the unlawful use of drugs and alcohol (9-12 grades).
7. Earn a score of Proficient or higher on the Algebra1/Integrated Math 1 End of Course Assessment (2015 graduates and beyond)
8. Attend a Missouri community college or post-secondary vocational/technical school on a fulltime basis and maintain a GPA of 2.5 or higher.
9. Submit a Free Application for Financial Student Aid (FAFSA) form (second semester of their senior year)
10. Have registered for Selective Service (male U.S. citizen over age 18)

Contact Mrs. Jane Piester, A+ Coordinator, at 214-3111 or see the Guidance office for more information.

SERVICES FOR STUDENTS WITH DISABILITIES

It is the policy of the Board of Education to provide a free and appropriate education for students with disabilities, including those who are in need of special education and related services or identified as disabled under Section 504. The district's programs and services available to meet the needs of students with disabilities will be in accordance with applicable federal and state laws for the implementation of Part B of the Individuals with Disabilities Education Act (IDEA) or Section 504. Individualized Educational Plans or 504 Plans are developed to address instruction and course work as appropriate. The Individuals with Disabilities Education Act (IDEA) states that students with disabilities must be educated with non-disabled peers "to the maximum extent appropriate." Removal from regular education environments is appropriate only when the nature or severity of the disability is such that education in regular classes with the use of supplementary aids and services cannot be achieved satisfactorily. Schools are required to offer a "continuum of alternative placements" as the legislation recognizes that not all students will be able to be educated in the general education environment (IDEA, 2004).



Post-High School Options

POST-HIGH SCHOOL OPTIONS

Regardless of which career path a student chooses, there are many educational opportunities available after graduation. Most good career opportunities require some formal training beyond high school. Such training opportunities could include:

1. military
2. on-the-job training
3. apprenticeship
4. vocational/technical school
5. community college
6. four-year colleges and universities

POST-HIGH SCHOOL EDUCATION

Students planning to attend a post-secondary college or university, or other training program, should be aware that most of these have admission standards. Students planning to attend a 4-year college or university, either in Missouri or out-of-state, will normally be expected to complete course requirements that exceed high school graduation requirements. Students *must check* with the school or college of their choice for specific admissions requirements. *Admission/Graduation Requirements* (page 4) compares CPS graduation requirements with the admission requirements for the University of Missouri and the Missouri public four-year colleges.

Enrollment Options

NUMBER OF SEMESTERS REQUIRED

Consistent with the intent of the Missouri State Department of Elementary and Secondary Education regulations pertaining to graduation requirements, a student will typically be expected to complete four (4) full years of high school. Some students, however, may complete graduation requirements early, and they may need the challenge of pursuing postsecondary studies. Other students may need more time than the usual four years to complete requirements. The important goal is finishing high school with a quality education, not graduating within a specific number of years.

“EARLY” GRADUATION

Any student seeking a waiver of the policy of four years of full-time attendance must submit a written request specifying the reasons together with a letter from the parents approving the request. **A REQUEST FOR EARLY GRADUATION MUST BE A PLANNED PART OF A STUDENT’S EDUCATIONAL PROGRAM AND MUST BE SUBMITTED PRIOR TO THE FINAL SEMESTER THE STUDENT IS IN FULL-TIME ATTENDANCE.**

Students approved for early graduation shall be considered graduates at the date the students terminate their enrollment. Early graduates meeting graduation requirements in December may participate in the graduation ceremony at the end of the school year and end-of-the-year senior activities. They may not be eligible for certain awards or recognitions that require eight (8) semesters of attendance.

PART-TIME ATTENDANCE PROCEDURES

Students requesting release from school (reduced schedule) will need to meet the following criteria:

- Request should be a part of the student’s educational program
- Request needs to be submitted prior to the beginning of semester
- Senior status with 17 or more credits
- Good citizenship
- GPA of 2.0 or above
- Good attendance
- Completed application with signatures from the assistant principal, counselor, student and parent
- Part-time students are not permitted to remain on school grounds during non-scheduled periods.

We do not recommend part-time status for students planning to enter postsecondary institutions.

ADVANCED COLLEGE STANDING



Rock Bridge High School offers a variety of opportunities for students to earn advanced standing and/or college credit for work done at the high school level. Additional information is available from counselors regarding these options:

Advanced Placement: AP courses are college level courses taught in high school. Students have the option at the end of the course to take an exam. Credit and/or advanced placement can generally be earned with scores of 3-5 (score range on the exams is 1-5). Students must check with the college or university in which they are interested for specific credit by examination policies.

Advanced Placement courses offered include:

Art	Computer Science	English	Foreign Language	History/Social Studies	Math	Music	Science
Art 1	Computer Science A	English Literature & Composition	French	Government	Calculus AB	Music Theory	Biology
Art 2		English Language & Composition	Spanish	Psychology	Calculus BC		Chemistry
				European History	Statistics		Physics B
				World History			
				US History			
				Human Geography			

CLEP (College Level Examination Program): Over 2800 colleges and universities grant credit and/or advanced placement for CLEP exams. CLEP exams are offered in areas not covered by advanced placement and no formal classroom instruction is required. Students must check with the college or university in which they are interested for specific credit by examination policies.

Dual Enrollment: Students may attend any of the local colleges while in high school. Students typically do this in their senior year. All courses taken at the college level earn college credit. Students are responsible for appropriate fees. Students may apply to earn high school credit for college work.

Dual Enrollment Credit: Students may earn both high school and college credit for selected courses taken at the local colleges. Certain attendance requirements apply and students are responsible for appropriate fees.

Dual Credit/Articulated Credit: Opportunities exist for students in selected courses to earn credit and/or advanced standing at a variety of technical schools, community colleges and four-year institutions, including Linn State Technical College, Moberly Area Community College, University of Central Missouri, University of Missouri-Kansas City, Central Methodist University, Stephens College and Missouri State University. Courses with articulation or dual credit opportunities are indicated in the course description.

AUDIT AND REPEAT FOR IMPROVED GRADES

Auditing: A student must obtain approval by the appropriate division chair and their counselor in order to audit a class.

Repeat for Improved Grade, No Credit: Students with lower than a C- in a course wishing to improve their grade will be allowed to do so under the following guidelines:

1. The division chair must give approval.
2. **Both grades will be shown on the transcript with both grades being used for GPA calculation but only one credit given for a specific course.**

3. Any student changing his/her mind and wanting to drop the repeated course would have the current withdrawal procedures applied (W/F).
4. A request must be completed with the student's counselor.

A student who has received a C or better previously may not retake a course under the above guidelines. He/she may only repeat a course on a "contractual audit" basis, which requires that all parties involved sign an agreement (student, parent, counselor, department chair, and teacher). This agreement must specify that to remain in the class the student will demonstrate and maintain achievement greater than or equivalent to previous attempts in the course.



SCHEDULE CHANGES AND COURSE WITHDRAWALS

Schedule Changes

Schedules are developed based on course requests submitted in the spring. Every effort is made to provide students with a schedule that includes their first choices. Rock Bridge High School cannot honor requests for specific teachers or courses at a particular block.

We hire and assign staff to teach courses that students request. Class sections are created, reasonable class size limits are set, and textbooks and supplies are ordered on the basis of student registration counts. Schedule changes after the master schedule is finalized in the spring can result in imbalances and weaker educational experiences. We need accurate information to plan for the courses you want and need.

Students should be aware of the following guidelines regarding adding or dropping classes:

1. All schedule **corrections** will be completed before all other requests are reviewed.
2. No changes will be made again until the student has completed an A and B day.
3. **The counselors will begin reviewing requests for preference schedule changes the third day of school.**

Note: Exceptions to any of the above guidelines require the approval of the guidance department and administrative approval.

Course Withdrawal

1. Students may withdraw from a course up to the first Interim Progress Report of the first and second semesters without the course appearing on the transcript.
2. Students withdrawing from a course after the deadline will be assigned to either an academic resource class or be placed on part-time status. A notation of "WF" for withdraw/fail will be recorded on the transcript and an F will be calculated in the GPA.
3. Parent permission must be obtained before a student may request to withdraw from any course.



INDEPENDENT STUDY

Independent study is an option that may be available to a student with a special interest in any of the departments at Rock Bridge. Independent study is generally available for courses that are offered during the school day at Rock Bridge that conflict with the student's schedule. This option is available for a student who has a special interest, motivation or ability and has the commitment to complete course work on his or her own. Students must find a certified teacher willing to offer their course independently.

The following procedure should be followed:

1. Student needs to contact his/her counselor to discuss the request. Student will then contact the appropriate instructor to discuss the request. If the counselor and instructor are in agreement, an Independent Study Form is provided.
2. Together the instructor and student, in conjunction with the division chair for the department, write an agreement outlining specific assignments, topics, timelines and meetings for which the student will receive ½ credit (per semester).
3. The completed Independent Study Form needs to be returned to Guidance and copies of the form distributed to student, teacher, counselor and computer secretary (Amanda Everhart).
4. **All independent study courses will be graded on a pass/fail basis.**
5. Students wishing to apply for independent study with a Career Center teacher must complete and return an application through the Career Center guidance office.



SCHEDULING OPTIONS

The faculty and administration of RBHS are thrilled to offer all of the special opportunities that are provided for students. Individual student needs may be met much more easily with the flexible options that are offered with the four period alternating schedule. The extended class periods allow for better and more complete learning experiences in each course. If there are any questions concerning students' schedules, call the Guidance Office at 214-3111.

Sophomore Advisory: The sophomore year is a unique period of transition. As such, sophomores at Rock Bridge High School are given increasing increments of freedom over time. This year long orientation course provides structured activities and study time during the first semester of the school year, transitioning students into a Supervised Unassigned Time during second semester. Students struggling academically are assigned to the Sophomore Tutoring Program which includes tutoring opportunities in core subjects. Sophomores are required to check in with their advisors at the beginning and end of their Supervised Unassigned Time, which begins the second semester. Students must remain on campus during their Supervised Unassigned Time.

AUT: Alternating Unassigned Time is a program unique to Rock Bridge High School. This program provides flexibility for juniors and seniors in structuring their non-class time with a variety of options, including tutoring, computer use, media services, counseling, and cafeteria services. In contrast to the traditional study hall, students in AUT may move about the building to connect with teachers, counselors, and other students. This program gives students flexibility and freedom to learn time management skills in a supportive environment.

Students will be required to use AUT to meet with counselors regarding college, career, testing and post-secondary plans. **Some meetings will be required.**

Academic Resource Class: This is a quiet room set aside for students who want or need a quiet area in which to study on a regular basis. Attendance will be taken in Academic Resource Class and academic support is available during this class.

Loss of Privilege Study Hall (LOP Study Hall): As students advance through RBHS, certain privileges such as AUT, permission to leave campus and parking are subject to removal for failure to comply with school rules. Failure to report to the LOP study hall will result in increased consequences.



SCHOLARSHIPS

Many types of post-secondary grants and scholarships are available to students. In addition, most colleges and universities offer their own scholarships based upon high school achievement. Other scholarships may be available based on competitive examinations. The National Merit is an example of this type scholarship. Other scholarships may be granted to students who possess special skills such as athletic or musical ability. Students should consult with their grade-level counselor regarding scholarship information and check Rock Bridge's scholarship website (<http://www.columbia.k12.mo.us/rbhs/guidance/scholarships.htm>).

HONORS AND AWARDS



Numerous awards are presented to Rock Bridge seniors each spring. At the end of each school year an Awards Assembly is held to recognize those students who have made outstanding contributions to the school and community in leadership, scholarship and service. Awards and scholarships are presented to students by various departments and civic organizations.

Students who meet specific criteria are eligible to receive the following awards:

- The **Presidential Award for Educational Excellence** is presented to seniors who have a GPA of 3.50 or above after 7 semesters and scored at or above the 85th percentile in math or in reading on the ACT or SAT.
- The **George Washington Carver Award** is presented on behalf of the governor of Missouri to high school seniors who graduate in the top ten percent of their class.

The criteria for each of these awards is reviewed and revised annually by the issuing organization. The above criteria reflect eligibility requirements for the 2012-2013 school year and may be slightly different each ensuing year. Specific criteria for each school year is made available each spring.

The following honors are recognized at commencement:

- **Highest Honors:** recognizes seniors who maintain a 3.9 grade point average on a 4.0 scale.
- **High Honors:** recognizes seniors who maintain a 3.7 to 3.89 grade point average on a 4.0 scale.
- **Honors:** recognizes seniors who maintain a 3.5 to 3.69 grade point average on a 4.0 scale.

The following awards are presented at commencement:

- **Valedictorian:** presented to the senior who maintains the highest grade point average for eight semesters of high school work and the other criteria listed below.
- **Salutatorian:** presented to the senior who maintains the second highest grade point average for eight semesters of high school work and the other criteria listed below.



Valedictorian and Salutatorian Guidelines

The valedictorian and the salutatorian designation will be awarded to the students with the highest and second highest GPA after eight (8) semesters who also meet the following minimum requirements.

1. The student must earn a MINIMUM of five (5) credits in honors or advanced placement courses using the standard grading policy (A, B, C, D, F).
2. The student must score above the prior year's national average on the ACT or SAT.
3. Courses taken at a college or university for dual credit in areas of English, math, science, social studies, world languages, or advanced technical/vocational courses will be considered honors level courses.
4. GPA will be calculated through three (3) decimal places. A committee of administrators and counselors will review and name the valedictorian(s) and salutatorian from the eligible candidates. Ties will be designated as co-valedictorian(s). When co-valedictorians are named, no salutatorian will be named for that year.

CAREER PATHS

Career paths are a way to look at course selection and career planning.

Career Paths should be seen as a method for gaining focus and as a guide to the future. Follow the steps below for completing your plan of study:

- a. Read the information below on career paths.
- b. Study the six career paths on the next few pages.
- c. Select the one that seems to be a good fit for you at the present time. Career Path options are included in the registration guide.
- d. Study the information on graduation requirements, post high school options and training requirements as well as the other information regarding your high school program.
- e. Identify courses that tie into your career path and post high school educational plans. Courses in the guide have been identified along career paths.
- f. Four-Year Plans can be accessed through the Missouri Connections website.
- g. Finalize your pre-enrollment by completing the pre-enrollment form and obtaining a parent/guardian signature.

WHAT ARE CAREER PATHS?

Career paths are clusters of occupations/careers that are combined together because many of the people in them share similar interests and strengths. It is important for the student to note that there are a variety of occupations in each path that require different levels of education and training. Selecting a career path provides the students with an area of FOCUS along with FLEXIBILITY and a VARIETY of ideas to pursue.

HOW CAN CAREER PATHS HELP A STUDENT?

Deciding on a career path can help the student prepare for his/her future. The intent is **not** for the student to decide on a specific occupation for the rest of his/her life, but to select a career path in which the student wants to begin directing his/her energies. It can help the student in selecting courses in school, school activities and part-time employment.

When deciding on a career, the student should always begin by thinking about himself/herself – what does the student like to do, what comes easily, what is the student good at and which courses does the student really enjoy? As the student becomes familiar with career paths and when the student selects one, which he/she would like to try, the student should think about which courses could best help him/her prepare for occupations within that path. Remember that courses the student enjoys can be helpful in selecting a career path.

WHAT IF THE STUDENT CHANGES HIS/HER MIND?

A career path choice is **not** a permanent commitment. As the student matures and has new experiences, the student will learn new things about himself/herself, and may change career paths. If the student decides on a new career path, the student should discuss this with his/her counselor and adjust future course selections in accordance with the new career direction.

HOW CAN A PARENT HELP?

Career paths give the parent a focus upon which to discuss career opportunities with his/her student. Concentrating on selecting a career path can enable a student to make an initial career decision. The idea of selecting a career for the rest of life can be overwhelming. If that decision does not turn out to be a good one, the student may not know what other career options there are. When a student makes a career path decision that student knows that there are many similar choices and if one doesn't end up being the right one there are a variety of related careers to consider.

The parent can help his/her student by:

1. Discussing the student's interests, abilities and talents.
2. Sharing information with the student about careers and the parent's work experience.
3. Arranging for the student to talk with people the parent knows about careers that are of interest to them.

CAREER PATH OPTIONS

The following are examples of career options under the six major Career Paths. The first column, Entry Level, lists careers that do not require post secondary education. The second column, Skilled Level, lists careers that may require one or more years of postsecondary education. The third column, Professional Level, lists careers that require a minimum of four years of college. The recommended electives listed in each column will give you an idea of high school courses that will help you prepare for these career options. Please see information on previous pages regarding course requirements for high school graduation and for post secondary plans.

The "+" signifies the Recommended Electives in the previous column also apply to the next column. For example, column 2 Recommended Electives would include electives listed in column 1; column 3 Recommended Electives would also include the Recommended Electives listed in columns 1 and 2.

Career Path: Fine Arts & Communication

Career Options: Music, Visual Art, Theater, Dance, World Languages and Literary Arts

ENTRY LEVEL	SKILLED LEVEL	PROFESSIONAL LEVEL
Examples:	Examples:	Examples:
Metal Art Workers	Sound Mixer	Art Educator
Video Sound Technician	Assistant Recording Engineer	Illustrator
Film Clerk	Graphic Designer	Photographer
Stagehand Stage Property Crew	Computer Effects	Computer Artist
Sales	Designer Video Producer	Editor
Costume Assistant	Dancer	Choreographer
Floral Shop Worker	Reporter	Publisher
		Advertising Executive
		Video Game Designer
		Interior Designer
		Actor
		Set Designer
Recommended Electives +	Recommended Electives +	Recommended Electives
Floral and Plant Design	Web Design and Interactive Media	Sports & Entertainment Marketing
MS Office	Web Scripting and Database Management	Any art or music course
Digital Media	Digital Video & Motion Graphics	Acting/Musical Productions
Computer Aided Design	3D Modeling & Animation	Humanities
Graphic Design & Desktop Publishing	Leadership in Media Technology	Public Speaking
Theater Technology 1	Marketing	Journalism/Yearbook/Newspaper
Technical Theater 1	Music and Film Analysis	Interior Design
Clothing courses	Broadcast Journalism 2	Creative Writing
Art Basics/Music Basics	Technical Theater 2	Broadcast Journalism 3
Broadcast Journalism 1		Broadcast Journalism Internship
		Technical Theater 3

Career Path: Business, Management & Technology

Career Options: Business Management & Technology, Accounting, and Office Technology

ENTRY LEVEL	SKILLED LEVEL	PROFESSIONAL LEVEL
Examples:	Examples:	Examples:
Help Desk Consultant	Data Control Clerk	Accountant
Payroll Clerk	Legal Secretary	Financial Consultant
Data Entry Clerk	Medical Secretary	Stock Broker
Bank Teller	Administrative Assistant	Hotel General Manager
Front Desk Clerk	Sales & Marketing	Retail Manager
Sales Associate	Accounting Clerk	Marketing Director
Receptionist	Real Estate Sales	Computer Programmer
	Floral Shop Owner	Hospital Administrator
Recommended Electives +	Recommended Electives +	Recommended Electives
MS Office	Sports & Entertainment Marketing	Advertising & Promotion
Digital Media	Graphic Design & Desktop Publishing	Entrepreneurship
Personal Finance	Leadership in Media Technology	C++ & Advanced C++ Programming
Marketing	Web Scripting & Database Mgt	Accelerated C++ Programming
Public Speaking	Professions in Healthcare	AP Computer Science A
	Accounting	Advanced Programming Projects
	Personal and Business Law	International Business
	Entrepreneurship	
	Greenhouse Production	
	Advanced Horticulture	

Career Path: Health Services

Career Options: Diagnostic Services, Health Information Services, and Therapeutic Services

ENTRY LEVEL	SKILLED LEVEL	PROFESSIONAL LEVEL
Examples:	Examples:	Examples:
Cardiac Monitor Technician	Dental Lab Technician	Veterinarian
Admissions Clerk	Medical Records Technician	Radiologist
Ultrasound Technician	Licensed Professional Nurse	Nuclear Medicine Technician
Phlebotomist	Biomedical Technician	Computer Tomography
Dental Aide	Emergency Medical Technician	Medical Research Analyst
Nursing Assistant	Veterinarian Technician	Health Information Manager
Patient Information Coordinator	Physical Therapy Assistant	Dentist
	Surgical Assistant	Pharmacist
	Medical Coder	Audiologist
		Nurse Practitioner
		Optician
		Physical Therapist
		Dental Hygienist
		Radiation Therapist
		Physician
Recommended Electives +	Recommended Electives +	Recommended Electives
Introduction to Healthcare Professions	Laboratory Foundations	Advanced Animal Science
Introduction to Healthcare Professions-Honors	21 st Century Life Sciences	Honors Chemistry
Professions in Healthcare	Animal and Veterinary Science	AP Chemistry
Professions in Healthcare - Honors	Photonics	AP Biology
MS Office	Anatomy/Physiology	Sports Medicine
Digital Media	Sociology/Psychology	Debate
Laser Technology	Public Speaking	
Laboratory Explorations 101	Emergency Medical Technician-Basic	

Career Path: Human Services

Career Options: Personal and Family Services, Public Safety/Legal Services, Social Services and Education, and Culinary and Hotel/Restaurant Management

ENTRY LEVEL	SKILLED LEVEL	PROFESSIONAL LEVEL
Examples:	Examples:	Examples:
Child Care	Child Care	Child Care
Personal Care Attendant	Personal Care Services	Psychologist
Personal Shopper	Customer Relations	Criminal Justice
Teacher Aide	Apartment Manager	Attorney
Assistant House Cleaner	Property Manager	Primary, Middle, Secondary Education
Stock Clerk	Legal Assistant Services	Guidance & Counseling-Education
Fast Food Worker	Bakery & Pastry Chef	Specialty Chef
Restaurant Waitperson	Line Cook	Restaurant/Hotel Manager
		Firefighter/Police
Recommended Electives +	Recommended Electives +	Recommended Electives
Child Development	Professions in Healthcare	Advertising & Promotion
Culinary Arts	Baking & Pastry Arts	Entrepreneurship
Teaching Professions	Graphic Design & Desktop Publishing	Debate
MS Office	Web Design and Interactive Media	AP Government
Digital Media	Marketing	AP Psychology
Teen/Social Issues	Public Speaking	Foundations of Teaching & Instruction
Personal and Business Law	Sociology/Psychology	Teaching Professions Internship
Creative Cuisine	Emergency Medical Technician-Basic	Core Essentials of Fire Fighting/Public Safety
Intro to Healthcare Professions		

Career Path: Industrial/Engineering Technology

Career Options: Construction, Automotive, Engineering, Electronics, Photonics, and Computer Technician/Networking

