



Columbia Public Schools

**High School
Student Registration Guide**

2019-2020

2019-2020 REGISTRATION GUIDE

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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

Missouri State High School Activities Association (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 a student must be enrolled in and have earned the previous semester **80%** of the maximum allowable credits. For Columbia Public School 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 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 3.5 credits in