ENTRY LEVEL	SKILLED LEVEL	PROFESSIONAL LEVEL
Fork Lift Operator	Computer Technician	Mechanical Engineer
Sheet Metal Worker	Welder	Network Administrator
Medical Equipment Repair	Civil Engineer Technician	Welding Engineer
Welder	General Contractor	Civil Engineer
Machine Tool Operator	Drafter	Architect
Electrical Installer	Hologram Designer	Landscape Architect
Carpenter	Journeyman Electrician	Surveyor
Apprentice Electrician	Machine Tool Operator	Auto Design Engineer
Automotive/Diesel Maintenance	Biomedical Equipment Technician	Airplane Pilot
Motorcycle Repair	Computer Support Specialist	Electrical Engineer
Parts Sales Person	Security System Designer	Optical Engineer
Heavy Equipment Operator		Astronomer
Roofer		CAD Specialist
Theater Set Construction		
Recommended Electives	Recommended Electives	Recommended Electives
Certified Welding	Information Technology	C++ Programming
Welding and Agricultural Mechanics	A+ IT Essentials	AP Computer Science A
Adv Welding and Project Fabrication	Laser Technology	Landscaping & Turf Mgt
Small Engine Technology	Photonics	Greenhouse Production
Computer Aided Design	Robotics 1	Principles of Engineering
Electronics	Interior Design 2	Civil Engineering and Architecture 2
Electronic Essentials	Civil Engineering and Architecture	Physics
Digital Media	Automotive Technology	AP Physics
Interior Design 1	Geospatial Technology	Honors Chemistry
Theater Technology/Technical Theater		AP Chemistry
Intro to the Construction Industry		Geospatial Analysis
Construction Technology		

Career Path: Natural Resources

Career Options: Agriculture and Animal Science

ENTRY LEVEL	SKILLED LEVEL	PROFESSIONAL LEVEL
Pesticide Applicator	Environmental Technician	Microbiologist
Tree Trimmer	Land Surveyor	Wildlife Biologist
Landfill Worker	Forest Manager	Environmental Scientist
Tree Farmer	Log Grader	Resource Economist
Fish Farmer	Greenhouse Production Owner	Conservation Agent
Logger	Soil Technician	Soil Scientist
Farm Implement Repairer	Landscaper	Food Scientist
		Landscape Architect
Recommended Electives	Recommended Electives	Recommended Electives
Advanced Horticulture	Landscaping & Turf Mgt	Animal & Veterinary Science
Small Engine Technology	Greenhouse Production	Advanced Animal Science
Digital Media	Laboratory Foundations	Computer Aided Design
Landscaping & Turf Mgt	Environmental Science	Civil Engineering and Architecture 2
Wildlife, Conservation & Forestry	Urban Conservation Issues	Geospatial Analysis
Welding Technology & Agriculture	Geospatial Technology	
Adv Welding & Project Fabrication	21 st Century Life Sciences	
Laboratory Exploration 101	Civil Engineering and Architecture	

Rock Bridge High School Course Offerings

AGRICULTURE [Career Path – Natural Resources]

Practical Arts Credit

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Number	Course Title	Credit	Grade
9005PA	Floral and Plant Design	1	10, 11, 12
9008PA	Advanced Horticulture	1	11, 12
9010PA	Landscaping and Turf Management	1	10, 11, 12
9018PA	Greenhouse Production	1	10, 11, 12
9021PA	Wildlife, Conservation, and Forestry	1	10, 11, 12
9022PA	Urban Conservation Issues	1	11, 12
9031PA	Small Engine Technology	1	10, 11, 12
9041PA	Welding Technology and Agriculture Mechanics	1	10, 11, 12
9042PA	Advanced Welding and Project Fabrication	2	11, 12
9060PA	Animal and Veterinary Science	1	10, 11, 12
9061PA	Advanced Animal Science (1 Science, 1 Practical Art)	2	11, 12

ART [Career Path – Fine Arts & Communication]

Fine Arts Credit

PAGE 22

Number	Course Title	Credit	Grade
8114FA	Art 1: Foundations	1	10, 11, 12
8115FA	Art Basics	1/2	10, 11, 12
8119FA	Photography 1	1	11, 12
8120FA	Photography 2	1	12
8128FA	Art 2: 3-D Design I: Ceramics, Sculpture, and Mixed Media	1	10, 11, 12
8132FA	Art 2: 3-D Design 2: Ceramics, Sculpture, and Mixed Media	1	11, 12
8133FA	Art 2: Studio Art	1	10, 11, 12
8135FA	AP Studio Art 1	1	11, 12
8136FA	AP Studio Art 2	1	12
8580FA	Humanities	1	10, 11, 12
9005PA	Floral and Plant Design (Practical Art Credit)	1	10, 11, 12
9125PAO	Web 2.0: Dynamic Apps in the Cloud (Practical Art Credit)	1/2	10, 11, 12
9130PA	Digital Media (Practical Art Credit)	1	10, 11, 12

BUSINESS/MARKETING/COMPUTER EDUCATION [Career Path – Business, Mgt. & Technology, Fine Arts & Communication]

Practical Arts Credit

PAGE 23

Number	Course Title	Credit	Grade
7105PA	Keyboarding	1/2	10, 11, 12
7210PA	MS Office 1	1/2	10, 11, 12
7215PA	MS Office 2	1/2	10, 11, 12
7220PA	Accounting 1	1	10, 11, 12
7240PF	Personal Finance	1/2	11, 12
7260PA	Personal & Business Law	1/2	10, 11, 12
7270PA	International Business	1/2	10, 11, 12
9301PA	Marketing	1	10, 11, 12
9304PA	Sports and Entertainment Marketing	1	11, 12
9305PA	Advertising and Promotion	1	11, 12
9307PA	Entrepreneurship	1	11, 12
9315PA	Marketing Store Management	1	11, 12
9125PAO	Web 2.0: Dynamic Apps in the Cloud (Practical Art Credit)	1/2	10, 11, 12
9130PA	Digital Media	1	10, 11, 12
9134PA	Graphic Design and Desktop Publishing	1	11, 12
9138PA	Digital Video and Motion Graphics	1	11, 12
9140PA	Web Design and Interactive Media	1	11, 12
9142PA	Web Scripting and Database Management	1	11, 12
9144PA	Leadership in Media Technology	1	11, 12
9145PA	Broadcast Journalism 1	1	10, 11, 12
9146PA	Broadcast Journalism 2	1	11, 12
9147PA	Broadcast Journalism 3	1	12
9148PA	Broadcast Journalism Internship	1	12
9161PA	C++ Programming	1	10, 11, 12
9162PA	Advanced C++ Programming	1	11, 12
9164PA	Accelerated C++ Programming	2	10, 11, 12
9163PA	Advanced Programming Projects	1	12
9165PA	AP Computer Science A	1	11, 12
9800PA	A+ IT Essentials	1	10, 11, 12
9811PA	Information Technology 1	2	11, 12
9812PA	Information Technology 2	2	12

Number	Course Title	Credit	Grade
1500NC	Dual Enrollment - MU	1/4, 1/2, 1	11, 12
1510NC	Dual Enrollment - Columbia College	1/4, 1/2, 1	11, 12
1520NC	Dual Enrollment - Stephens	1/4, 1/2, 1	11, 12
1530NC	Dual Enrollment - Moberly	1/4, 1/2, 1	11, 12

ELECTIVES

Elective Credit

PAGE 26

Number	Course Title	Credit	Grade
1429EL	Career Exploration	1/2	11, 12
1430ELO	Career Path Internship	1	12
1360EL	Advanced Seminar & Investigations	1/2 or 1	10, 11, 12
1370EL	EEE Internship	1/2 or 1	10, 11, 12
1610EL	Sport & Performance Psychology	1/2	10, 11, 12
1895EL	Sports Medicine	1/2	11, 12

ENGINEERING AND INDUSTRIAL TECHNOLOGY [Career Path – Industrial/Engineering Technology]

Practical Arts Credit

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Number	Course Title	Credit	Grade
9401PA	Automotive Technology 1	3	11, 12
9402PA	Automotive Technology 2	3	12
9451PA	Certified Welding 1	2	10, 11, 12
9452PA	Certified Welding 2	2	11, 12
9453PA	Certified Welding 3	2	11, 12
9500PA	Introduction to the Construction Industry	1	10, 11, 12
9501PA	Construction Technology 1	3	11, 12
9502PA	Construction Technology 2	3	12
9601PA	Computer Aided Design 1	2	10, 11, 12
9602PA	Computer Aided Design 2	2	11, 12
9606PA	3D Modeling and Animation	2	11, 12
9610PA	Civil Engineering and Architecture	2	10, 11, 12
9611PA	Civil Engineering and Architecture 2	2	11, 12
9621PA	Geospatial Technology	1	10, 11, 12
9622PA	Geospatial Analysis	1	11, 12
9700PA	Laser Technology	1	10, 11, 12
9701PA	Photonics 1	2	11, 12
9702PA	Photonics 2	2	12
9750PA	Electronic Essentials	1	10, 11, 12
9751PA	Electronics 1	2	10, 11, 12
9752PA	Electronics 2-Robotics 2	2	11, 12
9753PA	Electronics 3-Robotics 3	2	12
9756PA	Robotics 1	2	10, 11, 12

ENGLISH LANGUAGE LEARNERS

PAGE 29

Courses in this department will be assigned by the ELL building teachers.

FAMILY AND CONSUMER SCIENCES [Career Path – Human Services, Fine Arts & Communication]

Practical Arts Credit

PAGE 29

Number	Course Title	Credit	Grade
7500PA	Child Development	1/2	10, 11, 12
7505PA	Family Studies	1/2	10, 11, 12
7520PA	Teen and Social Issues	1/2	10, 11, 12
7535PA	Creative Cuisine 1	1/2	10, 11, 12
7537PA	Creative Cuisine 2	1/2	10, 11, 12
7540PA	Fashion, Fabric and Construction 1	1	10, 11, 12
7545PA	Fashion, Fabric and Construction 2	1	10, 11, 12
7560PA	Apparel Merchandising	1/2	10, 11, 12
7565PA	Interior Design 1	1/2	10, 11, 12
7570PA	Interior Design 2	1/2	10, 11, 12
9215PA	Teaching Professions	1	10, 11, 12
9216PA	Foundations of Teaching and Instruction	2	11, 12
9217PA	Teaching Professions Internship	2	12
9951PA	Culinary Arts 1	2	10, 11
9952PA	Culinary Arts 2	3	11, 12
9953PA	Baking and Pastry Arts	2	11, 12

HEALTH PROFESSIONS [Career Path – Human Services]

Practical Arts Credit

PAGE 30

Number	Course Title	Credit	Grade
9230PA	Introduction to Healthcare Professions	1	10, 11

9231PA	Introduction to Healthcare Professions - Honors	1	11, 12
9235PA	Professions in Healthcare	3	11, 12
9236PA	Professions in Healthcare-Honors	3	11, 12
9251PA	Laboratory Exploration 101 (1 Science or Practical Art)	1	10, 11, 12
9253PA	Laboratory Foundations PE Pharmaceutical and Environmental) (1 Science or Practical Art)	1	11, 12
9259PA	21 st Century Life Sciences MPA (Medical, Pharmaceutical And Agricultural) (1 Science or Practical Art)	1	11, 12
9260PA	Core Essentials of Fire Fighting and Public Safety	1	10, 11
9262PA	Emergency Medical Technician-Basic	1	12

HEALTH SCIENCE [Career Path – Health Services]

Health Science Credit

PAGE 32

Number	Course Title	Credit	Grade
6550HE	Health Science	1/2	12

LANGUAGE ARTS [Career Path – Human Services, Fine Arts & Communication]

Language Arts or English Credit

PAGE 32

Number	Course Title	Credit	Grade
0520NC	World Studies	1	10
0525NC	World Studies - Honors	1	10
0527NC	World Studies - Honors (AP World)	1	10
0530NC	U.S. Studies	1	11
0540NC	AP English Language and Composition/AP United States History	1	11
2350LA	Literacy Seminar	½ or 1	10, 11, 12
2450EN	Creative Writing	1/2	11, 12
2451EN	English 12: African-American Literature & Composition	1	12
2452EN	English 12: Contemporary Literature & Composition	1/2	12
2502EN	British Literature	1/2	11, 12
2600LA	Journalistic Writing	1	10, 11, 12
2601LA	Journalism Seminar Honors	1	11, 12
2602LA	Journalism: Yearbook	1	10, 11, 12
2603LA	Journalism: Newspaper	1	11, 12
2460EN	Popular American Culture	1	12
2501EN	Senior Literature, Composition and Research	1	12
2504EN	AP English Literature and Composition	1	12
2510EN	English 12: CACC: College Composition (3 college credits and 1 English credit)	1	12
2703LA	Public Speaking	1/2	10, 11, 12
2705LA	Debate 1	1	10, 11, 12
2706LA	Debate 2/3	1	11, 12

MATHEMATICS [Career Path – Industrial/Engineering Technology, Natural Resources, Business, Management & Technology, Health Services, Human Services]

Math Credit

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Number	Course Title	Credit	Grade
5617MA	Algebra 1	1	10
5651MA	Geometry	1	10, 11, 12
5655MA	Integrated Math 2	1	10, 11, 12
5710MA	Algebra 2	1	10, 11, 12
5720MA	Algebra 2 Honors	1	10, 11, 12
5722MA	Statistics	1	12
5725MA	Integrated Math 3	1	10, 11, 12
5727MA	Integrated Math 3 Honors	1	10, 11, 12
5705MA	Intermediate Algebra	1	10, 11
5730MA	Preparation for College Algebra	1	10, 11, 12
5735MA	College Algebra – Dual Credit	1	11, 12
5780MA	Pre-Calculus	1	10, 11, 12
5782MA	Pre-Calculus Honors	1	10, 11, 12
5785MA	Integrated Math 4	1	10, 11, 12
5787MA	Integrated Math 4 Honors	1	10, 11, 12
5905MA	AP Statistics	1	12
5910MA	AP Calculus AB	1	10, 11, 12
5920MA	AP Calculus BC	1	10, 11, 12
1525MA	CACC College Algebra (3 college credits & 1 h.s. math)	1	12

MUSIC [Career Path – Fine Arts & Communication]

Fine Arts Credit

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Number	Course Title	Credit	Grade
8340FA	Band	1	10, 11, 12
8342FA	Jazz Ensemble	1	10, 11, 12
8343FA	Jazz Band	1	10, 11, 12

8346FA	Color Guard (fall semester only)	1/2	10, 11, 12
8354FA	Orchestra	1	10, 11, 12
8370FA	Beginning Piano	1	10, 11, 12
8433FA	Women's Chamber Choir	1	10, 11, 12
8435FA	Concert Choir	1	10, 11, 12
8436FA	Chamber Choir	1	10, 11, 12
8440FA	Women's Show Choir - Satin and Lace	1/2	10, 11, 12
8442FA	Mixed Show Choir - City Lights	1/2	10, 11, 12
8450FA	Musical Theater/Production 1	1	10, 11, 12
8451FA	Musical Theater/Production 2	1	11, 12
8452FA	Musical Theater/Production 3	1	12
8511FA	Music Theory	1	10, 11, 12
8513FA	AP Music Theory	1	11, 12
8516FA	Music Basics	1/2	10, 11, 12
8515FA	Music/Film Analysis	1	10, 11, 12
8580FA	Humanities	1	10, 11, 12

PERFORMING ARTS [Career Path – Fine Arts & Communication]

Language Art or Fine Art Credit

PAGE 39

Number	Course Title	Credit	Grade
8216FA	Acting 1	1	10, 11, 12
8217FA	Acting 2/3	1	11, 12
8253FA	Children's Theater 1	1	10, 11, 12
8254FA	Children's Theater 2/3	1	11, 12
8255FA	Technical Theater 1	1	10, 11, 12
8256FA	Technical Theater 2/3	1	11, 12

PHYSICAL EDUCATION [Career Path – Health Services, Human Services]

Physical Education Credit

PAGE 40

Number	Course Title	Credit	Grade
1820PE1/1820PE2	Strength Training & Conditioning	1/2	10, 11, 12
1830PE1/1830PE2	Advanced Strength Training & Conditioning	1/2	10, 11, 12
1835PE1/1835PE2	Women's Strength Training and Fitness	1/2	10, 11, 12
1845PE1/1845PE2	Lifetime Sports	1/2	10, 11, 12
1850PE1/1850PE2	Men's Team Sports	1/2	10, 11, 12
1851PE1/1851PE2	Women's Team Sports	1/2	10, 11, 12
1855PE1/1855PE2	Women's Body Sculpting	1/2	10, 11, 12
1890PE1/1890PE2	Fitness Walking	1/2	10, 11, 12

SCIENCE [Career Path – Industrial /Engineering Technology, Natural Resources, Health Services, Human Services]

Science Credit

PAGE 40

Number	Course Title	Credit	Grade
Biological Science Credit			
6610BS	Biology	1	10, 11, 12
6611BS	Biology Honors	1	10, 11, 12
6613BS	Introduction to Exercise Science	1	11, 12
6616BS	Entomology	1/2	11, 12
6617BS	Zoology	1/2	11, 12
6620BS	AP Biology	1	11, 12
6621BS	Human Anatomy & Physiology	1	11, 12
6622BS	Human Anatomy & Physiology Honors	1	11, 12
Physical Science Credit			
6628PS	Geoscience	1	10, 11, 12
6629PS	Environmental Science	1	11, 12
6634PS	Chemistry in the Community (ChemCom)	1	10, 11, 12
6635PS	Chemistry	1	10, 11, 12
6636PS	Chemistry Honors	1	10, 11, 12
6637PS	AP Chemistry	1	11, 12
6639PS	Astronomy - Honors	1	11, 12
6640PS	Introduction to Astronomy	1/2	11, 12
6641PS	Introduction to Oceanography	1/2	11, 12
6645PS	Physics	1	11, 12
6648PS	AP Physics B	1	11, 12

SOCIAL STUDIES [Career Path – Human Services]]

Social Studies Credit

PAGE 42

Number	Course Title	Credit	Grade
4301GV	Government	1/2	12
0520NC	World Studies	1	10
0525NC	World Studies - Honors	1	10
0527NC	AP World Studies	1	10
0530NC	U.S. Studies	1	11
0540NC	AP United States History/AP English Language & Composition	1	11
4706SS1/	AP Government & Politics: Comparative/AP Government &		
4706SS2	Politics: United States	1	11, 12

4800SS/4804SS	World Geography/Contemporary Issues	1	10, 11, 12
4806SS	AP European History	1	10, 11, 12
4807SS	History of the Old West	1/2	11, 12
4811SS	Psychology	1/2	11, 12
4812SS	AP Psychology	1	11, 12
4813SS	Sociology	1/2	11, 12
4515SS	Popular American Culture	1	12

STUDENT VOLUNTEER CORPS

Elective Credit PAGE 43

Number	Course Title	Credit	Grade
1410AD/MEN	Sophomore Advisory/Senior Mentor	1	12
1410MEDIA	Media Center Student Assistant	1	11, 12
1410MT	RB Mentor/Tutor	1	11, 12
1410WBTUT	West Boulevard Tutoring – Stand By Me Mentor Program	1	11, 12
1410OFF	Office Assistant	1	11, 12
1410TA	Teacher Assistant	½ per year	11, 12

TECHNOLOGY EDUCATION Career Path – Industrial/Engineering Technology]

Practical Arts Credit PAGE 44

Number	Course Title	Credit	Grade
7730PA	Theater Technology 1	1	10, 11, 12
7685PA	Introduction to Architecture and Design	1/2	10, 11, 12

VIRTUAL INSTRUCTION COURSES

Credit Varies PAGE 44

Number	Course Title	Credit	Grade
1430ELO	Career Path Internship	1	12
2446LAO	Scientific Writing Online	1/2	11, 12
2447LAO	Critical Reading in a Digital World Online	1/2	10, 11, 12
2449LAO	Creative Writing in a Digital World Online	1/2	10, 11, 12
6550HEO	CPS Health Online	1/2	10, 11, 12
7216PAO	Elements of Game Design Online	1/2	10, 11, 12
7240PFO	Personal Finance Online	1/2	11, 12
7255PAO	My Own Business Online	1/2	10, 11, 12
7683PAO	Introduction to Architecture Online	1/2	10, 11, 12
9125PAO	Web 2.0: Dynamic Apps in the Cloud Online	1/2	10, 11, 12
9130PAO	Digital Media Online	1	10, 11, 12
9161PAO	C++ Programming Online	1	10, 11, 12

WORLD LANGUAGES [Career Path – Human Services, Fine Arts & Communication]

Elective Credit PAGE 46

Number	Course Title	Credit	Grade
3020FL	French 1	1	10, 11, 12
3030FL	French 2	1	10, 11, 12
3040FL	French 3	1	10, 11, 12
3060FL	French 4/5: Survey of Civilization	1	11, 12
3080FL	AP French Language	1	12
3100FL	German 1	1	10, 11, 12
3110FL	German 2	1	10, 11, 12
3120FL	German 3	1	10, 11, 12
3130FL	German 4	1	11, 12
3140FL	AP German Language	1	12
3200FL	Japanese 1	1	10, 11, 12
3210FL	Japanese 2	1	10, 11, 12
3220FL	Japanese 3	1	10, 11, 12
3230FL	Japanese 4	1	11, 12
3240FL	Japanese 5	1	11, 12
3400FL	Latin 1	1	10, 11, 12
3410FL	Latin 2	1	10, 11, 12
3430FL	Latin 4: Poetry	1	10, 11, 12
3440FL	Latin 5: Advanced Literature	1	11, 12
3445FL	Latin 5 Honors: Advanced Literature	1	11, 12
3450FL	AP Latin: Vergil	1	11, 12
3530FL	Spanish 1	1	10, 11, 12
3535FL	Spanish 2	1	10, 11, 12
3550FL	Spanish 3	1	10, 11, 12
3560FL	Spanish 4	1	11, 12
3580FL	AP Spanish Language	1	12
3610LA	Introduction to Mythology	1/2	10, 11, 12
3615LA	Classical Roots	1/2	10, 11, 12

AGRICULTURE

9005PA Floral And Plant Design

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Students will learn to make floral arrangements in a variety of design styles: holiday designs, corsages and boutonnieres, and more using fresh, silk, and dried plant material. Students will participate in plant and flower sales throughout the year. Students should be free from plant allergies since work will be done with a variety of plant materials when designing and in the greenhouse.

Follow-up: Advanced Horticulture

9008PA Advanced Horticulture

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: C or better average in one of the following: Floral and Plant Design, Greenhouse Production, or Landscaping and Turf Management

The Horticulture industry is the fastest growing sector in the Agriculture industry. If you have a green thumb and love working in the great outdoors, Advanced Horticulture is for you! Pick your passion and you'll learn how to run a business in landscape design, floral and plant design or greenhouse production. Add some marketing and sales savvy and learn how to grow your business.

9010PA Landscaping and Turf Management

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Articulated college credit available

Dual credit is available with University of Central Missouri

Explore the exciting careers relating to landscaping industry as you study plant science, plant identification, landscape design, installation and maintenance, and turf management. Learn how to plant and care for landscaping plants, how to plant lawn grasses, lay sod, and care for a lawn. Students will gain entry level Computer Aided Design (CAD) skills and install landscape plants in a variety of settings.

Follow-up: Advanced Horticulture

9018PA Greenhouse Production

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Articulated college credit available

Dual credit is available with University of Central Missouri

Students will grow and care for tropicals, floral crops, and bedding plants with an environmentally friendly emphasis. This course includes plant identification, greenhouse environments, greenhouse structures, and propagation. Biological and organic methods of pest control will be emphasized. Composting and other eco-friendly methods will be implemented. Aquaponics (raising fish and plants in a liquid medium) will be studied in collaboration with Culinary Arts and Conservation courses.

Follow-up: Advanced Horticulture

9021PA Wildlife, Conservation, and Forestry

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Articulated college credit available

Dual credit is available with Missouri State University

Students interested in pursuing careers in wildlife management, conservation, natural resources, and forestry will explore the career scopes and responsibilities of conservation officers, extension agents, foresters, and others. Students will also learn about Missouri species from the elusive bobcat to the invasive zebra mussel while studying soil and water conservation, wildlife habitat management, and native grasses and forest regeneration. Students will be encouraged to join and participate in the Columbia FFA Chapter.

Follow-up: Urban Conservation Issues; Animal and Veterinary Science; Lab Exploration 101

9022PA Urban Conservation Issues

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: C or better average in either Wildlife, Conversation, and Forestry or Environmental Science

Dual credit is available with Missouri State University

This advanced level course will combine the principles learned in the introduction class to investigate current issues. These include the effects of recreational activities on our environment, maintaining biodiversity with the expansion of urban areas, and developing strategies for managing wildlife in non-rural areas. Students will be encouraged to join and participate in the Columbia FFA Chapter.

9031PA Small Engine Technology

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None to enter; must pass qualifying exam to continue second semester

Learn to trouble-shoot the machinery owned by literally hundreds of millions of American home and business owners as you explore carburetion, ignition, basic engine principles, and overhaul procedures. With primary focus on 4-cycle engines, students who successfully complete the tool and engine component examination and earn a passing grade first semester will be eligible to complete a year of instruction. Students will be encouraged to join and participate in the Columbia FFA Chapter.

Follow-up: Automotive Technology 1; Electronics

9041PA Welding Technology and Agriculture Mechanics

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Articulated college credit available

Open the doors to diversified careers by learning the skills of arc and MIG welding, and acetylene cutting, and enhance future employability by knowing the essentials of hot and cold metalworking, woodworking, and power tool operation. Work with paints, sketch and draw plans while preparing to construct basic projects in wood and metal. Attaining these skills is the basis for employment in welding, auto body repair, and steel fabrication as well as for jobs in equipment manufacturing and sales. This is a prerequisite course for Advanced Welding and Project Fabrication. Students will be encouraged to join and participate in the Columbia FFA chapter.

Follow-up: Advanced Welding and Project Fabrication;

Automotive Technology; Construction Technology

9042PA Advanced Welding and Project Fabrication

Grade Level: 11, 12 Credit: 2 Type: Practical Art

Prerequisite: B or better average in Welding Technology or Introductory Welding and Agricultural Mechanics and a performance assessment may be required

Articulated college credit available

Advanced Welding and Project Fabrication will allow students to further enhance arc and MIG skills. Students will also design and construct major metal projects such as trailers. The fabrication part of the course will start with group projects to familiarize students with the "real" world setting. Students will be required to design and draw plans before construction of projects occur. Because safety is a shop priority, students will be required to wear clothing and shoes used in industry. Welding helmets, gloves and safety glasses will be issued at the beginning of the school year. Students will be encouraged to join and participate in the Columbia FFA Chapter.

Follow-up: Construction Technology; Certified Welding;

Automotive Technology

9060PA Animal and Veterinary Science

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

With a focus on care and production of animals, large and small, this course examines careers related to the care and breeding of domesticated animals; veterinarian, farm manager, livestock buyer, horse trainer, veterinarian technician, and more. Units of study include, breeds, reproduction, nutrition, genetics, poultry, and horses, as well as agricultural and livestock record keeping, agricultural leadership, and more. Each student will

receive training in basic record keeping. Students will be encouraged to join and participate in the Columbia FFA Chapter. *Follow-up: Advanced Animal Science; Introduction to Healthcare Professions; Professions in Healthcare; Wildlife, Conservation, and Forestry; Laboratory Exploration 101*

9061PA Advanced Animal Science

Grade Level: 11, 12 Credit: 2 Type: Practical Art and 1 Science

Prerequisite: B or better average in Animal and Veterinary Science and 80% mastery on Career Center Expectations Articulated college credit available

Dual credit is available with University of Central Missouri

Students ready to build upon what they learned in Animal and Veterinary Science will be instructed on symptoms and treatments of diseases, the particulars of parturition and selection, and livestock management and judging. Units on food science will cover identification, grading, judging, cutting, and curing, of meat. In addition, students will study poultry, cattle, and other domestic animals, large and small, as well as some indigenous wild animals. There will be some emphasis on agricultural records, ensuring that all students are trained in the basics. Students will be encouraged to join Columbia FFA Chapter and learn about organizational leadership.

Follow-up: Laboratory Foundations; 21st Century Life Sciences; Introduction to Healthcare Professions; Introduction to Healthcare Professions-Honors; and Professions in Healthcare

ART

8114FA Art 1: Foundations

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: For the student who has not earned 1 credit of art.

This class has a strong studio emphasis with opportunities to explore a wide variety of two and three-dimensional media! Foundations is designed to introduce students with little or no experience to drawing, painting, mixed-media, printmaking, design, ceramics and sculpture. We take a peek at art history and learn how all artists are risk-takers and meaning-makers! Foundations of Art prepares the emerging young artist to be eligible to take a wide variety of upper level art classes.

8115FA Art Basics

Grade Level: 10, 11, 12 Credit: 1/2 Type: Fine Art

Prerequisite: None

This semester class is designed as a way for students to investigate and express their individual identity through producing and experiencing art. Most projects will incorporate aspects of student's lives (stories, memories, and world views) as a jumping off point for artwork. Students have the opportunity to create 2D and 3D works using a range of media. Designed for beginning students, this class does not fulfill the prerequisite for any advanced visual arts course. When paired with a semester of Music Basics, it fulfills the fine art credit.

8119FA Photography 1

Grade Level: 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Foundations of Art (Intro to Art) Grade of B or better or Instructor's permission

Students learn to use a 35 mm manual camera, to develop film, to make black and white prints in the darkroom and to think creatively about subject matter and composition. We will study fine art photography, photojournalism, photo history and second semester work with the digital camera and Photoshop. In addition to darkroom work, class critiques and discussions, students keep a photography journal and produce powerpoints. During the second semester, we will look at contemporary photography and produce pieces that integrate mixed media with photography. Because photography is very time-intensive, students should expect to spend AUT time in the darkroom and studio. See Mr. Flinchpaugh for expectations contract.

8120FA Photography 2

Grade Level: 12 Credit: 1 Type: Fine Art

Prerequisite: Photography 1 Grade of B or better

This course is designed to strengthen craftsmanship, composition, and conceptualization skills developed in

Photography 1. It adds new techniques to students' repertoires and provides a look at the work of specific photographers. Students considering a career in photography may work on developing a portfolio.

8128FA Art 2: 3-D Design I: Ceramics, Sculpture, and Mixed Media

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Foundations of Art (Intro to Art) Grade of B or better

This course is an introduction to three dimensional (3D) form and space. In this course students will work with a variety of building materials with an emphasis on clay. Ceramics focuses on hand-building and using surface decoration with some exposure to the potter's wheel. Students will create sculptural objects and useable pieces. Students will also be exposed to a variety of three dimensional techniques and work with materials such as metal, wood, plaster, and found objects. Additional work outside of class is a required expectation.

8132FA Art 2: 3-D Design 2: Ceramics, Sculpture, and Mixed Media

Grade Level: 11, 12 Credit: 1 Type: Fine Art

Prerequisite: 3D Design I Grade of B or better

This course builds upon the 3D experience gained in 3-D Design I. It offers deeper exposure to a variety of materials and concepts in sculpture. Students create sculptures in clay, wood, fiber, metals, mixed media, and found objects in both realistic and abstract styles.

8133FA Art 2: Studio Art

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Foundations of Art (Intro to Art) Grade of B or better

This is the class that prepares students for Advanced Placement Art! Studio Art is designed to give emerging artists the opportunity to explore a wide range of media and techniques. Emphasis is given on creative problem solving as well as the development of technical drawing and painting skills. Students are guided in developing content-rich ideas that explore personal identity and how art connects us to our local and global community.

8135FA AP Studio Art 1

Grade Level: 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Studio Art (Grade of B+ or better) or instructor's permission

AP Art I is a rigorous, college-level course that encourages the investigation of formal and conceptual issues. This studio experience treats art as an on-going process that involves the artist in informed and critical decision making. Emphasis is given to breadth of production, the exploration of a wide variety of styles, media and techniques, and the ability to express and create meaning through compelling visual images. This course may be taken alone or in conjunction with AP Art 2 and requires significant time outside of class. The completion of both courses gives artists a portfolio of 24 pieces and the opportunity to submit for AP college credit.

8136FA AP Studio Art 2

Grade Level: 12 Credit: 1 Type: Fine Art

Prerequisite: AP Studio Art 1 Grade of B+ or better

In AP Art 2, the artist is guided through the process of selecting an enduring idea or theme and of developing the concept in a highly original way through explorations of a personal marking system, approach to color, and new ways of combining unexpected materials. AP artists are taught how to interpret and create images that guide them to glean insight into their own lives and the lives of others. The completion of this concentration of 12 pieces completes the portfolio and allows the artist to submit for AP college credit. Considerable time outside of class is expected and there are numerous opportunities to exhibit in student and professional shows.

8580FA Humanities

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: None

Humanities is a wise choice for students interested in a wide spectrum of fine arts offered in one curriculum. In this course

students will study painting, sculpture, music, drama, architecture and world religions, areas that provide a better understanding of self as well as many cultures both past and present. Understanding of the arts and religion will be enhanced through several field trips. While Humanities is especially valuable as college preparation, it can also be an excellent preparation for a lifetime appreciation of the arts.

9005PA Floral And Plant Design

NOTE: This is a Practical Art Credit—NOT a Fine Art Credit

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Students will learn to make floral arrangements in a variety of design styles: holiday designs, corsages and boutonnieres, and more using fresh, silk, and dried plant material. Students will participate in plant and flower sales throughout the year. Students should be free from plant allergies since work will be done with a variety of plant materials when designing and in the greenhouse.

Follow-up: Advanced Horticulture

9125PAO Web 2.0: Dynamic Apps in the Cloud

NOTE: This is a Practical Art Credit—NOT a Fine Art Credit

Prerequisite: None

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art

See Virtual Instruction Courses section for complete description.

9130PA Digital Media

NOTE: This is a Practical Art Credit—NOT a Fine Art Credit

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Articulated college credit available

Dual credit is available with University of Missouri-Kansas City or Stephens College

In this fast-paced course, you will work with complex software to create digital collages and scrapbook pages in Photoshop; create logos and original vector art in Illustrator; combine audio, image and video files into documentary and music videos using Audacity and Premiere, and code web pages with HTML. It is expected that students be able to type 30 words per minute, have strong file management skills and be able to follow multi-step directions. This course requires students to memorize commands and determine when to apply these in unit projects. An online section will also be available, ask your counselor about details.

Follow-up: Digital Video and Motion Graphics; Graphic Design and Desktop Publishing; Web Design and Interactive Media; Web Scripting and Database Management; Computer Aided Design

BUSINESS/MARKETING/COMPUTER EDUCATION

7105PA Keyboarding

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art

Prerequisite: None; no keyboarding skills, does not type by touch method, or keying less than 30 words a minute

Follow-up Class(es): Any Business and Marketing class where prerequisites are met

Keyboarding is like a sport – the more you practice, the better you get. Improve your stats with this class. While striving to improve technique, speed, and accuracy, you will also be introduced to word processing, spreadsheets, electronic presentations and more. With these skills, you'll become a MVP in the classroom and be on the road to becoming a pro. ***This course is designed for students who type less than 30 wpm. Students exceeding 30 wpm SHOULD enroll in MS Office 1 not Keyboarding.***

7210PA MS Office 1

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art

Prerequisite: Keyboarding or Proficient touch keyboarding skill; 30 words per minute minimum

Follow-up Class(es): Any Business and Marketing class where prerequisites are met

Jump-start your high school career. Kick out those English papers in a flash using Microsoft Word, power through those presentations using PowerPoint, muscle through math and science projects by crunching numbers and graphing like a pro with Excel, and knock those web pages and brochures out of the park with Microsoft Publisher. Take your keyboarding skills to the next level as you build speed and endurance. ***Students who can accurately keyboard a minimum of 30 wpm using the touch method SHOULD enroll in this course rather than Keyboarding.***

7215PA MS Office 2

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art

Prerequisite: Keyboarding & Introduction to MS Office or MS Office 1

Follow-up Class(es): Any Business and Marketing class where prerequisites are met

Showcase your mad computer skills! Solve real-world business problems! Buff up your design skills! Use what you've learned in MS Office 1 and kick it up a notch to solve both business and school problems; create documents, presentations, publications, spreadsheets, charts, and databases. Create an impressive professional portfolio that will wow both your teachers and future employers.

7220PA Accounting 1

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: C or better in Integrated Math 1 or Algebra 1

Follow-up Class(es): Any Business and Marketing class where prerequisites are met

The future of accounting is bright according to the Bureau of Labor Statistics which projects a 34% increase in job openings. Students who plan to major in any field of business in college will have several accounting classes in their degree program. Accounting and finance are core business functions vital to a company's success in any economic environment. Organizations place a premium on employees who can identify cost efficiencies and develop long-range business strategies. Students will learn to plan, summarize, analyze, and interpret financial information. The study of accounting will also prepare students for employment, assist them in keeping personal records, and form a basis for future experiences in finance. Spreadsheet software will be used to produce financial reports.

7240PF Personal Finance

Grade Level: 11, 12 Credit: 1/2 Type: Practical Art

Prerequisite: None

Follow-up Class(es): Any Business and Marketing class where prerequisites are met

Dual credit is available with University of Missouri-Kansas City

This course will help students learn how to manage their money. They will learn how to make proper financial decisions, prepare a budget, understand tax liabilities, evaluate insurance, explore investment options, and promote intelligent spending, saving, and use of credit. In addition students will analyze how career choice, education, skills and economic conditions affect income and their financial decisions. This course will focus on the state mandated competencies of income, money management, spending and credit, and saving and investing.

7260PA Personal & Business Law

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art

Prerequisite: None

Follow-up Class(es): Any Business and Marketing class where prerequisites are met

You will find this course enjoyable, interesting, and practical. This course is designed to introduce you to laws and issues which may affect you in your personal and professional life. You will gain an appreciation of rights and duties of citizens, consumers, workers, and business owners. Personal and Business Law piques student interest in the legal system and the basics of law, elements of contracts, consumer law, personal and employment law.

7270PA International Business

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art

*Prerequisite: None**Follow-up Class(es): Any Business and Marketing class where prerequisites are met*

This course is designed to introduce students to the global functions of business and the marketplace. Areas of study include: careers, work environments and structures, social and cultural factors, marketing, economics, finance, trade/import/export practices, and international trade laws and regulations. Students will have an opportunity to explore national concerns as well as community concerns. Computer skills and knowledge of a foreign language will add to the student's growth through this course.

9301PA Marketing

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Two of the fastest growing fields are marketing and sales, according to the US Department of Labor. To learn principles, skills, and attitudes essential to marketing, students work with a comprehensive set of concepts and problems. We focus on fundamentals of marketing, advertising, human relations, economics, and communications. We also study product development, sales promotion, packaging, and distribution. Marketing is a must for anyone thinking about a career in business!

*Follow-up: Entrepreneurship; Sports and Entertainment Marketing; Advertising and Promotion; Digital Media***9304PA Sports and Entertainment Marketing**

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: B or better average in Marketing

Look behind the scenes of a multi-billion dollar industry and learn about the business side of sports and entertainment marketing. Examine athletic endorsements, event sponsorships, product development, licensing, sales, promotion, event planning, and careers in sports and entertainment marketing.

*Follow-up: Entrepreneurship; Advertising and Promotion***9305PA Advertising and Promotion**

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: B or better average in Marketing

Discover how advertising and promotions affect consumers and influence the marketing process. Learn the creative side of advertising and promotional development. Analyze all facets of advertising and sales promotion and learn the psychology of the promotional channels including advertising (TV, print, radio, outdoor, etc.), sales promotion, public relations, and publicity.

*Follow-up: Entrepreneurship, Sports and Entertainment Marketing***9307PA Entrepreneurship**

Grade Level: 11, 12 Credit: 1 Type: Practical Art

*Prerequisite: None**Dual credit is available with Central Methodist University, University of Missouri-Kansas City or Linn State Technical College*

Work for yourself! Write a business plan for a business that you open, manage, and grow. You'll learn about entrepreneurship, leadership and management in this class as well as the legal environment of small business, market research, management functions, and staff development. This class is a must for business and marketing students.

*Follow-up: Marketing; Sports and Entertainment Marketing; Advertising and Promotion***9315PA Marketing Store Management**

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: B or better both semesters in Marketing or Business Management class AND teacher approval.

Put your leadership and management skills to work in the school store! Work in a school-based business and gain the skills you need for your retail future. Units covered include: cash register operations, customer service, inventory control, pricing, product management, stocking and receiving, and purchasing.

9125PAO Web 2.0: Dynamic Apps in the Cloud**NOTE: This is a Practical Art Credit—NOT a Fine Art Credit***Prerequisite: None*

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art

See Virtual Instruction Courses section for complete description.

9130PA Digital Media

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

*Prerequisite: None**Articulated college credit available**Dual credit is available with University of Missouri-Kansas City or Stephens College*

See the Art section for a complete description.

9134PA Graphic Design and Desktop Publishing

Grade Level: 11, 12 Credit: 1 Type: Practical Art

*Prerequisite: B- or better average in Digital Media**Articulated college credit available**Dual credit is available with University of Missouri-Kansas City or Linn State Technical College*

Interested in print media? Challenge your creativity. Incorporate typography and design principles into visual communications. Design real world projects such as logos, magazine covers, and business sets. Submit poster entries into local and national poster competitions. You'll use InDesign (for page layout and design), master advanced Adobe PhotoShop techniques, and create vector art using Adobe Illustrator, the required tools of professional graphic designers.

*Follow-up: Digital Video and Motion Graphics, Web Design and Interactive Media; Web Scripting and Database Management; Computer Aided Design; Entrepreneurship; Marketing; Leadership in Media Technology***9138PA Digital Video and Motion Graphics**

Grade Level: 11, 12 Credit: 1 Type: Practical Art

*Prerequisite: B- or better average in Digital Media**Articulated college credit available**Dual credit is available with University of Missouri-Kansas City or Stephens College*

Plan and produce a short film! Render the special effects in a movie trailer! Use professional techniques to encode onto a DVD. Work with cutting edge hardware and software to bring your ideas to life. Use Adobe Photoshop, Premiere Pro, After Effects, Encore, and Soundbooth to create movie trailers, commercials, short films and more—just as studio professionals do.

*Follow-up: Graphic Design and Desktop Publishing; Web Design and Interactive Media; Web Scripting and Database Management; Computer Aided Design; Marketing; Leadership in Media Technology***9140PA Web Design and Interactive Media**

Grade Level: 11, 12 Credit: 1 Type: Practical Art

*Prerequisite: B- or better average in Digital Media**Articulated college credit available**Dual credit is available with University of Missouri-Kansas City, Central Methodist University or Linn State Technical College*

Become a master of web page design. Use XHTML, CSS, AJAX, Adobe Photoshop, Dreamweaver and Flash to design and create interactive animations and web sites. Use Cascading Style Sheets to create the perfect web site and publish your site to the web.

*Follow-up: Graphic Design and Desktop Publishing; Digital Video and Motion Graphics; Entrepreneurship; Marketing; Leadership in Media Technology; Web Scripting and Database Management***9142PA Web Scripting and Database Management**

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: B- or better average in Digital Media or C++ Programming

Learn the dynamic side of web sites. Use JavaScript, PHP, MySQL, Microsoft Access, ColdFusion, ActionScript, and Dreamweaver to create database driven web sites. Learn how to create content management systems that allow dynamic updates and changes to web sites.

Follow-up: Digital Video and Motion Graphics; Graphic Design and Desktop Publishing; Web Design and Interactive Media

9144PA Leadership in Media Technology

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: Interview with instructor

Students help maintain the career center's web site as well as produce a variety of other digital media: newsletters, videos, etc. Working as a team and using various tools to complete projects, students meet with clients for content and feedback. This class is for responsible Digital Media students who have been approved by an instructor through an interview.

Follow-up: Digital Video and Motion Graphics; Graphic Design and Desktop Publishing; Web Design and Interactive Media

9145PA Broadcast Journalism 1

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: B or better average in English 9 or above

Dual credit is available with University of Missouri-Kansas City

In an introduction to Broadcast Journalism (TV news), students will explore the history of journalism, the role of journalists, current events, news production elements and learn techniques to prepare for continuing education and/or a career in Broadcast Journalism. Students will learn to produce a news show, which includes story development, script writing, videography, and computer editing. Students eventually will be reporting for the school news show, CPS-360.

Follow-up: Broadcast Journalism 2, 3, or Internship

9146PA Broadcast Journalism 2

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: B or better average in Broadcast Journalism 1

You will continue to produce the school news show, write stories for it, as well as produce special projects. Special projects include the senior video yearbook and specialty shows and programs (homecoming, winter concert, etc.). This class requires outside work time, often during lunch and after school and/or early evenings. You will also have the option to attend journalism conventions, workshops and field trips.

Follow-up: Broadcast Journalism 3 or Internship

9147PA Broadcast Journalism 3

Grade Level: 12 Credit: 1 Type: Practical Art

Prerequisite: B or better average in Broadcast Journalism 2

You will take a leadership role in Broadcast Journalism as a Producer or Special Projects Producer. You would be responsible for the overall production of the school news show as well as covering district news stories, events and productions. Many of these stories require after school and/or weekend commitments.

9148PA Broadcast Journalism Internship

Grade Level: 12 Credit: 1 Type: Practical Art

Prerequisite: B or better average in Broadcast Journalism 2; application and instructor approval

This is an excellent opportunity for you to get your foot in the door at a local news organization (KOMU, KMIZ, KRCG, etc.). You will report and communicate with the Broadcast Journalism teacher for schedule and assignment updates, but will spend most of your time (4 hours a week) at a local news organization.

9161PA C++ Programming

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: Keyboarding skills; C or better average in Geometry or Integrated Math 2

Articulated college credit available

Dual credit is available with University of Missouri-Kansas City

Have you ever heard of Adobe Photoshop, Google or Mozilla Firefox? They have one thing in common—they are developed in the C++ programming language. As one of the most popular programming languages ever created, C++ is widely used for both scientific and business applications. This class introduces you to elementary algorithms and basic programming so that you can design and implement a variety of computer-based solutions. You will create a zero player game first semester and build more visual interactive programs by the end of the year. An online section will also be available.

Follow-up: Advanced C++ Programming; AP Computer Science A; Electronics; Information Technology 1

9162PA Advanced C++ Programming

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: C or better average in C++ Programming

Articulated college credit available

Dual credit is available with University of Missouri-Kansas City or Central Methodist University

Once you've successfully completed C++, you're ready to step up your skill set and develop a deeper understanding of the language and learn advanced techniques. You'll develop, select and implement algorithms and data structures to produce more complex programs. A focus on teamwork and abstract thinking allows students to cover bigger projects in shorter time. Students will develop real-world simulators such as an ATM and an elevator. Teams will work on system design such as desktop application software.

Follow-up: Advanced Programming Projects; A+ IT Essentials; Electronics; Robotics; Information Technology 1; Computer Aided Design

9164PA Accelerated C++ Programming

Grade Level: 10, 11, 12 Credit: 2 Type: Practical Art

Prerequisite: Keyboarding skills; C or better average in Geometry or Integrated Math 2

Articulated college credit available

Dual credit is available with University of Missouri-Kansas City or Central Methodist University

If you're up for the challenge, you can complete beginning and advanced C++ programming in one school year. This fast paced course meets 90 minutes daily and prepares you to tackle the problem solving skills necessary for successful programming. A first semester grade of C or better is required to advance to the second semester.

Follow-up: Advanced Programming Projects; A+ IT Essentials; Electronics; Robotics; Information Technology 1; Computer Aided Design

9163PA Advanced Programming Projects

Grade Level: 12 Credit: 1 Type: Practical Art

Prerequisite: C or better average in Advanced C++, Accelerated C++, or AP Computer Science A; instructor approval

Computer science is not a spectator sport! If you're a motivated student, you'll learn much more from actually solving problems, designing advanced algorithms and coding programs. Not only will students work in teams to design and develop, they will need to present to audiences of various technical skill levels. Projects will include a divergent section of topics such as developing web based applications, mobile device applications, simulators and desktop applications. While the primary teaching language is C++, new languages will also be explored.

Follow-up: Electronics; Robotics; Information Technology 1; A+ IT Essentials; Computer Aided Design

9165PA Advanced Placement Computer Science A

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: C or better average in Algebra 2 or Integrated Math 3

Articulated college credit available

The goal of this class is to prepare students for the Advanced Placement in Computer Science Exam. In this fast-paced course students will learn to design and implement computer-based solutions to problems in a variety of application areas; develop, select, and implement algorithms and data structures to solve problems; code fluently in an object-oriented paradigm using Java; identify major hardware and software components and their relationships; and recognize the ethical and social implications of computer use. This course is writing intensive; students should enter with strong written communication and analytical skills.

Follow-up: Advanced Programming Projects; Advanced C++ Programming; Information Technology 1; Electronics; Computer Aided Design

9800PA A+ IT Essentials

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Articulated college credit available

Dual credit is available with University of Central Missouri, Moberly Area Community College or Linn State Technical College

The explosion of computer use has created a high demand for computer support professionals to provide technical assistance, support and advice to users. Take advantage of this tremendous opportunity and get in-depth exposure to computer hardware and operating systems. You'll actually assemble and configure a computer, install operating systems and software and troubleshoot hardware and software problems. This course helps prepare you for the CompTIA A+ Certification exam which validates the latest skills needed by today's computer support professionals.

Follow-up: Information Technology 1; C++ Programming; Electronics; Robotics

9811PA Information Technology 1

Grade Level: 11, 12 Credit: 2 Type: Practical Art

Prerequisite: None

Articulated college credit available

Dual credit is available with University of Central Missouri, Moberly Area Community College or Linn State Technical College

Information Technology is IT! Simply put, IT is the use of computers and software to manage information. Your introduction to the fundamentals of networking concepts and technologies will prepare you for exciting hands-on experiences that will add to your tech skills toolbox. Areas of study include: OSI model, TCP/IP model, MAC and IP addressing, cable installation, and basic LAN equipment setup. Because a solid education and specific specialty certifications is the best way to progress in an information technology career, this course prepares students for the Cisco CCENT (Certified Entry Networking Technician). What a great starting point for a successful career in information technology!

Follow-up: Information Technology 2; C++ Programming; A+ IT Essentials; Electronics 1; Robotics 1

9812PA Information Technology 2

Grade Level: 12 Credit: 2 Type: Practical Art

Prerequisite: C or better average in Information Technology 1

Articulated college credit available

Dual credit is available with University of Central Missouri or Moberly Area Community College

Step IT up! You're ready to move from the fundamentals to advanced applications and services. Using the top-down approach to networking, you'll master the concepts and skills required to design networks. You'll have plenty of opportunities for practical applications installing, operating and maintaining networks. Focusing on accessing the Wide Area Network gives students the skills necessary to be qualified as network technicians, network administrators and network engineers. Areas of study include LAN Switching, VLANs, Wireless, WANs, VoIP, ACLs, and NAT. This course prepares students for the Cisco CCNA (Cisco Certified Network Associate) certification. CCNA validates your ability to install, configure, operate, and troubleshoot medium-sized routed and switched networks, including implementation and verification of connections to remote sites in a WAN.

DUAL ENROLLMENT

1500NC Dual Enrollment – MU

1510NC Dual Enrollment - Columbia College

1520NC Dual Enrollment - Stephens

1530NC Dual Enrollment - Moberly

Grade Level: 11, 12 Credit: 1/4, 1/2, 1 Type: Dual Credit

Prerequisite: None

Students with junior or senior standing may apply to take courses at Columbia College, Stephens College, UMC or Moberly and earn both high school and college credit. Students must be carrying a college preparatory course of study with a minimum GPA of 2.5. Each five-hour course will carry 1 high school credit.

Each three-hour course will carry 1/2 high school credit. Each two-hour course will carry 1/4 high school credit. Applications are available in the guidance office. Applicants will be screened and final determination of acceptability will be through the admissions office of the college. Students are responsible for the fees charged by the colleges

ELECTIVES

1429EL Career Exploration

Grade Level: 11, 12 Credit: 1/2 Type: Elective

Prerequisite: None

Follow-up: Career Path Internship

What do you want to be when you grow up? What are you going to do after graduation? Where do you picture yourself in ten years? This class is designed to help students discover the answers to questions like these. This class will help students better consider a holistic perspective to career development and understand how personal history, characteristics, and values can impact work life. Throughout this semester-long, online course, students will participate in class discussion, complete assignments, and do research in order learn about and develop the skills necessary to make informed and satisfying college and career decisions that are in sync with their individual personality and goals. **Students enrolling in this course should be self-motivated and responsible with excellent time management and organizational skills. Access to a computer is also required.**

1430ELO Career Path Internship

Grade Level: 12 Credit: 1 Type: Elective

See Virtual Instruction Courses section for complete description.

1360EL Advanced Seminar & Investigations

Grade Level: 10, 11, 12 Credit: 1/2 or 1 Type: Elective

Prerequisite: Students must obtain instructor approval or meet criteria for participation in EEE

This is a semester or yearlong seminar examining advanced topics in multiple disciplines and providing opportunities for service learning and college/career planning. The course is adapted to meet the individual needs and interests of the students.

1370EL EEE Internship

Grade Level: 10, 11, 12 Credit: 1/2 or 1 Type: Elective

Prerequisite: Students must obtain instructor approval or meet criteria for participation in EEE

This semester or yearlong guided independent study allows students to undertake an outside internship in an academic or professional field. Students are required to attend periodic conferences with the course instructor as well as a small number of group activities. They showcase their work at a final presentation fair.

1610EL Sport & Performance Psychology

Grade Level: 10, 11, 12 Credit: 1/2 Type: Elective

Prerequisite: None

Athletics and non-athletic performance in many areas is affected by how you think and what you think. This course explores the mental and emotional psychological factors that affect performance. The students will learn tools they can directly apply to their own performance to achieve excellence in their sport or activity. The course curriculum will include Mental Toughness, Dealing with Anxiety and Pressure, getting Psyched Up, mental Conditioning, Motivation, Visualization, and Imagery, Relaxation, Goal Setting, Avoiding Choking, Attitude, Positive Thinking, Focus, and Leadership. If you want to be at your best this course will help you get there.

1895EL Sports Medicine

Grade Level: 11, 12 Credit: 1/2 Type: Elective

Prerequisite: Biology

This course will meet during either semester and will examine the many aspects related to athletic injuries. It begins by establishing the role of an athletic trainer and the entire sports

medicine team at all levels of competition. The course identifies all types of athletic injuries and emphasizes the proper care and treatment of these injuries. It also discusses ways to prevent injuries in sports, as well as methods of rehabilitation once an injury has occurred. Students will learn first aid procedures for the critically injured athlete and taping techniques for the various athletic injuries. The class will utilize both lecture and practice labs to learn these sports medicine skills.

ENGINEERING AND INDUSTRIAL TECHNOLOGY

9401PA Automotive Technology 1

Grade Level: 11, 12 Credit: 3 Type: Practical Art
Prerequisite: C or better average in Integrated Math 1 or Algebra 1; preference given to students with 95% attendance or better
Articulated college credit available

The basics of auto diagnosis and repair guidelines are covered in this two-year course designed for students who are interested in Automotive Technology as a profession. It follows ASE/NATEF (National Automotive Technicians Education Foundation) and includes eight major units, covered during two years of instruction. In 2012-2013, the units will include Automotive Electrical/Electronics and Engine Performance. In 2013-2014, the units will include Brakes, Steering and Suspension Systems, Engine Repair, Manual Drive Train, Automatic Transmission/Trans-axle, and Heating and Air Conditioning. Students will alternate classroom studies with lab or shop experiences. Approved work clothes and shoes are required.

Follow-up: Automotive Technology 2; Electronics; Certified Welding

9402PA Automotive Technology 2

Grade Level: 12 Credit: 3 Type: Practical Art
Prerequisite: C or better average in Automotive Technology 1
Articulated college credit available

This is a continuation of Automotive Technology 1 in which students will cover the remainder of the eight major units of instruction. See Automotive Technology 1 for list of units. Approved work clothes and shoes are required.

9451PA Certified Welding 1

Grade Level: 10, 11, 12 Credit: 2 Type: Practical Art
Prerequisite: None
Articulated college credit available

This course, accredited by the American Welding Society (AWS), will introduce students to all aspects of the welding industry. Students will weld steel plate utilizing Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Flux Core Arc Welding (FCAW). They will learn to cut steel with Oxy-fuel, Carbon Arc, and Plasma. In addition, students will become familiar with many of the welding symbols and codes used in the welding and fabrication industry. Approved work clothes and shoes are required.

Follow-up: Certified Welding 2

9452PA Certified Welding 2

Grade Level: 11, 12 Credit: 2 Type: Practical Art
Prerequisite: C or better average in Certified Welding 1
Articulated college credit available

This AWS accredited class will further develop students' welding skills in plate, pipe, and non-ferrous materials such as aluminum and stainless. Students will be expected to learn advanced fit-up and layout as well as welding symbols. Approved work clothes and shoes are required.

Follow-up: Certified Welding 3

9453PA Certified Welding 3

Grade Level: 11, 12 Credit: 2 Type: Practical Art
Prerequisite: C or better average in Certified Welding 2

Certified Welding 3 is a challenging course, accredited by AWS, that focuses on pipe welding in four positions using Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and a combination

of SMAW and GTAW. Students study welding, oxy-fuel, and power tool safety as well as welding symbols and American Welding Society structural certification codes.

9500PA Introduction to the Construction Industry

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
Prerequisite: None

Gain experience and training in a variety of construction industry trades. Coursework includes both classroom and lab activities that combine thinking skills with construction of lab projects. Topics covered include job site safety, construction math, hand tools, power tools, employability skills, green building principles, blueprint reading, concrete, house framing, house wiring, drywall, roofing, plumbing, and heating and air conditioning.

Follow-up: Construction Technology; Certified Welding

9501PA Construction Technology 1

Grade Level: 11, 12 Credit: 3 Type: Practical Art
Prerequisite: Passing grade both semesters in Integrated Math 1 or Algebra 1; Record of good citizenship and attendance

Build a house and receive high school credit at the same time. Learn the rewards of a career in the field that employs the largest number of workers in the country. Participate in the construction of a new house from "the ground up" as you join other students to build a home in our community. In addition, students will experience other aspects of the construction trade. Successful students continue into Construction Technology 2 or to college, apprenticeships, and/or work in the construction field. There is excellent job placement for students who have proven their knowledge and work ethic. Approved work clothes and shoes are required.

Follow-up: Construction Technology 2; Computer Aided Design; Welding Technology and Agricultural Mechanics; Certified Welding

9502PA Construction Technology 2

Grade Level: 12 Credit: 3 Type: Practical Art
Prerequisite: C or better average in Construction Technology 1
Articulated college credit available

Students who are seriously considering a career in the construction field will have the opportunity to further develop skills and techniques learned in Construction Technology 1 and to develop supervisory and management skills. Second year students serve as team leaders for the construction "crew" of first-year students. Approved work clothes and shoes are required.

9601PA Computer Aided Design 1

Grade Level: 10, 11, 12 Credit: 2 Type: Practical Art
Prerequisite: C or better average in Integrated Math 1 or Algebra 1
Dual credit is available with Moberly Area Community College

Like engineers, architects, and 3D designers, students utilize the latest AutoCAD, Architectural Desktop, 3D VIZ, and 3D Studio Max software. They will use these programs to design and model real world 3D products. Windows platform will be used. All students are required to develop a portfolio by the end of the course comprised of traditional prints and the most advanced 3D modeling.

Follow-up: Computer Aided Design 2; 3D Modeling and Animation; Civil Engineering and Architecture; Geospatial Technology

9602PA Computer Aided Design 2

Grade Level: 11, 12 Credit: 2 Type: Practical Art
Prerequisite: B or better average in Computer Aided Design 1
Articulated college credit available

Dual credit is available with Moberly Area Community College

Learn advanced computer-aided skills, using a CAD system to produce graphic products of your choice. Each student will select areas of design specialization using the following: Architecture- Architectural Desktop and Revit, Mechanical-AutoCAD, Graphics-3D Studio Max, Z brush 3D Modeling, and more.

Follow-up: 3D Modeling and Animation; Civil Engineering and Architecture

9606PA 3D Modeling and Animation

Grade Level: 11, 12 Credit: 2 Type: Practical Art

Prerequisite: B or better average in Computer Aided Design 1; portfolio review; and instructor approval

In this course, students will develop high-end, 3D visual skills. Students will learn basic animation, using 3D Studio Max through storyboarding, 3D modeling, lighting, texture mapping, and post-production editing. These skills are used in the fields of advertising, game design, movie effects (including character animation), aerospace design, automobile development, and architectural design. Through the semester each student develops a portfolio of sample work completed in the course for prospective employers and/or post-secondary faculty review.

*Follow-up: Computer Aided Design 2; Civil Engineering and Architecture, Geospatial Technology***9610PA Civil Engineering and Architecture**

Grade Level: 10, 11, 12 Credit: 2 Type: Practical Art

*Prerequisite: C or better average in Integrated Math 1 or Algebra 1 Articulated college credit available**Dual credit is available with Moberly Area Community College*

Civil engineers and architects design, build, and protect the infrastructure that modern society depends on. This course will introduce students to the planning, designing, surveying, and construction of today's infrastructure such as bridges, houses, dams, highways, and more. Opportunities for students to develop skills through projects, the latest CAD systems, and cutting edge survey equipment will be presented. Examples of projects include: building models of balsa wood bridges and testing them for strength, producing electricity from moving water, and drawing house plans and topographic surveys.

*Follow-up: Civil Engineering and Architecture 2; Computer Aided Design; Geospatial Technology***9611PA Civil Engineering and Architecture 2**

Grade Level: 11, 12 Credit: 2 Type: Practical Art

*Prerequisite: B or better average in Civil Engineering and Architecture**Dual credit is available with Moberly Area Community College*

This course will build upon the knowledge gained in Civil Engineering and Architecture to help equip graduates to face the challenges of modern engineering and architectural practices. Students will delve deeper into engineering and architectural design and construction using several methods. Topographic surveys will be produced and then turned into working site-plans that contain real world methods and solutions. Using the latest CAD systems, house plans will be designed and students will learn how to make structures stable and efficient. An innovative and researched capstone engineering project with a student designed model will complete the course. A professional portfolio of the student's work will be built as projects are finished.

9621PA Geospatial Technology

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: C or better average in Integrated Math 1 or Algebra 1

Dual credit is available with University of Missouri-Kansas City
Geospatial Technology. What's that, you say? Think Google Earth times ten! It's a powerful innovation which has changed the way individuals and organizations solve problems. Police and fire departments depend on it every day. Computerized mapping of geographic information provides data that helps inform decision-making in virtually every organization. Students will use the latest industry-standard GIS software packages to develop computer-aided skills of mapmaking, spatial analysis, and solution based development. This isn't the Matrix, no science fiction here. Just Geospatial Technology.

*Follow-up: Geospatial Analysis; C++ Programming; Computer Aided Design; Civil Engineering and Architecture; Emergency Medical Technician-Basic***9622PA Geospatial Analysis**

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: C or better average in Geospatial Technology

Yes, you can map it, but what does the data mean? Study environmental, law and fire emergencies, population and other projects of your choice. Ramp up your analysis skills when you become a consultant to an outside agency to recommend a

solution to a real world problem. You'll meet with an agency representative to report the design, work flow and implementation of the project. Your final analysis will be presented to the agency and submitted to ESRI for evaluation. That's a real resume builder for a GIS professional.

*Follow-up: C++ Programming; Computer Aided Design 1; Civil Engineering and Architecture***9700PA Laser Technology**

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Create holograms, examine forensics, develop light shows, design security systems, and examine other engineering applications that use lasers and fiber optics. This exploration of photonics—one of the fastest growing technical fields—offers the chance to work with the green laser technology featured in TV programs like CSI.

*Follow-up: Photonics 1; Electronics; Robotics; Laboratory Foundations; 21st Century Life Sciences***9701PA Photonics 1**

Grade Level: 11, 12 Credit: 2 Type: Practical Art

Prerequisite: C or better average in Algebra 1 or Integrated Math 2 Articulated college credit available

Realize the dreams of Archimedes and da Vinci when you use high-tech lab equipment to control light. Your study of one of the foremost emerging technologies—photonics—explores the physical control of light. The in-depth study of the physics of photonics will provide you the foundation on which photonics technicians build their careers—in one of the fastest growing of all technical fields.

*Follow-up: Photonics 2; Electronics; Robotics; Laboratory Foundations; 21st Century Life Sciences***9702PA Photonics 2**

Grade Level: 12 Credit: 2 Type: Practical Art

Prerequisite: C or better average in Photonics 1 Articulated college credit available

The demand for precision and efficiency is changing the way industry is utilizing photonic and electro-optical technologies. The laser is now the tool of choice for tasks from picture-hanging in residences to major construction projects to hundreds of scientific applications. This class will look at various aspects of photonics, the development of photonic solutions for real-world applications, geometric optics, and non-linear optics.

9750PA Electronic Essentials

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: C or better average in Integrated Math 1 or Algebra 1

Electronics is one of the most important branches of science. Many of today's innovations which have shaped our society are a result of electronics. From iPads to iPods, computer networking to GPS navigation systems, automotive technology to engineering, electronics has reshaped our world. Gain the power of electronics knowledge offered in this class. Then using analog and digital test equipment, you'll analyze the electronic circuits you construct in class.

*Follow-up: Electronics 2-Robotics 2; Robotics; A+ IT Essentials; Information Technology; Laser Technology; Photonics; Automotive Technology***9751PA Electronics 1**

Grade Level: 10, 11, 12 Credit: 2 Type: Practical Art

*Prerequisite: C or better average in Integrated Math 1 or Algebra 1**Dual credit is available with University of Central Missouri*

Just because you use computers, cell phones, WiFi, and other electronic bling, doesn't mean you understand them. Electronics 1 is the foundation for understanding and using these devices. Learn about direct current (DC), alternating current (AC), semiconductors and digital electronics as you build and explore many projects. You'll become a knowledgeable user of technology and gain the basic skills needed to design, build and troubleshoot most electronic devices used in an engineering project.

Follow-up: Electronics 2-Robotics 2; A+ IT Essentials; C++ Programming; Information Technology; Laser Technology; Photonics; Automotive Technology

9752PA Electronics 2-Robotics 2

Grade Level: 11, 12 Credit: 2 Type: Practical Art
Prerequisite: B- or better average in Electronics 1 or Electronic Essentials

Articulated college credit available

Dual credit is available with University of Central Missouri

From the beginning of time, man has tried to build machines that could perform mechanical tasks so he could spend his time on more important matters! You can become a modern day Leonardo da Vinci and control everything from robots to light shows. Electronics 2-Robotics 2 gives you the skills and knowledge to tackle challenging and in-depth projects to expand your knowledge of DC, AC, semiconductor, digital electronics and electronic engineering. Now that's cutting edge.

Follow-up: Electronics 3-Robotics 3; A+ IT Essentials; Information Technology 1; C++ Programming; Laser Technology; Photonics; Automotive Technology

9753PA Electronics 3-Robotics 3

Grade Level: 12 Credit: 2 Type: Practical Art
Prerequisite: B- or better average in Electronics 2

Articulated college credit available

Dual credit is available with University of Central Missouri

Beam me up, Scotty...it's time to take it to the final frontier in the Electronics trilogy. There are one or more microprocessors used in the smallest handheld devices to the largest supercomputers. Spend the first semester learning about microprocessors through hands-on applications. During second semester, you'll choose a capstone project which will put all you've learned to use as you design, build and test a true prototype electronic engineering product.

9756PA Robotics 1

Grade Level: 10, 11, 12 Credit: 2 Type: Practical Art
Prerequisite: C or better average in Integrated Math 1 or Algebra 1

Robots have leapt from the realm of science fiction into everyday life. Industrial, military and service robots perform tasks that are too dangerous, dirty or undesirable for humans. This course introduces programming, electronics and robotics concepts that are essential to understanding a robot's design and functions. You'll work with various types of robots and control systems and experiment with sensors, processors and actuators used in engineering. It doesn't get any better than this!

Follow-up: Electronics 2-Robotics 2

ENGLISH LANGUAGE LEARNERS

Courses in this department will be assigned by the ELL building teachers.

FAMILY AND CONSUMER SCIENCES

7500PA Child Development

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: None

Follow up Courses: Teaching Professions

Do your future plans include a career working with young children? Then this course is for you! You'll learn about ages and stages and areas of development. This class includes a project-based portfolio.

7505PA Family Studies

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: None

Follow-up Course: Child Development

Most people interact with others to meet their goals and are involved in some type of family living. This course explores: development across the life span, family living, managing as a consumer, coping with stress, managing health and wellness, and preparing for a career. Students will gain knowledge on the role of the family and discover how developmental tasks during adolescence lead to a more satisfying life.

7520PA Teen and Social Issues

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: None

Follow-Up Courses: Parenting, Teaching Professions

What makes you tick? Find out why you act and react to situations the way you do. Explore what makes you tick and why you choose the friends you do. Get the down-low on things that are really important to you; drugs, sex ed., friends, family, love, stress, choices and their outcomes, as well as hearing from those who have "been there and done that."

7535PA Creative Cuisine 1

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
Follow up Courses: Creative Cuisine 2

Students should not be enrolled in this course if they are currently enrolled in Culinary Arts 1 or have completed Culinary Arts 1.

Learn the healthy way to fill your plate using proper nutrition and food preparation techniques. The appropriate use of equipment will be focused toward family settings. Group work and cooking labs are a major component of this class; therefore attendance is imperative. This course can be taken first semester and Creative Cuisine 2 second semester.

7537PA Creative Cuisine 2

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: Creative Cuisine 1

Follow-up Courses: Culinary Arts I

Creative Cuisine 2 students should not be enrolled in this course if they are currently enrolled in Culinary Arts 1 or have completed Culinary Arts 1.

Travel around the world using your taste buds! Creative Cuisine 2 has a strong emphasis on regional and international cuisine. Cultural heritage and its effect on foods and food preparation will be explored. Group work and cooking labs are a major component of this class; therefore, attendance is imperative. Creative Cuisine 1 must be taken before this class.

7540PA Fashion, Fabric and Construction 1

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
Prerequisite: None (no sewing experience required)

Follow up course: Fashion, Fabric and Construction 2

During the course, student will learn the basics of fashion design and sewing construction. The class will explore design elements in fashion, human body shapes and body images. In addition, students will construct garments that may include pants, shirts, skirts and dresses. Students will have the opportunity to participate in a service project sewing for babies at the University of Missouri Children's Hospital.

7545PA Fashion, Fabric and Construction 2

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
Prerequisite: B or higher in Fashion, Fabric and Construction or above average sewing skills including all of the following: buttonholes, necklines, sleeves, zippers, and waistlines.

Follow up Courses: Apparel Merchandising, Interior Design

During the course, student will learn the basics of fashion design and sewing construction. The class will continue the exploration of design elements in fashion, human body shapes and body images. In addition students will construct garments that may include pants, shirts, skirts and dresses. Students will have the opportunity to participate in a service project sewing for babies at the University of Missouri Children's Hospital.

7560PA Apparel Merchandising

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: None

Follow up courses: Fashion, Fabric and Construction 1 and 2, Any Business and Marketing class

This course focuses on the fashion industry as it relates to the world of business. Students will explore fashion trends, fashion history, fashion terminology, influential designers and careers in the fashion industry. Students examine the meaning of fashion, fashion cycles and fashion terminology. A variety of challenging and fun hands on projects will reinforce student learning.

7565PA Interior Design 1

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: None

Follow-up Course: Interior Design 2; Foundations of Art; Computer Aided Design; Civil Engineering and Architecture; Fashion, Fabric and Construction 1

Students will learn the basics of researching and utilizing design resources, housing choices, furniture styles, floor plan drafting, scaled drawings and furniture placement. Principles and elements of design will be incorporated with many individual student driven projects that demonstrate design skills. Students will learn how to use an architectural ruler, design templates, vellum and graph paper.

7570PA Interior Design 2

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: Interior Design 1 with a B or higher

Follow up Courses: Foundations of Art, Computer Aided Design, Civil Engineering and Architecture, Fashion, Fabric and Construction 1

Students will continue to advance their knowledge and application of architecture design skills through; research, making use of professional organizations, identifying design careers, and developing commercial spaces. Various architecture styles, techniques, and designs will promote student creativity.

9215PA Teaching Professions

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: C or better average in English 9 or above; C or better average in Algebra 1 or Integrated Math 1; AND record of good citizenship and attendance

This course will introduce students to the teaching profession, PreK-12. Students will explore the requirements for teaching credentials, teacher shortage areas, daily working conditions and extra duties, wages and benefits, and the projected changes in this profession for the next decade.

Follow-up: Foundations of Teaching and Instruction

9216PA Foundations of Teaching and Instruction

Grade Level: 11, 12 Credit: 2 Type: Practical Art

Prerequisite: B or better average in Teaching Professions and record of good citizenship and attendance

Dual Credit is available with University of Central Missouri

This course will provide students with an overview of the historical, philosophical, developmental, and psychological foundations of American education. Students will relate the application of psychological principles to teaching, learning, assessment, and the educational practices in the K-12 classrooms. Students will participate in grades PreK-9 field experience as well as develop a professional portfolio.

Follow-up: Teaching Professions Internship

9217PA Teaching Professions Internship

Grade Level: 12 Credit: 2 Type: Practical Art

Prerequisite: B or better average in Foundations of Teaching and Instruction and record of good citizenship and attendance

Dual Credit is available with University of Central Missouri

This course will provide high school seniors interested in the field of education, the opportunity to gain experience in a classroom setting by interning in local K-9 classrooms under the direct supervision of a "host teacher." Students will observe instruction, classroom management, and teaching strategies. They will work one-on-one with students and implement classroom lessons as well as create a professional student portfolio. Students will gain experiences that will allow them to reflect on their desire to become a teacher and the realities of the classroom.

9951PA Culinary Arts 1

Grade Level: 10, 11 Credit: 2 Type: Practical Art

Prerequisite: None

Welcome to the world of professional cooking. This class will give you the start for skills necessary to become certified with the American Culinary Federation as a Certified Culinarian. You can also be Nationally Certified in sanitation with the ServSafe certification. We will explore every facet of culinary arts, as well as learn the vital practice of quality food prep.

Follow-up: Culinary Arts 2; Baking and Pastry Arts; Entrepreneurship; Marketing; Digital Media; Floral and Plant Design

9952PA Culinary Arts 2

Grade Level: 11, 12 Credit: 3 Type: Practical Art

Prerequisite: C or better average in Culinary Arts 1

Articulated college credit available

This class will help you expand your skills, which are necessary to become certified with the American Culinary Federation as a Certified Culinarian. We will explore advanced techniques such as sausage making and other charcuterie and study of regional and international cuisines while applying them to an actual production setting. The class runs a buffet and restaurant periodically throughout the year.

Follow-up: Baking and Pastry Arts; Entrepreneurship; Marketing; Digital Media; Floral and Plant Design

9953PA Baking And Pastry Arts

Grade Level: 11, 12 Credit: 2 Type: Practical Art

Prerequisite: C or better average in Culinary Arts 1

Welcome to the world of professional baking. This class will give you the skills necessary to become certified with the American Culinary Federation as a Certified Pastry Culinarian. We will explore every facet of Baking and Pastry, including the ingredients, methods, and techniques of making hearth breads, tarts, custards, cakes, and confections in addition to learning the vital importance of professionalism in the workplace.

Follow-up: Culinary Arts 2; Entrepreneurship; Marketing; Digital Media; Floral and Plant Design

HEALTH PROFESSIONS**9230PA Introduction to Healthcare Professions**

Grade Level: 10, 11 Credit: 1 Type: Practical Art

Prerequisite: None

Reality-based instruction, guest speakers, exposure to first aid and CPR training are integrated into this introductory course. Components include basic anatomy, growth and development, microbiology, and safety procedures. Many healthcare occupations are presented with the goal of developing a realistic individual career plan in the healthcare sciences for each student. Students are eligible to join a national student professional organization, Health Occupations Students of America (HOSA).

Follow-up: Professions in Healthcare; Animal and Veterinary Science; Laboratory Exploration 101

9231PA Introduction to Healthcare Professions—Honors

Grade Level: 11, 12 Credit: 1 Type: Practical Art

Prerequisite: C or better average in Biology and 95% attendance

This honors course explores the same fundamental medical concepts as Introduction to Healthcare Professions. However, it requires a more detailed and in-depth analysis of healthcare concepts, using problems based methodology as used by many medical training facilities. The student will be required to research and investigate healthcare careers. Specific units will include medical terminology, history of medicine, microbiology, human growth and development, medical assessment, first aid, and safety. Anatomy and pathophysiology will also be explored. Students are eligible to join a national student professional organization, Health Occupations Students of America (HOSA).

Follow-up: Professions in Healthcare; Laboratory Exploration 101; Laboratory Foundations; Animal and Veterinary Science

9235PA Professions in Healthcare

Grade Level: 11, 12 Credit: 3 Type: Practical Art

Prerequisite: Record of good citizenship and attendance; Employee Disqualification List (EDL) check; Federal Marker check; State Criminal Background check; and a drug test. Must successfully pass first semester to continue into second semester.

Dual credit is available with University of Central Missouri and Moberly Area Community College

Students learn patient care skills in the classroom, lab, and at clinical sites within the community, as well as basic nursing and communication skills, and applied medical terminology. American

Heart Healthcare Provider BLS CPR certification will be available. Completion of the program prepares students to work in healthcare while pursuing postsecondary education. Completion of the hours of direct patient care and classroom instruction may provide eligibility to sit for the state Certified Nurse Assistant (CNA) exam and enhance opportunities for admission to advanced healthcare career programs. Students are eligible to join a national student professional organization, Health Occupations Students of America (HOSA).
Follow-up: Laboratory Foundations; 21st Century Life Sciences

9236PA Professions in Healthcare—Honors

Grade Level: 11, 12 Credit: 3 Type: Practical Art
Prerequisite: C or better average in Biology; 95% attendance; record of good citizenship; Employee Disqualification List (EDL) check; Federal Marker check; State Criminal Background check; and a drug test. Must successfully pass first semester to continue into second semester.

Dual credit is available with University of Central Missouri and Moberly Area Community College

This class explores the same fundamental medical concepts as Professions in Healthcare. However, it requires a more detailed and in-depth analysis of anatomy, physiology, and pathophysiology. There is a strong emphasis on medical math. American Heart Healthcare Provider BLS CPR and First Aid certification will be available. Completion of the program prepares students to work in healthcare while pursuing postsecondary education. Completion of the hours of direct patient care and classroom instruction may provide eligibility to sit for the state Certified Nurse Assistant (CNA) exam, and enhance opportunities for admission to advanced healthcare career programs.
Follow-up: Laboratory Foundations; 21st Century Life Sciences

9251PA Laboratory Exploration 101

Grade Level: 10, 11, 12 Credit: 1 Type: Science or Practical Art
Prerequisite: None

Earn a science credit or a practical art credit while learning to effectively use many laboratory tools and procedures essential to most laboratories. Students will learn to use analytical balances, pH meters, microscopes, and micropipettes, as well as procedures such as gram staining, bacterial strain isolation, and aseptic technique. This course gives students a taste of the lab while equipping them for high school and postsecondary laboratory coursework, laying the foundation for future professional laboratory work.

Follow-up: Laboratory Foundations; 21st Century Life Sciences; Photonics; Professions in Healthcare

9252PA Laboratory Foundations MI (Medical and Industrial)

Grade Level: 11, 12 Credit: 1 Type: Science or Practical Art
Prerequisite: C or better average in ONE of the following: Biology, Chemistry, Lab Explorations 101, or Lab Foundations PE.
NOTE: Course is offered alternate years – next class 2013-2014

Earn a science credit or a practical art credit while learning techniques and applying technologies used in medical and industrial laboratories. Students learn lab skills including microscopy, microbiology, blood and tissue identification, and simple chemical tests, as well as raw materials identification testing, pH, titrations, and specific gravity. Skills taught are essential for students interested in a science-related career and will equip students for high school and postsecondary laboratory coursework.

Follow-up: Lab Foundations PE; 21st Century Life Sciences; Photonics; Professions in Healthcare; C++ Programming

9253PA Laboratory Foundations PE (Pharmaceutical and Environmental)

Grade Level: 11, 12 Credit: 1 Type: Science or Practical Art
Prerequisite: Grade of C or better average in ONE of the following: Biology, Chemistry, Lab Explorations 101, or Lab Foundations MI
NOTE: Course is offered alternate years – next class 2012-2013.

Earn a science credit or a practical art credit while applying techniques and technologies used in pharmaceutical and environmental laboratories. Students will perform the pharmaceutical laboratory work of wet chemistry, spectrophotometry, chromatography, and extractions. The

environmental laboratory work will include sampling techniques, chemical analysis, and biological testing. Skills taught are essential for students interested in a science-related career. Lab experiences will equip students for high school and postsecondary laboratory coursework, and lay the foundation for future professional laboratory work.

Follow-up: Lab Foundations MI; 21st Century Life Sciences; Photonics; Professions in Healthcare; C++ Programming

9258PA 21st Century Life Sciences DRIE (Diagnostic Research, Industrial and Environmental)

Grade Level: 11, 12 Credit: 1 Type: Science or Practical Art
Prerequisite: C or better in two of the following: Biology, Chemistry, Laboratory Exploration 101, Lab Foundations MI or PE
NOTE: Course is offered alternate years – next class 2013-2014.
Articulated college credit available

Dual credit is available with Central Methodist University

Earn a science credit or a practical art credit while investigating life science techniques, technologies, and controversies within industrial, environmental, and research applications. Solve puzzles by applying microbiology methods, gel electrophoresis, spectrophotometry, ELISA and PCR analysis. Understand the current and potential effect of the current biotechnology on human society. Skills taught are essential for students interested in a science-related career. The lab experiences will equip students for high school and postsecondary laboratory coursework, and lay the foundation for future professional laboratory work.

Follow-up: 21st Century Life Sciences: MPA; Laboratory Foundations; Photonics; Professions in Healthcare; C++ Programming

9259PA 21st Century Life Sciences MPA (Medical, Pharmaceutical, and Agricultural)

Grade Level: 11, 12 Credit: 1 Type: Science or Practical Art
Prerequisite: C or better in two of the following: Biology, Chemistry, Laboratory Exploration 101, Lab Foundations MI or PE
NOTE: Course is offered alternate years – next class 2012-2013.
Articulated college credit available

Dual credit is available with Central Methodist University

Earn a science credit or a practical art credit while investigating life science techniques, technologies and controversies within medical, pharmaceutical and agriculture fields. Solve puzzles by applying microbiology methods, gel electrophoresis, spectrophotometry, ELISA and PCR analysis. Understand the current and potential effect of the current biotechnology on human society. Skills taught are essential for students interested in a science-related career. The lab experiences will equip students for high school and postsecondary laboratory coursework, and lay the foundation for future professional laboratory work.

Follow-up: 21st Century Life Sciences: DRIE; Photonics; Professions in Healthcare; C++ Programming

9260PA Core Essentials Of Fire Fighting and Public Safety

Grade Level: 10, 11 Credit: 1 Type: Practical Art
Prerequisite: None

Students will be introduced to the world of fire fighters, police officers, emergency medical technicians, and other emergency responders. A look into field operations, law, public relations, and crisis planning will be included. Students will develop a career plan to prepare for their success in the field of public safety and security.

Follow-up: Emergency Medical Technician-Basic, Professions in Healthcare

9262PA Emergency Medical Technician-Basic

Grade: 12 Credit: 1 Type: Practical Art
Prerequisite: Record of good citizenship and attendance; flu shot; background check; TB test; and a drug test. Must successfully pass first semester to continue into second semester.

People's lives often depend on the quick reaction and competent care of emergency medical technicians (EMT). EMTs provide this vital service as they care for and transport the sick or injured to a medical facility. This course follows the national standard curriculum for Emergency Medical Technician-Basic. Upon successful completion of the course and becoming 18 years

of age, the student is eligible to take the National Registry for EMT written and practical examinations. Clinical observations at local ambulance services are a required part of this course and occur outside of regular class time. Students are expected to provide their own transportation to these sessions.

HEALTH SCIENCE

6550HE Health Science

Grade Level: 12 Credit: 1/2 Type: Health Science
Prerequisite: None

This course is designed to increase the knowledge of the human body and raise awareness of health-related issues. The three areas of study include: first aid and safety; fitness and nutrition; and human sexuality and relationships. (Note: Health Science is a required semester course for graduation that is normally taken in ninth grade. Seniors are given priority in order to meet graduation requirements. Sophomores and juniors should take the summer school course.)

LANGUAGE ARTS

***Juniors enrolled in this course must also be enrolled in U.S. Studies**

****Sophomores enrolled in this course must also be enrolled in World Studies**

0520NC World Studies

Grade Level: 10 Credit: 2 Type: English/World History
Prerequisite: None

This team-taught course combines the study of world history and world literature through a thematic approach with products ranging from essays to exhibition assessments. This course equips students with critical thinking, reading, writing, oral communication, and research skills. Course resources include history text books, a wide variety of literature (including fiction, non-fiction, and poetry) as well as multi-media sources. Self-motivated students with a strong work ethic should select the faster paced honors section of World Studies. Upon successful completion of the course, the student will receive one credit in World History and one credit in English.

0525NC World Studies - Honors

Grade Level: 10 Credit: 2 Type: English/World History
Prerequisite: None

This team-taught course combines the study of world history and world literature through a thematic approach with emphasis on essay and exhibition assessments. The course is designed for the student who has demonstrated strong ability in the areas of critical thinking, reading, and writing, oral communications, and research skills. Course resources include history text books, a wide variety of literature (including fiction, non-fiction, and poetry) as well as multi-media sources. Self-motivated students with a strong work ethic should select this faster paced honors section of World Studies. Upon successful completion of the course, the student will receive one credit in Honors World History and one credit in Honors 10th grade English.

0527NC World Studies - Honors (AP World)

Grade Level: 10 Credit: 2 Type: English/World History
Prerequisite: 9th grade teacher recommendation

This team-taught course provides an intensive investigation of major themes of world history and world literature. The challenging course is designed for self-motivated students with an intellectual curiosity about world cultures and a strong work ethic. Students will practice writing college level essays, debating controversial issues, and thinking creatively. Students will develop the ability to generate independent arguments. Students have the option to take the AP Exam in World History and possibly earn college credit. **(There is no corresponding AP Exam for English.)** Upon successful completion of this course, the student will receive one credit in AP World History and one credit in Honors 10th grade English.

0530NC U.S. Studies

Grade Level: 11 Credit: 2 Type: U.S. History/English
Prerequisite: None

This team-taught course combines the study of U.S. history and literature through a thematic approach that emphasizes reading, writing and critical thinking skills. Plays, novels, short stories and essays broaden student understanding of U.S. history as well as the major themes in U.S. literature. At the end of the year the student will receive one credit in U.S. History and one credit in English. **Each student will have the choice to, and is encouraged to, contract for Honors credit.** Contracting for Honors credit allows the student to take ownership over his or her own learning and enriches the curricular experience by making real world applications.

0540NC AP English Language and Composition /AP United States History

Grade Level: 11 Credit: 2 Type: English/U.S. History
Prerequisite: None

This course will focus on the study of U.S. authors with an emphasis on the analysis of non-fiction and primary sources. Students should expect a demanding reading and writing load. The course will explore themes in common with AP U.S. History. Students will be prepared to take the Language and Composition AP Test. Students enrolled in this course will automatically be enrolled in AP U.S. History.

2350LA Literacy Seminar

Grade Level: 10, 11, 12 Credit: ½ or 1 Type: Language Art
Prerequisite: None

This course is an individualized reading program required of incoming and current RBHS students reading significantly below grade level. The intensive reading and writing instruction will accelerate progress and provide these students with the skills necessary to be successful in their core classes.

2450EN Creative Writing

Grade Level: 11*, 12 Credit: 1/2 Type: Language Art
Prerequisite: None

This semester course focuses on the writing of original poetry, prose, short fiction and scripts. Extensive reading in a variety of genres is assigned. Students will maintain a writing journal and a portfolio of writings, participate in peer review and submit work for publication.

2451EN English 12: African-American Literature and Composition

Grade Level: 12 Credit: 1 Type: English
Prerequisite: None

This course is designed to offer all students an opportunity to study the experiences of African-Americans in the United States. An interdisciplinary approach using literature, art, music, film and field experiences will enhance the study of this aspect of American Culture. Students may take this course first semester only or both semesters. Seniors will have priority for this class.

2452EN English 12: Contemporary Literature & Composition

Grade Level: 11*, 12 Credit: 1/2 Type: English
Prerequisite: None

Students will read and discuss a variety of challenging novels, short stories, and poems from the twentieth century to the present. In this reading and writing intensive course, students will engage in seminar-type discussions based on selected and independently chosen texts and write analytical and argumentative essays on a variety of prompts.

2502EN British Literature

Grade Level: 11*, 12 Credit: 1/2 Type: English
Prerequisite: None

This challenging course surveys the literature of England, focusing on poetry, short stories, drama and the novel. In this reading and writing intensive course, students will engage in seminar-type discussions based on selected and independently chosen texts and write analytical and argumentative essays on a variety of prompts.

2600LA Journalistic Writing

Grade Level: 10**, 11*, 12 Credit: 1 Type: Language Arts
Prerequisite: None

This writing-intensive, college preparatory class will focus on non-fiction reading and writing, specifically news, opinions, features, and sports. Students will be expected to write for BearingNews, the online publication of Rock Bridge High School. Second semester students will also develop desktop publishing skills as they produce the last issue of The Rock. This class serves as a prerequisite to Journalism – Newspaper.

2601LA Journalism Seminar Honors

Grade Level: 11*, 12 Credit: 1 Type: Language Arts
Prerequisite: Teacher approval or successful completion of Journalistic Writing

Designed for the student who wants an intense experience in journalism, this course requires students to maintain a portfolio of their writing and their page design. Students in this class will serve as editors for the school paper, yearbook, or online publication. They will determine a majority of the story ideas for The Rock, Flashback, or BearingNews, edit the work of their peers, and design the majority of the pages for their school publications on In-Design or the electronic medium. Finally, students will research areas of journalistic ethics, First Amendment considerations, differences among print and the various electronic media, etc. Most students who enroll in this course would also be expected to enroll in Journalism: Newspaper, and/or Journalism: Yearbook and/or; however, with the approval of the teacher, artists, photographers, and programmers may enroll in this class alone. This course may be repeated for credit.

2602LA Journalism: Yearbook

Grade Level: 10, 11, 12 Credit: 1 Type: Language Art
Prerequisite: 3.25 Cumulative GPA and 95% attendance or written approval from journalism teacher

This class publishes Flashback, the school's yearbook, and combines graphic design, journalism, computer software and photo essay skills. The workload is demanding and requires that students spend time after school to meet deadlines. Students need to be highly motivated, skilled writers, photographers and/or artists who can work independently as well as in teams. Students will also write and take photos for BearingNews, the school's online publication. Teacher recommendations will be considered in the selection of staff. This course may be repeated for credit.

2603LA Journalism: Newspaper

Grade Level: 11, 12 Credit: 1 Type: Language Art
Prerequisite: Teacher approval or successful completion of Journalistic Writing

Students in this hands-on course will be responsible for writing articles for, proofreading, and laying out The Rock. Students should expect to write for BearingNews, as well. They will spend some additional time after school hours working on the paper. Students will also read newspapers and magazines as well as books written by journalists. This course may be repeated for credit.

2460EN Popular American Culture

Grade Level: 12 Credit: 1 Type: English or Social Studies
Prerequisite: None

This team-taught course taken for English or Social Studies credit examines popular culture as both a reflector and a producer of social change in American society. Students will examine popular culture through different forms of media such as advertising, film, television, music, and through the reading of literature, and poetry in order to become critical consumers of culture. To demonstrate an in-depth understanding of the influence of popular culture, students will develop the critical thinking skills of analysis, synthesis, and evaluation. These skills will be critiqued in different modes of student performance including writing, oral presentations, and research projects. **Students may elect to contract for honors credit on an individual basis once enrolled in the class in the fall.**

2501EN Senior Literature, Composition and Research

Grade Level: 12 Credit: 1 Type: English
Prerequisite: None

In this writing and research intensive class, students will write frequently for a variety of purposes and different audiences, with a strong focus on the process of writing and editing. Students will also explore a variety of novels plus other sources of writing, both fiction and non-fiction. They will also gain experience in researching a variety of topics, using multiple resources, and have the opportunity to participate in oral presentations. The focus for this course encompasses communication in all forms, and reinforces and enhances reading, writing and speaking skills.

2504EN AP English Literature and Composition

Grade Level: 12 Credit: 1 Type: English
Prerequisite: None

Students will read challenging fiction of the past and present including novels, short stories, poetry, and drama. In this reading and writing intensive class, students will master the skills of critical reading and writing, with emphasis on argumentation. This demanding course load will prepare students for the AP English Literature and Composition test.

2510EN English 12: CACC: College Composition

Grade: 12 Credit: 1 Type: English
Prerequisite: Concurrent enrollment in a career center class. Grade B or better in English 11, U.S. Studies, or equivalent English course and GPA of 2.5 or higher with preference given to students with 95% attendance
Dual Credit is available with Linn State Technical College or University of Missouri-Kansas City

Fulfill requirements for English 12 and earn 3 hours of college credit for English Comp 101. Students will compose for a variety of purposes and audiences—all related to the technical program in which they are enrolled. Students will write college-level essays, complete critical readings and analysis of challenging literature, apply fundamental aspects of argument and support in a research paper.

2703LA Public Speaking

Grade Level: 10, 11, 12 Credit: 1/2 Type: Language Art
Prerequisite: None

Students will learn the practical skills of public speaking and all major aspects of speech preparation and presentation. Working with both informative and persuasive speech topics, students will learn by reading and viewing sample speeches as well as preparing and presenting their own speeches. Students will learn and work with preparation and speaking outlines, PowerPoint presentations, and internet research. The course will include both peer- and self-evaluation as students develop as speakers and listeners.

2705LA Debate 1

Grade Level: 10, 11, 12 Credit: 1 Type: Language Art
Prerequisite: None

This course emphasizes critical thinking, research skills, communication skills, career preparation, and a knowledge of current events. Debate improves a student's ability to arrive at decisions through a systematic and logical process. Students will learn to use evidence skillfully and impartially, organize thoughts and articulate them concisely and coherently, and distinguish between logically valid and invalid inferences.

Research is emphasized as students debate current social problems and international conflicts. Students study argumentation and refutation as well as public speaking skills. Students have the opportunity to travel to and participate in speech and debate competitions.

2706LA Debate 2/3

Grade Level: 11, 12 Credit: 1 Type: Language Art
Prerequisite: Debate 1 (2705LA) or instructor approval; MSHSAA eligibility - pass 3.25 credits previous semester

This course is designed for competitively oriented students who are interested in attending speech tournaments in debate and related speaking events. Students elect to focus on the current national Cross Examination debate topics or the periodic

Lincoln-Douglas or Public Forum debate topics, and research, analyze, and debate their choices. Students must be MSHSAA eligible (3.25 credits earned previous semester) and will be expected to regularly participate in tournaments, especially at the district level.

***Juniors enrolled in this course must also be enrolled in U.S. Studies**

****Sophomores enrolled in this course must also be enrolled in World Studies**

PUT MATH GRID HERE

MATHEMATICS

The Columbia Public Schools has a goal to prepare all students for the opportunity to continue their education after high school. While not all students will have that goal, preparation for that possibility is vital. In order to provide the necessary preparation, there are two pathways that provide the mathematical experiences necessary for post-secondary studies. Both programs encourage 4 years of study. The Algebra pathway consists of Algebra 1, Geometry, Algebra 2, and Pre-Calculus. The Integrated Pathway consists of Integrated Math 1 through Integrated Math 4. Both pathways prepare students to be ready to study Calculus.

While colleges may only require 3 years of college prep mathematics, many university studies are showing that taking more than 3 years of college-prep math is the single greatest predictor to success in college. We strongly urge students to prepare themselves by taking appropriately rigorous mathematics throughout their high school career.

In an effort to prepare our students for life after their high school experience, the Mathematics Department encourages all students to have access to hand-held calculators. Most courses make extensive use of graphing calculators and access outside the classroom is beneficial to developing mathematical understanding. Refer to the *High School Mathematics Placement chart* and talk with a mathematics teacher before enrolling in a mathematics class.

5617MA Algebra 1

Grade Level: 10 Credit: 1 Type: Math

Prerequisite: Teacher recommendation

Algebra 1 is a complete 1-year algebra course. Students will learn notation, manipulation, application and problem solving skills with variables, including linear equations, quadratic equations, factoring and multiplying polynomials. Students should expect daily challenging out-of-class assignments to reinforce class work and a fast pace through the curriculum. Successful completion of this course will satisfy prerequisites for Geometry. (Graphing calculators are used in this class.)

5651MA Geometry

Grade Level: 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Algebra 1 and teacher recommendation

Geometry, plane and solid, is a study of rectangular figures in 2 or 3 dimensions. Emphasis is placed on proving theorems using deductive reasoning. Also stressed are such topics as areas and volumes of plane and solid figures. A strong background in Algebra 1 is necessary.

5655MA Integrated Math 2

Grade Level: 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Integrated Math 1 and teacher recommendation

Integrated Math 2 continues the development of concepts introduced in Integrated Math 1. Specifically, this course covers the following topics: algebraic concepts (including manipulation, advanced quadratic equations, factoring and systems of equations), matrices, geometric transformations, data correlation, power models, and trigonometry. This course is a prerequisite for Integrated Math 3. (Graphing calculators are used in this class.)

5710MA Algebra 2

Grade Level: 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Geometry and teacher recommendation

Algebra 2 is a continuation and extension of Algebra 1 and Geometry. New topics of study include advanced quadratics and logarithms. Success in Algebra 2 depends heavily on the success a student has had in Algebra 1 and Geometry. (Graphing calculators are used in this class.)

5720MA Algebra 2 Honors

Grade Level: 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Geometry and teacher recommendation

Algebra 2 is a continuation and extension of Algebra 1 and Geometry. It will be assumed that the student has a good

working knowledge of Algebra 1. New topics studied will be advanced quadratics and logarithms. The course is designed for the competitive, serious math student who is interested in studying the topics of Algebra 2 in more detail. (Graphing calculators are used in this class.)

5722MA Statistics

Grade Level: 12 Credit: 1 Type: Math

Prerequisite: Algebra 2 or Integrated Math 3 or concurrent and teacher recommendation

Statistics for a full year is designed for the college bound senior. This course will introduce three broad topics, which are descriptive statistics, probability theory, and statistical inference. Typical applications include description of sample data, laws of probability, simulations, sampling techniques, surveys, and analysis of measurements including non-parametric tests. (Graphing calculators are used in this class.)

5725MA Integrated Math 3

Grade Level: 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Integrated Math 2 and teacher recommendation

Integrated Math 3 continues to build on the development of algebraic and geometric concepts introduced in the earlier integrated series. Some of the topics that are included in this course are: multiple-variable models, inductive and deductive reasoning, functions and algebraic reasoning. This course is designed to prepare students for post-secondary experiences, both academic and workforce related. This course serves as the prerequisite to Integrated Math 4. (Graphing calculators are used in this class.)

5727MA Integrated Math 3 Honors

Grade Level: 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Integrated Math 2 and teacher recommendation

Integrated Math 3 continues to build on the development of algebraic and geometric concepts introduced in the earlier integrated series. Some of the topics that are included in this course are: multiple-variable models, inductive and deductive reasoning, functions and algebraic reasoning. This course will move at a quicker pace than the regular Integrated Math 3 course and do more extension problems. This course is designed to prepare students for post-secondary experiences, both academically and workforce related. This course serves as the prerequisite to Integrated Math 4. (Graphing calculators are used in this class.)

5705MA Intermediate Algebra

Grade Level: 10, 11 Credit: 1 Type: Math

Prerequisite: Algebra 1, Geometry, Integrated Math 2 or teacher recommendation

Intermediate Algebra is designed to provide additional experiences for students who had difficulty with Algebra 1 concepts. The students in this course will participate in work surrounding developing enriched background which should lead to greater success in Algebra 2. These experiences will include, but not be limited by, developing richer knowledge base of vocabulary, skill issues, and other strategies designed to accelerate student learning.

5730MA Preparation for College Algebra

Grade Level: 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Algebra 2 or Integrated 3 and teacher recommendation

Preparation for College Algebra is designed to provide additional experiences in Algebra 2 concepts to help students prepare to take college-level algebra course. The course includes the study of exponents and radicals, rational and polynomial inequalities and their graphs, systems of equations, and matrices and determinants. Since trigonometry is not taught in this course, it will not serve as the prerequisite to calculus. (Graphing calculators are used in this class.)

5735MA College Algebra – Dual Credit

Grade Level: 11, 12 Credit: 1 Type: Math
Prerequisite: Preparation for College Algebra, Algebra 2, Integrated 3 or teacher recommendation
Dual Credit is available with University of Missouri-Kansas City

College algebra is designed as the course required for many undergraduate college degrees. This course will include, but not be limited to, solutions of equations, functions, exponential and logarithmic functions, inequalities, systems of linear equations, equations of second degree and their graphs, binomial theorem, complex numbers, and polynomials. Students who are successful in this course can receive college credit through UMKC for a fee and a math credit for Columbia Public Schools.

5780MA Pre-Calculus

Grade Level: 10, 11, 12 Credit: 1 Type: Math
Prerequisite: Algebra 2 and teacher recommendation

Pre-calculus is designed for the science oriented or college-bound student. The course includes the study of functions, limits, trigonometry, analytic geometry and other advanced topics. Upon successful completion of this course, a student should be prepared to enroll in the usual first semester calculus course at any university. (Graphing calculators are used in this class.)

5782MA Pre-Calculus Honors

Grade Level: 10, 11, 12 Credit: 1 Type: Math
Prerequisite: Algebra 2 or Algebra 2 Honors and teacher recommendation

Pre-calculus Honors includes the same topics of study as regular Pre-calculus with additional emphasis placed on formal proof and theory. Success in this course depends on a strong background in Algebra 2 and a sincere desire to study mathematics. (Graphing calculators are used in this class.)

5785MA Integrated Math 4

Grade Level: 10, 11, 12 Credit: 1 Type: Math
Prerequisite: Integrated Math 3 and teacher recommendation

Integrated Math 4 concludes the development of concepts introduced throughout the integrated series. This course includes the study of functions, rates of change, modeling motion using vectors and parametric equations, and other advanced topics. Upon completion of this course, a student should be prepared to enroll in a first semester calculus course at any university. (Graphing calculators are used in this class.)

5787MA Integrated Math 4 Honors

Grade Level: 10, 11, 12 Credit: 1 Type: Math
Prerequisite: Integrated Math 3 or 3 Honors and teacher recommendation.

Integrated Math 4-Honors concludes the development of concepts developed throughout the integrated series. This course includes the study of functions, rates of change, modeling motion using vectors and parametric equations, and other advanced topics. This course will move at a quicker pace than the regular Integrated Math 4 course and do more extension problems. Upon completion of this course, a student should be prepared to enroll in Calculus. (Graphing calculators are used in this class.)

5905MA AP Statistics

Grade Level: 12 Credit: 1 Type: Math
Prerequisite: Algebra 2 or Integrated 3 (or above) and teacher recommendation

This course is designed to provide for successful completion of the AP examination in statistics. College-bound seniors will be introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. These include descriptive statistics, probability and simulation, planning a study, and statistical inference. Satisfactory completion of the course and the AP examination will provide students with credit for a one-semester introductory college statistics course at cooperating universities. (Graphing calculators are used in this class.)

5910MA AP Calculus AB

Grade Level: 10, 11, 12 Credit: 1 Type: Math
Prerequisite: Pre-calculus or Integrated 4 and teacher recommendation and summer review work

As described by the College Board (www.collegeboard.com), AP Calculus AB is primarily concerned with developing students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to and the interconnectness of calculus. The topics for this course include: rates of change, derivatives, linearization, related rates, separable differential equations, integrals, volumes of solids, and other applications of integration. This course is the equivalent of one semester of college calculus. (Graphing calculators are used in this course.)

5920MA AP Calculus BC

Grade Level: 10, 11, 12 Credit: 1 Type: Math
Prerequisite: Pre-calculus or Integrated 4 and teacher recommendation and summer review work

As described by the College Board (www.collegeboard.com), AP Calculus BC is primarily concerned with developing students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to and the interconnectness of calculus. The topics for this course include all topics from the AP Calculus AB along with the following additional topics: improper integrals, infinite series, polynomialization, convergence/divergence of series, parametric functions, polar functions, and vector functions. This course is the equivalent of two semester of college calculus. (Graphing calculators are used in this class.)

1525MA CACC College Algebra

Grade: 12 Credit: 1 Type: Math

Prerequisite: Senior concurrently enrolled in a career center class with a 2.5 or higher GPA. Grade B or better in Integrated Math 3 or Algebra 2 (or higher level math course) or qualifying ACT or COMPASS math subscale score. Preference given to students with 95% attendance.

Dual Credit is available with Linn State Technical College or University of Missouri-Kansas City

Students have the opportunity to earn College Algebra credit through the dual credit program at Linn State Technical College or the University of Missouri-Kansas City. The class meets for a full year and will be held at the career center location. First semester, students will be in an Intermediate College Algebra preparatory class to improve specific mathematical skills required for college-level algebra and also prepare for the College Algebra COMPASS placement test. The COMPASS placement test will be given in December and students with a qualifying score will be enrolled in College Algebra second semester. Qualifying students will be responsible for paying the tuition charged by the college and will need a scientific or graphing calculator. Textbooks will be available for student use during both semesters. Students who meet first semester requirements will earn .5 high school math credits. Students who meet second semester requirements will earn .5 high school math credits and 3 hours of college credit.

MUSIC

All students interested in Concert Choir, Chamber Choir, or Women's Chamber Choir should sign up for 8435FA. **Specific course numbers will be assigned by Mr. Pierson and forwarded to the Rock Bridge High School guidance office. Placement in a particular choir will be determined by auditions. For more information, contact Mr. Pierson at 874-0009. Show Choir auditions are a separate audition. ONLY STUDENTS WHO FIRST ENROLL IN CHOIR 8435FA ARE ELIGIBLE TO AUDITION FOR SHOW CHOIR. Those students will receive written information about Show Choir auditions.**

8340FA Band

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Audition with director

Band provides students with instruction in the development and technical skill on wind and percussion instruments. Activities include concerts, civic and athletic events, music festivals, marching competitions, and possible trips. During the first couple months of the school year, marching is emphasized and afterwards transitions into concert band. Attendance is required at all scheduled events. For more specific information, please see the band handbook (made available on the band website in the spring) and/or contact the band office for more specific information. Students are expected to maintain MSHSAA eligibility for participation in District and State music festival and affiliate District and State ensembles (i.e. All District Band, etc.) MSHSAA eligibility includes a current enrollment of at least 3.25 credits and 3.25 credits earned in the previous semester.

8342FA Jazz Ensemble / 8343FA Jazz Band

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Audition with director; All Jazz Ensemble/Jazz Band students

must also be enrolled in Band (8340FA) or Orchestra (8354FA) unless exempted by the instructor.

Membership in Jazz Ensemble/Jazz Band provides students an opportunity to study and perform music from all styles of the jazz idiom. Students who play saxophone, trumpet, trombone, or rhythm section instruments (piano, bass guitar, guitar, drums) are eligible to audition. Students will learn appropriate performance techniques, and gain an understanding of chord structure and progression as it relates to improvisation. The Jazz Band performs frequently outside of school at concerts, festivals, and special functions in the community. There are two jazz bands offered at the same time, Jazz Ensemble (8342) and Jazz Band (8343). Students will be placed in the appropriate ensemble based on their audition. Jazz combos are selected from members of the large ensembles. Students are expected to maintain MSHSAA eligibility for participation in District and State music festival and affiliate District and State ensembles. MSHSAA eligibility includes a current enrollment of at least 3.25 credits and 3.25 credits earned in the previous semester.

8346FA Color Guard (fall semester only)

Grade Level: 10, 11, 12 Credit: 1/2 Type: Fine Art

Prerequisite: Audition with director

The Color Guard is a vital component of the high school marching band. Practices are held daily during the marching season from 3:00 – 4:00 p.m., and during the regular band time, which begins at 7:00 a.m. throughout first quarter. Color guard members participate with the band at all competitions and home football games. Band camp is held for two weeks before school starts. Auditions are held in April for the next year's group. Students are expected to maintain MSHSAA eligibility for participation in District and State music festival and affiliate District and State ensembles (i.e. All District Band, etc.) MSHSAA eligibility includes a current enrollment of at least 3.25 credits and 3.25 credits earned in the previous semester.

8354FA Orchestra

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Audition with Director

Orchestra provides an opportunity for string players to continue study of their instruments through performance of

traditional and contemporary orchestra literature and chamber music. The ensemble will perform several concerts each semester. The orchestra participates in the District Music Festival, held in late March and may audition for All-State Orchestra. Students are expected to maintain MSHSAA eligibility for participation in District and State music festival and affiliate District and State ensembles. MSHSAA eligibility includes a current enrollment of at least 3.25 credits and 3.25 credits earned in the previous semester.

8370FA Beginning Piano

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: None

This class is designed for students who wish to begin study of the piano in a group setting. Students use electronic keyboards with headphones in the piano lab to practice. Basic musicianship skills such as note and rhythm reading, basic harmonization, and sight-reading are emphasized. Enrollment is limited to the number of keyboards available. Priority is given to students who intend to pursue a career in music.

8433FA Women's Chamber Choir

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Audition with director

Women's Chamber Choir is a highly select women's chamber ensemble. This group performs a wide variety of styles of treble chamber music, both sacred and secular, from the Renaissance to Contemporary eras. Each year they provide concerts at RBHS, performances in the community, and participate in district and state music festival. Students are expected to maintain MSHSAA eligibility for participation in District and State music festival and affiliate District and State ensembles (i.e. All District Choir, etc.) MSHSAA eligibility includes a current enrollment of at least 3.25 credits earned in the previous semester.

8435FA Concert Choir

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Audition with director

Concert Choir is a select, entry-level mixed choir. This group performs diverse sacred and secular choral works including: Renaissance, Baroque, Classical, Romantic, Spirituals, and contemporary music. Each year they provide concerts at RBHS, performances in the community, and participate in district and state music festival. Students are expected to maintain MSHSAA eligibility for participation in District and State music festival and affiliate District and State ensembles (i.e. All District Choir, etc.) MSHSAA eligibility includes a current enrollment of at least 3.25 credits and 3.25 credits earned in the previous semester.

8436FA Chamber Choir

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Audition with director

Chamber Choir is a highly select mixed ensemble. This group performs a wide variety of styles of chamber music, both sacred and secular from the Renaissance to Contemporary eras. Each year they provide concerts at RBHS, performances in the community, and participate in district and state music festival. Students are expected to maintain MSHSAA eligibility for participation in District and State music festival and affiliate District and State ensembles (i.e. All District Choir, etc.) MSHSAA eligibility includes a current enrollment of at least 3.25 credits and 3.25 credits earned in the previous semester.

8440FA Women's Show Choir - Satin and Lace

Grade Level: 10, 11, 12 Credit: 1/2 Type: Fine Art

Prerequisite: Audition/Enrollment in Chamber Choir/Concert Choir/Women's Chamber Choir

The Women's Show Choir (Satin and Lace) is a treble ensemble that combines music and choreography. The group performs locally and competes regionally throughout the school year. Rehearsals will be arranged outside regular school hours. Note: Class meets zero hour - every other day. Dual enrollment in a choir is required. Students are expected to maintain MSHSAA eligibility for participation in this ensemble. Failure to do so will constitute immediate removal from the ensemble.

MSHSAA eligibility includes a current enrollment of at least 3.25 credits and 3.25 credits earned in the previous semester.

8442FA Mixed Show Choir - City Lights

Grade Level: 10, 11, 12 Credit: 1/2 Type: Fine Art
Prerequisite: Audition/Enrollment in Chamber Choir/Concert Choir/Women's Chamber Choir

The Mixed Show Choir (City Lights) is a mixed ensemble that combines music and choreography. The group performs locally and competes regionally throughout the school year. Rehearsals will be arranged outside regular school hours. Note: Class meets zero hour - every other day. Dual enrollment in a choir is required. Students are expected to maintain MSHSAA eligibility for participation in this ensemble. Failure to do so will constitute immediate removal from the ensemble. MSHSAA eligibility includes a current enrollment of at least 3.25 credits and 3.25 credits earned in the previous semester.

8450FA Musical Theater/Production 1

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art
Prerequisite: Previous choir, musical, or acting experience preferred

This is a performance-oriented course with emphasis on developing skills utilized in a production of American musical theater. The course begins with small performance projects and culminates with a full-scale musical production. Some rehearsal outside of regular class time is required. This course may be repeated for credit (Musical Theater 2 or Musical Theater 3).

8451FA Musical Theater/Production 2

Grade Level: 11, 12 Credit: 1 Type: Fine Art
Prerequisite: Successful completion of Musical Theater 1 (8450FA)

8452FA Musical Theater/Production 3

Grade Level: 12 Credit: 1 Type: Fine Art
Prerequisite: Successful completion of Musical Theater 2 (8451FA)

8511FA Music Theory

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art
Prerequisite: Knowledge of music reading and/or prior instruction on instrument or voice

Note: Students with no formal music training should consider Music Basics (8516).

Designed for students who have gained some prior knowledge of music through participation in performing groups or by individual effort. The purpose of the course is to acquaint students with the fundamentals of music: rhythm and meter, intervals, scales and modes, voice leading, and concepts of elementary harmony. Students will gain a functional understanding of Finale, a computer notation program. Students should be able to read music and a general knowledge of the keyboard is helpful, but not required.

8513FA AP Music Theory

Grade Level: 11, 12 Credit: 1 Type: Fine Art
Prerequisite: Successful completion of Music Theory 1 (8511) with a grade of "C" or better

A continuation of Music Theory I (8511), this course covers more complex harmonic and compositional techniques and provides students the opportunity to experiment with these techniques in their own compositions. Students will make extensive use of various computer applications related to music composition. After completion of this course, students will be eligible to take the AP Music Theory Exam (a fee is required).

8516FA Music Basics

Grade Level: 10, 11, 12 Credit: 1/2 Type: Fine Art
Prerequisite: None

This introductory level course exposes the student to various aspects of music, including the reading and notating of pitch, rhythm, and silence. Students will also study the development of Western music from Medieval Gregorian Chant to Post-Modern. When paired with a semester of Art Basics, it fulfills the fine art credit.

8515FA Music/Film Analysis

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art
Prerequisite: None

Classroom activities in Music and Film Analysis focus on helping students to develop and improve their visual and listening skills through analysis and discussion of the interaction of film, narrative, and music. Class time is divided into lecture, discussion, listening, and viewing of films. The goal of the course is to train the students as aesthetically aware viewers through exploration of major film genres and the history of the film soundtrack. This course requires Internet access (available on campus at RBHS) to download all assignments and readings.

8580FA Humanities

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art
Prerequisite: None

Humanities is a wise choice for students interested in a wide spectrum of fine arts offered in one curriculum. In this course students will study painting, sculpture, music, drama, architecture and world religions, areas that provide a better understanding of self as well as many cultures both past and present. Understanding of the arts and religion will be enhanced through several field trips. While Humanities is especially valuable as college preparation, it can also be an excellent preparation for a lifetime appreciation of the arts.

PERFORMING ARTS

2703LA Public Speaking - see Language Arts section

2705LA Debate 1 - see Language Arts section

2706LA Debate 2/3 - see Language Arts section

8216FA Acting 1

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art
Prerequisite: None

Offers the opportunity for students to initially investigate and develop a sound foundation of acting skills and techniques using improvisation, play readings, monologues, and duet and ensemble scenes. Theater aesthetics, criticism, and history are included. Students perform in class and have options for other outside performances.

8217FA Acting 2/3

Grade Level: 11, 12 Credit: 1 Type: Fine Art
Prerequisite: a C or better in Acting 1 (8216FA) or Musical Theater 1 (8450FA) or instructor permission

Students develop stage movement, costuming, properties selection, and publicity with an emphasis on different theatrical periods and styles. Students prepare scenes and a full-length production for public performance. Occasionally, group rehearsal is required outside of regular class time.

8253FA Children's Theater 1

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art
Prerequisite: None

Students will learn to write and perform for children. Students work with stage movement, character development, and script design while studying the historical and artistic evolutions of theater. Classes will travel to area pre-schools and elementary schools to perform. Group dynamics, storytelling, reader's theater, story writing, puppet construction, script writing, and puppet performance will be studied. The culmination of the course will be the use of all the aforementioned skills in a puppet theater, which will be performed for a large audience of community children.

8254FA Children's Theater 2/3

Grade Level: 11, 12 Credit: 1 Type: Fine Art
Prerequisite: Children's Theater 1 (8253FA), Acting 1 (8216FA) or Musical Theater (8450FA) with a grade of "C" or better or teacher permission

Students will work with children's literature and advanced forms of storytelling and puppetry. Students will develop skills in character development, stage movement, costuming, script

writing and publicity. A children's play will be cast, costumed, and produced. One full week of outside class time is required. Level 2 students may assume leadership positions in exploring, directing, designing and creating performances. This class may be taken two years for credit.

8255FA Technical Theater 1

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art
Prerequisite: None

Students learn principles of set construction, painting, lighting, sound, and theater maintenance. Some time is required outside of class for music and theater productions at RBHS. Students are required to exhibit safe and appropriate behavior with equipment to remain in the course.

8256FA Technical Theater 2/3

Grade Level: 11, 12 Credit: 1 Type: Fine Art
Prerequisite: Technical Theater 1 (8255FA or 7730PA) with a grade of "C" or better or teacher permission

Students practice advanced principles of all aspects of theater production, including leadership roles in team work and utilizing safe and appropriate work habits.

PHYSICAL EDUCATION*

***Students will be limited to one PE class per semester. Seniors needing the PE credit to meet graduation requirements will be given priority.**

1820PE1/1820PE2 Strength Training & Conditioning

Grade Level: 10, 11, 12 Credit: 1/2 Type: PE
Prerequisite: None

Strength training and conditioning is a demanding individualized course emphasizing improvement of strength and overall fitness. The course focus will be on the benefits, proper techniques and safety procedures involved in using weight machines and free weights. (Note: Athletes not intending to work hard during their sport season should enroll outside their sport season.)

1830PE1/1830PE2 Advanced Strength Training & Conditioning

Grade Level: 10, 11, 12 Credit: 1/2 Type: PE
Prerequisite: Consent of Instructor

Strength training and conditioning is a demanding individualized course emphasizing improvement of strength and overall fitness. The course focus will be on the benefits, proper techniques and safety procedures involved in using weight machines and free weights.

1835PE1/1835PE2 Women's Strength Training and Fitness

Grade Level: 10, 11, 12 Credit: 1/2 Type: PE
Prerequisite: None

This course is designed to encourage and promote females' participation in strength training and cardiovascular conditioning. This activity will help develop overall body strength with the use of the overload principle of weight training. Emphasis will also be placed on improvement in flexibility and cardiovascular fitness through such activities as stretching and jogging. (FEMALES ONLY)

1845PE1/1845PE2 Lifetime Sports

Grade Level: 10, 11, 12 Credit: 1/2 Type: PE
Prerequisite: None

This course is designed to encourage personal awareness and responsibility for the maintenance of health and physical well being through physical activity. Students will participate in a variety of team, dual and individual activities that can be continued throughout life. General fitness improvement in flexibility, strength, muscular endurance, and cardiovascular conditioning will be emphasized. This course will encourage the development of positive attitudes toward physical activity and fitness, increase fitness knowledge, increase participation in physical activity and lead to better individual health.

1850PE1/1850PE2 Men's Team Sports

Grade Level: 10, 11, 12 Credit: 1/2 Type: PE
Prerequisite: None

This course is a competitive activity course emphasizing the basic skills, knowledge, cooperation, and teamwork of such sports as flag football, Ultimate Frisbee, speedball, softball, volleyball, basketball, floor hockey, and soccer. General fitness improvement in flexibility, strength, muscular endurance, and cardiovascular conditioning through stretches, crunches, push-ups, and jogging will also be emphasized. (MALES ONLY)

1851PE1/1851PE2 Women's Team Sports

Grade Level: 10, 11, 12 Credit: 1/2 Type: PE
Prerequisite: None

This course is designed to encourage females to participate in a competitive course emphasizing the basic skills, knowledge, cooperation, and teamwork of such sports as flag football, Ultimate Frisbee, speedball, softball, volleyball, basketball, floor hockey, kickball, and soccer. General fitness improvement in flexibility, strength, muscular endurance, and cardiovascular conditioning through stretches, crunches, push-ups, and jogging will also be emphasized. (FEMALES ONLY)

1855PE1/1855PE2 Women's Body Sculpting

Grade Level: 10, 11, 12 Credit: 1/2 Type: PE
Prerequisite: None

This course is offered for young women who want to improve or maintain fitness and wellness. Students will participate in activities including Pilates, yoga, Tae-Bo, muscle toning, fitness walking, jogging, step aerobics, jump rope, circuits, stability balls, and exercise resistance bands. Class discussions will be held concerning nutrition, weight management, how to create a personal exercise program, stress management, and other health and fitness-related topics. (FEMALES ONLY)

1890PE1/1890PE2 Fitness Walking

Grade Level: 10, 11, 12 Credit: 1/2 Type: PE
Prerequisite: None

This class will allow students to improve their health through fitness walking. Students will **NOT** be required to dress out for this class. However, students must wear appropriate attire for walking outside: sweats, loose fitting jeans, shorts, and tennis shoes. **All walking will be done outside unless it is raining, the wind chill is below 0 degrees F or at the teacher's discretion.** Pedometers and journals may be used to monitor progress in this course. Some health and fitness-related topics may be discussed in this class.

SCIENCE

6610BS Biology

Grade Level: 10, 11, 12 Credit: 1 Type: Biological Science
Prerequisite: None

Biology is a course that explores the topics of cellular biology, genetics, life processes, diversity of organisms, ecological relationships, and human biology. Along with an understanding of broad biological concepts and principles, an emphasis is placed on personal needs and societal issues. Lab activities stress thinking, inquiry and process skills.

6611BS Biology Honors

Grade Level: 10, 11, 12 Credit: 1 Type: Biological Science
Prerequisite: A average in science and teacher recommendation

Honors Biology explores the same fundamental biological concepts as Biology. However, it requires a more detailed and in-depth analysis of selected biological concepts. The course provides more opportunities for long-term assignments and projects. Intensive writing and reading assignments require that students possess above average language skills.

6613 BS Introduction to Exercise Science

Grade Level: 11, 12 Credit: 1 Type: Biological Science
Prerequisite: C or better in Biology, C or better in Physics 9
Recommendations: Concurrent enrollment or completion of Chemistry. Although not required, Human Anatomy and Physiology and/or Sports Medicine would compliment this class nicely.

This course is designed to introduce students to the field of exercise science. Students will integrate biology, physics, and human anatomy concepts to learn about biomechanics, sports nutrition, exercise physiology, and sport psychology. Students will also investigate careers related to the field of exercise science, encouraging post-secondary planning. Hands-on and real-life learning experiences and examples will be used throughout the course.

6616BS Entomology

Grade Level: 11,12 Credit: 1/2 Type: Biological Science
Prerequisite: Biology

This course offers a general introduction to insects. Topics covered include insect diversity, insect morphology and physiology, insect ecology and behavior, and considerations of the economic and medical importance of insects. By the end of this course students will have collected, prepared and identified common insects that occur in Missouri and understand their biology and unique adaptations.

6617BS Zoology

Grade Level: 11, 12 Credit: 1/2 Type: Biological Science
Prerequisite: C or better in Biology

Zoology is a course that studies the major taxa of the animal kingdom. Students will study the diversity of animals present on earth, and gain an understanding of how they overcome the universal problems of living. Studying a wide variety of animals from the Reptiles and Amphibians of Missouri to the mega fauna of Africa, students will experience a hands-on and dynamic learning environment that will encourage their interest and understanding of life on earth.

6620BS AP Biology

Grade Level: 11, 12 Credit: 1 Type: Biological Science
Prerequisite: Biology & Chemistry and teacher recommendation

AP Biology is for students interested in a second year of biology. It is taught at the level of an introductory college course and is designed to prepare students for success in college biology courses. A great deal of emphasis is on bioenergetics and its application to human physiology. Such topics include homeostasis, nutrition and cardiovascular function. In addition, biochemistry and molecular genetics are stressed. Students will spend time on lab activities and readings on the philosophy of science and current technology. (This course is appropriate for those interested in the AP exam.)

6621BS Human Anatomy & Physiology

Grade Level: 11, 12 Credit: 1 Type: Biological Science
Prerequisite: Biology and Chemistry/ChemCom (or currently enrolled) and teacher recommendation

Human Anatomy & Physiology is designed to meet the needs of those students interested in learning more about the structure and function of the human body. In addition to studying the basic anatomy of each organ system, students will spend time in activities oriented toward a better understanding of the function of each system. Nutrition, fitness, disease, and preventative medicine will be taught. Dissection is required in this course.

6622BS Human Anatomy & Physiology Honors

Grade Level: 11, 12 Credit: 1 Type: Biological Science
Prerequisite: B or higher in Biology and Chemistry (or currently enrolled) and teacher recommendation

Human Anatomy and Physiology Honors is designed to meet the needs of students who are considering a career in the medical field and want to learn more about the structure and function of the human body. This course will cover the same topics in Human Anatomy and Physiology but selected organ systems will be dealt with in greater depth and detail. Dissection is required in this course.

6628PS Geoscience

Grade Level: 10, 11, 12 Credit: 1 Type: Physical Science
Prerequisite: None

Geoscience is a course that surveys topics in the Earth Sciences. This includes, but is not limited to, topics such as Mineral Resources, Continental Drift, Earthquakes and Volcanism, Weathering and Erosion, Groundwater, Lakes and Rivers, Soils, Weather and Climate, and Solar System Astronomy. An emphasis will be placed on the geology, resources, and physical environment of Missouri and the Midwest. Students can expect many different kinds of labs and activities that emphasize science concepts. The successful student will be one who has an interest in the earth and the geological systems that make it a planet that can support life.

6629PS Environmental Science

Grade Level: 11, 12 Credit: 1 Type: Physical Science
Prerequisite: C or better in Biology, C or better in Geometry/Integrated Math 2

Environmental Science is a course for students who are interested and concerned about the environment, conservation of the natural world, and the effect of the human population on the planet. Major units of study will include Biodiversity, Water Quality, Pollution and Wastes, Population, Extinction, Community Ecology, Climate, Resources, and Energy. Frequent labs, activities and computer applications are integral to the course. Students are expected to participate in fieldwork projects in Boone County to support classroom learning.

If a student desires, they may contract for Advanced Placement. In addition to the content in Environmental Science, AP Environmental Science includes more advanced laboratory and fieldwork development, implementation and analysis. All areas of study from Environmental Science will be supplemented with further experience, material and work that will give the AP student a more in-depth and broader understanding. This course will prepare students for the Advanced Placement Environmental Science Exam.

6634PS Chemistry in the Community (ChemCom)

Grade Level: 10, 11, 12 Credit: 1 Type: Physical Science
Prerequisite: C or better average in Algebra 1/Integrated Math 1 or currently enrolled

ChemCom explores traditional chemical concepts and principles using a thematic approach. Emphasis is placed on decision-making and understanding chemistry's impact on society. Some of the thematic units are water quality, resource management, petroleum usage, and nuclear chemistry. ChemCom utilizes vocabulary, thinking skills, and mathematical problem solving similar to that in Chemistry and the topics covered are essentially the same. The ChemCom curriculum involves more reading and writing than Chemistry.

6635PS Chemistry

Grade Level: 10, 11, 12 Credit: 1 Type: Physical Science
Prerequisite: C or better in Algebra 1/Integrated Math 2

Chemistry explores traditional chemical concepts and principles using a conceptual/mathematical approach. Emphasis is placed on understanding the basic scientific theories underlying the study of chemistry. Topics include gas properties, structure of matter, chemical equations, and chemical reactions. This course develops the fundamental principles of chemistry and their applications through hands-on laboratory experiences.

6636PS Chemistry Honors

Grade Level: 10, 11, 12 Credit: 1 Type: Physical Science
Prerequisite: B in Geometry or Integrated Math 3, and math and science teacher recommendation.

Chemistry Honors explores complex chemical concepts and principles using a rigorous mathematical approach. This course covers the same basic topics as Chemistry, but develops those topics to a greater depth. Emphasis is placed on learning laboratory techniques, developing problem-solving skills, and synthesizing chemical information.

6637PS AP Chemistry

Grade Level: 11, 12 Credit: 1 Type: Physical Science
Prerequisite: B in Algebra 2 or Integrated Math 3, B in previous Chemistry class and teacher recommendation.

AP Chemistry is a college level course intended for students wishing to pursue careers in engineering, medicine, and/or the natural sciences. Students will learn how to logically and scientifically express their ideas, deepen their understanding of fundamental concepts, and improve their competence in solving chemical problems. Problem solving will be both qualitative and quantitative. Mathematical reasoning will be stressed. This course will prepare students for the AP Chemistry Exam.

6639PS Astronomy - Honors

Grade Level: 11, 12 Credit: 1 Type: Physical Science
Prerequisite: Algebra 2 or Integrated Math 3 and teacher recommendation

Astronomy is the oldest of the sciences and has always been concerned with our place in the Universe. This course is designed for the student who wishes an in-depth exploration of the science of astronomy from the past to the cutting-edge of modern research. Topics include observational astronomy, life cycles of stars, exploding stars and black holes, relativity, galaxies, cosmology and planetary science. A good working knowledge of algebra and some trigonometry is expected.

6640PS Introduction to Astronomy

Grade Level: 11, 12 Credit: 1/2 Type: Physical Science
Prerequisite: Geometry or Integrated Math 2

Introduction to Astronomy is a beginners guide to the science of Astronomy. This survey course will emphasize the basics of observational astronomy such as using star charts, moon phases, and seasons. It will also include introductions to topics such as the make up of the solar system, stars and star lives, and our place in the Universe.

6641PS Introduction to Oceanography

Grade Level: 11, 12 Credit: 1/2 Type: Physical Science
Prerequisite: C or better in Biology

Introduction to Oceanography explores the greatest resource of our planet, the oceans. Though Earth is about 75% ocean, most people know little or nothing about the oceans and their influence on humans. The major topics in this course include marine geology, marine chemistry, physical aspects of the oceans such as currents, tides and climate, as well as marine biology. This course takes a global perspective on these topics related to the oceans' influence on our lives and our desire to explore.

6645PS Physics

Grade Level: 11, 12 Credit: 1 Type: Physical Science
Prerequisite: Physics 9. C or better in Algebra 1 and/or Integrated 2. Concurrent enrollment in Algebra 2 or Integrated 3 at a minimum or teacher recommendation.

Physics is a mathematically based course that explores the way in which the basic systems of nature operate. Areas of study include mechanics, waves, optics, and electricity. This course builds upon the concepts that were learned in Physics 9. The fundamental principles and applications of physics are developed through hands-on laboratory experiences. Writing skills, data analysis, and graphing skills are emphasized throughout the course.

6648PS AP Physics B

Grade Level: 11, 12 Credit: 1 Type: Physical Science
Prerequisite: Physics 9. C or better in Algebra 2 or Integrated 3. Concurrent enrollment in Calculus, Pre-calculus or Integrated 4 and teacher recommendation.

AP Physics B is a college-level course designed to provide advanced students with the conceptual framework, factual knowledge and algebraic knowledge to solve physics based problems. This course will yield a solid foundation for students wishing to pursue future studies in science and engineering. Topics include mechanics, fluids, thermodynamics, electricity, magnetism, waves, optics, and nuclear physics. This course will prepare students for the AP Physics B Exam.

SOCIAL STUDIES**4301GV Government**

Grade Level: 12 Credit: 1/2 Type: Government
Prerequisite: None

This is a one-semester course whose major units comprise a study of U.S. Government as well as state and local government. Legislative, executive, and judicial functions at all levels will be reviewed. This course satisfies the one-half unit in government mandated by the State of Missouri as a requirement for graduation. (This course covers the same curriculum as the first semester of ninth grade social studies in Columbia Public Schools.)

Seniors will be given priority to meet graduation requirements. The course is not available to sophomores and juniors. Sophomores and juniors should take the summer school course.

0520NC World Studies

Grade Level: 10 Credit: 2 Type: World History/English
Prerequisite: None

This team-taught course combines the study of world history and world literature through a thematic approach with products ranging from essays to exhibition assessments. This course equips students with critical thinking, reading, writing, oral communication, and research skills. Course resources include history text books, a wide variety of literature (including fiction, non-fiction, and poetry) as well as multi-media sources. Self-motivated students with a strong work ethic should select the faster paced honors section of World Studies. Upon successful completion of the course, the student will receive one credit in World History and one credit in English.

0525NC World Studies - Honors

Grade Level: 10 Credit: 2 Type: World History/English
Prerequisite: None

This team-taught course combines the study of world history and world literature through a thematic approach with emphasis on essay and exhibition assessments. The course is designed for the student who has demonstrated strong ability in the areas of critical thinking, reading, and writing, oral communications, and research skills. Course resources include history text books, a wide variety of literature (including fiction, non-fiction, and poetry) as well as multi-media sources. Self-motivated students with a strong work ethic should select this faster paced honors section of World Studies. Upon successful completion of the course, the student will receive one credit in Honors World History and one credit in Honors 10th grade English.

0527NC AP World Studies

Grade Level: 10 Credit: 2 Type: World History/English
Prerequisite: 9th grade teacher recommendation

This team-taught course provides an intensive investigation of major themes of world history and world literature. The challenging course is designed for self-motivated students with an intellectual curiosity about world cultures and a strong work ethic. Students will practice and hone the skill to write college level essays, debate controversial issues, and think creatively. Students will develop the ability to generate the arguments independently. Students have the option to take the AP Exam in World History and possibly earn college credit. **(There is no corresponding AP Exam for English.)** Upon successful completion of this course, the student will receive one credit in AP World History and one credit in Honors 10th grade English.

0530NC U.S. Studies

Grade Level: 11 Credit: 2 Type: U.S. History/English
Prerequisite: None

This team-taught course combines the study of U.S. history and literature through a thematic approach that emphasizes reading, writing and critical thinking skills. Plays, novels, short stories and essays broaden student understanding of U.S. history as well as the major themes in U.S. literature. At the end of the year the student will receive one credit in U.S. History and one credit in English. **Each student will have the choice to, and is encouraged to, contract for Honors credit.** Contracting for

Honors credit allows the student to take ownership over his or her own learning and enriches the curricular experience by making real world applications.

0540NC AP United States History/AP English Language and Composition

Grade Level: 11 Credit: 2 Type: U.S. History/English
Prerequisite: None

This course provides an intensive investigation of the major themes and events of United States history. Study of primary as well as secondary historical sources in common with AP English Language will be emphasized. The course is designed for the student who has demonstrated high ability in the areas of critical thinking, reading, and writing. Students will be prepared to take the AP US History Exam for college credit. Students enrolled in this course will be automatically enrolled in AP English Language.

4706SS1/4706SS2 AP Government & Politics: Comparative / AP Government & Politics: United States

Grade Level: 11, 12 Credit: 1 Type: Government
Prerequisite: None

This year-long course is a comparative study of seven governmental systems in preparation for the AP examinations in both United States Government and Comparative Government. The systems are those of the: United States, United Kingdom, Mexico, China, Nigeria, U.S.S.R./Russian Republic and Iran. Areas of comparison include: sovereignty, authority and power, political institutions, citizens and state, political and economic change and public policy. To be successful a student must demonstrate superior critical thinking, reading and writing skills. **Students needing the required government course for graduation must consult with the instructor BEFORE enrolling in this course!**

4800SS/4804SS World Geography/Contemporary Issues

Grade Level: 10, 11, 12 Credit: 1 Type: Social Studies
Prerequisite: None

In this year long course, students will engage in a problems-based study of global issues prevalent in the world today. During the first semester, students will focus on building an understanding of basic geographic principles and an understanding of how physical landscapes, population, culture, and politics contribute to the major issues in our world today. **Students may contract for AP Human Geography credit.**

4806SS AP European History

Grade Level: 10, 11, 12 Credit: 1 Type: Social Studies
Prerequisite: None

Providing an intensive investigation of European Civilization from the Renaissance to the present this course is designed to prepare students for the AP Examination in European History. Structured around a chronological framework the class requires strong analytical skills and interest in the field of history. AP European History is designed for the student who has demonstrated high ability in the areas of critical thinking, reading and writing. This course does not meet the district graduation requirement in World History. [Humanities would be a very appropriate complement to this course.]

4807SS History of the Old West

Grade Level: 11, 12 Credit: 1/2 Type: Social Studies
Prerequisite: None

This one-semester course will concentrate on 19th Century America's factual and mythical relationship with its frontier, west of the Mississippi. The course will take an in-depth look at how Native Americans, Ranchers, African-American Frontiersmen, Miners, Trappers, Frontier women, and other settlers struggled to coexist. This course will be student centered with members of the class doing in-depth research and reading as well as sharpening their skills in written and oral communication. Students are also expected to plan an active role in class discussion.

4811SS Psychology

Grade Level: 11, 12 Credit: 1/2 Type: Social Studies
Prerequisite: None

Why do we behave the way we do? What motivates us? Psychology is a one-semester course that deals with these and

many other questions related to individual behavior. Both scientific and personal aspects of the course will be stressed. Among the areas covered are: social psychology, the brain and biology, sensations and perceptions, memory and learning theories, motivation, emotions, altered states of consciousness, stress and adjustment, personality theories, and abnormal psychology.

4812SS AP Psychology

Grade Level: 11, 12 Credit: 1 Type: Social Studies
Prerequisite: None

This yearlong course has been designed to provide study of the human mind and behavior and to prepare students who wish to take the AP Examination in Psychology; however, taking the test is not a requirement for the class. Serious interest in psychology and high abilities in reading and writing are a must for this class. This course will be a good indicator for those contemplating the possibility of psychology as part of a future career. This course will cover the topics in Psychology as well as going into greater depth for each topic.

4813SS Sociology

Grade Level: 11, 12 Credit: 1/2 Type: Social Studies
Prerequisite: None

Sociology is the study of human social interaction and the social structures and groups that these interactions create and maintain. This semester course emphasizes the processes which sociologists use to study social events and conditions. Socialization, major social institutions, social stratification, and social change are the general areas this course outlines.

4515SS Popular American Culture

Grade Level: 12 Credit: 1 Type: English or Social Studies
Prerequisite: None

This team-taught course taken for English or Social Studies credit examines popular culture as both a reflector and a producer of social change in American society. Students will examine popular culture through different forms of media such as advertising, film, television, music and through the reading of literature and poetry in order to become critical consumers of culture. To demonstrate an in-depth understanding of the influence of popular culture, students will develop the critical thinking skills of analysis, synthesis, and evaluation. These skills will be critiqued in different modes of student performance including writing, oral presentations, and research projects. **Students may elect to contract for honors credit on an individual basis once enrolled in the class in the fall.**

STUDENT VOLUNTEER CORPS

1410AD/MEN Sophomore Advisory/Senior Mentor

Grade Level: 12 Credit: 1 Type: Elective
Prerequisite: Application and interview required

Provides seniors an opportunity to develop mentoring relationships and support sophomore students as they transition from junior to senior high. The mentors serve a key role in orienting students to Rock Bridge, teaching about the school community and culture and helping all students feel connected. Mentors are assigned to advisory classes to help with tutoring and serve as a support to programs/presentations throughout the year. In addition, mentors will also teach mini-lessons throughout the school year that focus on communication and study skills. The pass/fail grade will be based on attendance and participation.

1410MEDIA Media Center Student Assistant

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: Application and Media Specialist approval

Provides students an opportunity to assist Media Center Specialists with the following tasks: cleaning; shelving books, magazines, and other materials; preparing books for cataloging; helping students, faculty, and staff find books and materials; providing technical assistance to students, faculty, and staff; and assisting with the RBHS web page. Students who apply should have the ability to relate to students, faculty, and staff in a positive

manner, and possess excellent problem-solving skills. The ability to self-direct and help where and when needed is also important.

1410MT RB Mentor/Tutor

Grade Level: 11, 12 Credit: 1 Type: Elective

Prerequisite: Application and interview required

Provides an opportunity for high school students to travel to New Haven Elementary School, Rock Bridge Elementary School, Gentry Middle School or Smithton Middle School to serve as a classroom tutor or mentor for an individual middle school or elementary student. Students are required to travel to their host school during one block on alternating days. **They must provide their own transportation to and from the school.** Students are assigned to a classroom teacher at New Haven Elementary School who directs their tutoring experience or to an individual student at Rock Bridge Elementary, Gentry or Smithton for one-on-one mentoring. This is a year-long commitment.

1410WBTUT West Boulevard Tutoring – Stand By Me Mentor Program

Grade Level: 11, 12 Credit: 1 Type: Elective

Prerequisite: Application and interview required

Stand-By-Me mentors will establish long-term, trusting relationships with individual 4th and 5th grade students. They provide support, encouragement and appropriate challenges as well as, inspire concrete visions for a positive future for these students. Students are required to travel to West Boulevard Elementary during one block on alternating days. They must provide their own transportation to and from the school. Students report to the Stand-By-Me program coordinator at West Boulevard Elementary School for training and assignment. This course is a year-long commitment.

1410OFF Office Assistant

Grade Level: 11, 12 Credit: 1 Type: Elective

Prerequisite: Application required and approval of Copy Center Supervisor

Provides students an opportunity to assist with clerical tasks in the Rock Bridge main office, Assistant Principal's office, Activities office, and copy center. The Copy Center Supervisor provides training, assignments, and supervision. Responsibilities may include making copies, delivering messages and copies, sorting, folding, and stuffing materials.

1410TA Teacher Assistant

Grade Level: 11, 12 Credit: ½ per year Type: Elective

Prerequisite: Application required

Provides students an opportunity to work closely with an individual teacher. Students may be placed with a teacher of their choice or may be assigned to a teacher. Responsibilities may include delivering materials to the copying center, word processing, tutoring, managing materials, or assisting groups of students in the classroom or in the media center.

TECHNOLOGY EDUCATION

7730PA Theater Technology 1

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art

Prerequisite: None

Learn to design, construct, and manage scene sets for theater productions. Students will learn the basics of designing theater sets and they will learn how to safely use construction tools when building sets. Students will participate in the construction of scene sets for various school plays and musicals and will have the opportunity to be members of actual technical crews for plays and musicals.

7685PA Introduction to Architecture and Design

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art

Prerequisite: None

Learning about specific elements (such as: proper kitchen design, working triangle, square footage, total floor plan design, home styles and much more) in the world of architecture is the foundation of this course. Students will investigate architecture and its related fields through drawing, both mechanical and CAD,

rendering and creating a House Model. In this course the students will discover the many aspects of what an Architect's career is all about. This is a semester course.

Follow-up: CAD, Civil Engineering

VIRTUAL INSTRUCTION COURSES

What is virtual/online instruction? Virtual instruction means that students take the entire course online in a virtual learning environment as opposed to face-to-face instruction. Online learning is emerging as an essential part of the K-12 educational landscape. Through virtual instruction, CPS students have access to quality online learning opportunities in a variety of forms to meet their educational needs.

Columbia Public Schools is proud to offer virtual instruction opportunities to all students in grades 9-12. There is no cost to students taking online courses as long as the hours do not exceed the instructional hours of the school day. Students have 14 days to review virtual courses. Course withdrawals are not allowed after 14 days. Students **must** have 1 hour of daily Internet access to take virtual courses.

All curricular content is delivered virtually online. All courses are taught by certified instructors. **Students must have approval from their guidance counselor to take virtual courses.** Counselors and students will work together to complete the necessary paperwork.

CPS Virtual Instruction

CPS virtual instruction courses are taught by CPS instructors. All content is delivered virtually online. Virtual classes are offered in a scheduled, asynchronous mode for students in grades 9-12. This means students are expected to log in daily to the virtual course to complete weekly assignments. Students can complete work at any time during the week, as long as work is posted by specified due dates. Students are required to post to discussion boards, blogs and wikis and there is at least one group project per class.

1430ELO Career Path Internship

Grade Level: 12 Credit: 1 Type: Elective

Prerequisite: Application and completed internship paperwork. APPLICATION AND PAPERWORK MUST BE COMPLETED AND TURNED IN WITH THE COURSE REQUEST FORM.

Internships provide a valuable opportunity for students to explore career path options while gaining work experience. This year-long, online/independent study course will provide students the opportunity to explore their career interests through "on-the-job" experience coupled with class lessons and assignments. Grades/credit will be determined by the internship coordinator and are based on: internship performance and supervisor evaluations, **accompanying school assignments** (such as participation in ANGEL discussion boards, journals, career research, etc.), and completion of internship hours (70 per semester). **Students should be self-motivated and responsible with excellent time management and organizational skills.** Internship requirements include:

*A completed application packet (from internship coordinator, available in Guidance) and successful interview with a business. **Note:** Internships are not for jobs you already have; they are intended to help you decide on future career paths. In most cases, you will not be paid for an internship. Students are responsible for choosing and setting up their own internship sites; however, if needed you may see Mrs. Reed for assistance prior to turning in course requests.

*70 hours minimum at internship site each semester - a minimum of five hours per week at internship site, providing your own transportation.

2446LAO Scientific Writing Online

Grade Level: 11, 12 Credit: 1/2 Type: Language Art

Prerequisite: None

This intensive reading and writing course is designed for the accelerated student who is interested in sciences, mathematics, technology, and/or engineering. The course aims to give students

foundational knowledge, exposure, and practice in the areas of science writing, technical writing, and research methods and presentation. Students will be expected to meet pacing deadlines throughout the course. Students are required to attend a face to face orientation and also to complete an independent research project culminating in a face to face research showcase performance final.

2447LAO Critical Reading in a Digital World Online

Grade Level: 10, 11, 12 Credit: 1/2 Type: Language Art
Prerequisite: None

This challenging reading enrichment course is designed for students with a very strong interest in literary analysis/criticism who wish to further develop their skills in an online, collaborative book-share environment. By reading different self-selected novels and a variety of teacher-selected short stories, students in this course will learn the basic conventions of the following genres: realistic fiction, historical fiction, nonfiction, science fiction, fantasy, mythology, and sequential art narratives. Students will respond to their reading through extensive online book-blog journal entries and critical book reviews, and will share their responses with peers through discussion boards and other interactive media sources. The course will culminate with an examination of multimedia texts and the creation of a video "book trailer" for one of the novels read during the course.

2449LAO Creative Writing in a Digital World Online

Grade Level: 10, 11, 12 Credit: 1/2 Type: Language Art
Prerequisite: None

This challenging creative writing course is designed for students with a very strong interest in the craft of writing who wish to further develop their skills in an online, professional workshop environment. Writers in this course will learn the basic conventions of and develop their own original work within the following media: short stories, memoirs, poetry, and scripts/screenplays for short plays/films. Students will share their work online with peers and constructively critique others' work through discussion boards and other interactive media sources. Instructor podcasts and professional "mentor text" reading will provide students with a greater understanding of the strategies, habits, and styles of contemporary professional writers. The course will culminate with the creation of a multimedia adaptation of original student work.

6550HEO CPS Health Online

Grade Level: 10, 11, 12 Credit: 1/2 Type: Health Science
Prerequisite: None

This course is designed to increase the knowledge of the human body and raise awareness of health-related issues. The three main areas of study include first aid & safety; fitness and nutrition; and human sexuality and healthy relationships.

NOT OFFERED FALL 2012

7216PAO Elements of Game Design Online

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: None

This innovative (though challenging) course is designed for students with a very strong interest in designing physical, tabletop, and video games for recreational and educational purposes. Students in this course will be taught to read games as "texts" and to critically deconstruct them in to their basic elements of goals, rules, space, mechanics, and components. Using this knowledge, students will modify existing game structures and design their own original game compositions and play test their designs. They will also participate in an interactive narrative software program called Gamestar Mechanic that will instruct them in the processes of designing basic video games. The course will be writing-intensive, featuring a variety of reports, critical reviews, design sketches, and fan-fiction narratives. It will require usage of cross-curricular knowledge from social studies, fine arts, PE, science and technology courses.

7240PFO Personal Finance Online

Grade Level: 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: None

This course will help students learn how to manage their money. They will learn how to make proper financial decisions, prepare a budget, understand tax liabilities, evaluate insurance, explore investment options, and promote intelligent spending, saving, and use of credit. In addition students will analyze how career choice, education, skills and economic conditions affect income and their financial decisions. This course will focus on the state mandated competencies of income, money management, spending and credit, and saving and investing.

7255PAO My Own Business Online

Grade Level: 10 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: None

Have a great business idea? Like the idea of being your own boss? Find out if you have the traits to become a successful entrepreneur. Entrepreneurship will examine what it takes to research, finance, start and manage your own business. As you progress through the unit projects you will build a workable business plan. Units include entrepreneur traits, business opportunities, marketing, finance, accounting, management, legal issues, global markets and competition

7683PAO Introduction to Architecture Online

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: None

In this online course you will work with applications that facilitate interactive information sharing and collaboration about the field of Architecture. This course will be offered in an online environment using Angel. Students will learn about specific elements of Architecture (specifically home design) such as: proper kitchen design, working triangle, square footage, floor plan design, historic home styles and much more. Students will investigate architecture and its related fields through drawing, both mechanical and CAD, rendering and creating a "Virtual" House Model. In this course the students will discover the many aspects of what an Architect's career is all about. Students will need a high speed internet connection and a cell phone.

9125PAO Web 2.0: Dynamic Apps in the Cloud Online

NOTE: This is a Practical Art Credit—NOT a Fine Art Credit
Prerequisite: None

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art

Work with applications that facilitate online interactive information sharing and collaboration. Browser "apps", podcasts, video conferencing, and online digital storytelling tools will be explored. Work in "the cloud", to set up a Google account and learn to use Google docs, iGoogle, Google sites, and many more! Ethical issues, online safety, and social networking tools will also be discussed in the course. Students will need access to a high speed Internet connection, and a computer with microphone and speakers (or headset). A webcam and cell phone with texting are recommended but not required. This course is delivered in an online environment using Angel.

9130PAO Digital Media Online

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
Prerequisite: None

In this fast-paced course, you will work with complex software to create digital collages and scrapbook pages in Photoshop; create logos and original vector art in Illustrator; combine audio, image and video files into documentary and music videos using Audacity and Premiere, and code web pages with HTML. It is expected that students be able to type 30 words per minute, have strong file management skills and be able to follow multi-step directions. This course requires students to memorize some commands and determine when to apply these in unit projects.

9161PAO C++ Programming Online

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
Prerequisite: Keyboarding skills; C or better average in Geometry or Integrated Math 2

Have you ever heard of Adobe Photoshop, Google or Mozilla Firefox? They have one thing in common—they are developed in the C++ programming language. As one of the most popular programming languages ever created, C++ is widely used for both scientific and business applications. This class introduces you to elementary algorithms and basic programming so that you can design and implement a variety of computer-based solutions. You will create a zero player game first semester and build more visual interactive programs by the end of the year.

Virtual High School Options

Virtual High School (VHS) offers over 200 full semester courses as well as Advanced Placement full year courses and honors semester-length courses. VHS classes are offered in a scheduled, asynchronous mode for students in grades 9-12. This means students are expected to log in daily to the virtual course to complete weekly assignments. Students can complete work at any time during the week, as long as work is posted by specified due dates. Students are required to post to discussion boards, blogs and wikis and there is at least one group project per class. This course requires the use of special software. Students taking this course can access the software at a variety of Columbia Public School sites.

See Virtual High School website for course descriptions.
<http://www.govhs.org/>

Independent Virtual School Options

Students wanting an independent learning structure can choose to take virtual courses from the following: Florida Virtual School, Aventa Learning, and Apex Learning, per Guidance department recommendation. Review the course catalog links below for course descriptions.

FVSL Course List	http://tinyurl.com/flvshs
Aventa Course List	http://tinyurl.com/aventaHS
Apex Course List	http://tiny.cc/apexhs

The virtual courses below are for students who prefer a 1:1 teacher to student learning environment. Students enrolled in an independent virtual school course work with the instructor to arrange a personalized learning plan for completing course assignments. Teachers and students in the independent virtual school interact regularly through e-mail, online meeting rooms, telephone conversations, and instant messenger. Teachers are available from 8 a.m. to 7 p.m. daily, as well as scheduled weekend hours. Enrollment dates are flexible as long as students complete coursework within the CPS calendar year. Tuition for these courses will be paid by Columbia Public Schools as long as it falls within the school day schedule.

WORLD LANGUAGES

Some students may be exempt from the world languages requirements at college if they take 4 years of the same world languages in high school. Students should check with the colleges they plan to attend about advanced credit policies.

3020FL French 1

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: None

In French I students concentrate on the speaking of French, building vocabulary and learning basic grammatical constructions. The customs and traditions of the French-speaking world are introduced through various activities.

3030FL French 2

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: French 1. A grade of B or better is recommended in French 1.

Basic skills are reviewed and developed further in the areas of listening, speaking, reading and writing. The study of French culture continues.

3040FL French 3

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: French 2. A grade of B or better in French 2 is recommended.

This course adds more skills and reinforces those learned at lower levels. Grammar review, compositions, skits, poetry, films, short stories, etc. are included in the materials mastered.

3060FL French 4/5: Survey of Civilization (offered 2012-13)

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: This course is intended for the serious student of French with a grade of B or better in French 3.

This course continues to develop language skills through extensive reading and discussion of the history of France.

3070FL French 4/5: Topics in French (offered 2013-14)

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: This course is intended for the serious student of French with a grade of B or better in French 3.

French 4/5 continues the study of the French language and the culture in thematic units. Since this is an advanced course, the French language will be used exclusively in class.

3080FL AP French Language

Grade Level: 12 Credit: 1 Type: Elective
Prerequisite: Teacher recommendation required. It is recommended that students complete an upper level course before AP French.

The course contains grammar and vocabulary building in preparation for the AP language examination with an emphasis on speaking and writing.

3100FL German 1

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: None

The course is designed to develop basic listening, speaking, reading and writing skills. Vocabulary and pronunciation are taught through the use of text, audio sources and classroom conversation. History, geography and culture with emphasis on the present-day Germany, Austria, and Switzerland are taught with the help of videos, maps, films and discussion.

3110FL German 2

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: German 1. A grade of B or better is recommended in German 1.

The course will continue to build the basic skills learned in German I. Additional vocabulary and grammar will be taught through the increased use of German in classroom conversation, audio sources and text. Study of German culture with emphasis on modern Germany will be continued.

3120FL German 3

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: German 2. A grade of B or better is recommended in German 2.

This course strengthens the language skills learned in the previous courses. Original reading texts are introduced at this level, compositions and classroom conversations strengthen writing, listening and speaking skills. Films, videos and speakers add to the understanding of German history and culture.

3130FL German 4

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: German 3. A grade of B or better is recommended in German 3.

German 4 reinforces the grammar and vocabulary learned in German 1-3. Vocabulary building is emphasized through readings and class discussions in German. Students are exposed to current German usage through a greater number of original texts, film and television.

3140FL AP German Language

Grade Level: 12 Credit: 1 Type: Elective
Prerequisite: Teacher recommendation required

The course focuses on preparation for the AP language examination. It stresses grammar, speaking and writing as well as reading.

3200FL Japanese 1

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: None

This course introduces students to Japanese language, culture and geography. The student will develop the skills of listening, speaking, reading and writing Japanese. First semester will introduce Hiragana and Katakana symbols for writing and reading. This class requires good study skills and class participation.

3210FL Japanese 2

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: A grade of B or better in Japanese 1 is recommended

This course is a continuation of skills introduced in Japanese 1. Students will also learn some Kanji (Chinese characters) for reading and writing. Good study habits and active class participation are required.

3220FL Japanese 3

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: B in Japanese 2 is recommended

This course further advances the basic skills with more Kanji (Chinese characters). Several short stories and poems will be read and discussed. The student will learn more about Japanese culture and some history in this course.

3230FL Japanese 4

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: B in Japanese 3 is recommended

This course is a continuation of Japanese 3. In this course students will review everything learned during the past three years. The course will continue focusing on the skills of listening, speaking, reading and writing Japanese, as well as Japan's culture, history and Kanji.

3240FL Japanese 5

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: B in Japanese 4 is recommended

This course is a continuation of Japanese 4.

3400FL Latin 1

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: None

The goal of the Latin sequence is the development of the ability to read Latin. Latin 1 is the beginning of the study of basic Latin grammar and vocabulary. Roman culture (including history, mythology, art, and literature) and its influence on the modern world are presented whenever possible. In addition to exposure to the language and culture of the ancient Romans, the study of Latin is of value in improving knowledge of language structure and in increasing English vocabulary. Daily homework should be expected.

3410FL Latin 2

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: Latin 1. A grade of B or better in Latin 1 is recommended

Latin 2 continues the study of grammar and vocabulary. More complex constructions necessary for reading Latin literature are introduced, culminating in the study of authentic Latin texts. Texts from both the Medieval and Classical periods will be introduced with the study of appropriate historical and cultural topics.

3420FL Latin 3: Prose (offered 2013-14)

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: Latin 2. A grade of B or better in previous Latin courses is recommended.

Using grammar and vocabulary learned in the previous courses, selections are read from Caesar and other Latin writers, with an emphasis on history, government and culture of the Late Republic.

3430FL Latin 4: Poetry (Offered 2012-13)

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: Latin 2. A grade of B or better in previous Latin courses is recommended.

Using grammar and vocabulary learned in the previous courses, selections are read from Latin poets especially Vergil with an emphasis on mythology and the history, government and culture of the Early Empire.

3440FL Latin 5: Advanced Literature

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: Latin Prose or Poetry. Four years of Latin with a grade average of B or better is recommended and teacher approval is required.

Students will read, interpret and analyze a particular Latin author or authors or focus on a particular topic such as mythology, government, or comparative linguistic analysis (including Greek).

3445FL Latin 5 Honors: Advanced Literature

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: Latin Prose or Poetry. Four years of Latin with a grade average of B or better is recommended and teacher approval is required.

Students will read, interpret and analyze particular Latin authors to build translation and analysis skills. This class is for the serious Latin student and will move at a faster pace than previous levels.

3450FL AP Latin: Vergil

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: Juniors and seniors with instructor approval

This class involves preparation for AP credit in Latin. Lengthy selections from Vergil's poem *The Aeneid* are translated and analyzed.

3530FL Spanish 1

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: None

In Spanish I students concentrate on the speaking of Spanish, building vocabulary and learning basic grammatical constructions. The customs and traditions of the Spanish-speaking world are introduced through various activities.

3535FL Spanish 2

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: A grade of B or better in Spanish 1 is recommended.

Spanish 2 expands verbal and grammatical skills introduced in Spanish 1. Increasing emphasis is placed on listening, speaking, reading and writing skills. The culture of the Spanish-speaking world is also included.

3550FL Spanish 3

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: A grade of B or better in Spanish 2 is recommended.

Spanish 3 emphasizes utilizing the vocabulary and grammatical structures studied in the previous courses. More complex grammatical structures and readings are also studied. Cultural study is also expanded. Class discussions are done to a great extent in Spanish.

3560FL Spanish 4

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: This upper-level Pre-AP course is intended for the serious student of Spanish with a grade of B or better in Spanish 3.

Spanish 4 continues the study of the Spanish language and the culture of the countries in which it is spoken. This upper-level Pre-AP course helps prepare students for Spanish AP because students will explore selected topics in depth and will do more extensive writing and reading. Since this is an advanced course, the Spanish language will be used exclusively in class by teacher and students.

3580FL AP Spanish Language

Grade Level: 12 Credit: 1 Type: Elective
Prerequisite: Teacher recommendation required

This course focuses on grammar and vocabulary building to prepare students for the Spanish Language AP Exam. The Spanish language will be used exclusively in class. Increased emphasis will be placed on writing and speaking in Spanish. It is recommended that students complete an upper-level course before AP Spanish.

3610LA Introduction to Mythology

Grade Level: 10, 11, 12 Credit: 1/2 Type: Language Art
Prerequisite: None

This course will introduce students to the nature of myth (the traditional stories by which a people define their world and affirm their shared values). The world of classical mythology will be explored through original authors in translation, various interpretations of the original myths, and artistic (visual, poetic, and musical representations of myths.) Other mythologies will be introduced for comparative analysis. This is a reading and writing intensive course.

3615LA Classical Roots

Grade Level: 10, 11, 12 Credit: 1/2 Type: Language Art
Prerequisite: None

Over sixty percent of the words in English derive from the classical languages of Latin and Greek. This course will give students the skills needed to decode those English words by learning the meanings of classical roots, prefixes and suffixes and how words are derived. Students will also explore major areas of classical influences found in our American culture especially within vocational areas such as health sciences, law, the social sciences, and language arts. This course is good preparation for ACT/SAT testing. This course is writing intensive.

Mission Statement

Rock Bridge High School: Where Learning is for Life

RBHS Vision Statement

Rock Bridge High School will be a community in which students and staff inspire each other to become life-long learners.

This innovative community - founded upon the ideal of freedom with responsibility - will provide opportunities to help each student develop the skills necessary to be a contributing citizen of an ever-changing world.

Students and staff will work together to create, serve and achieve at the highest levels.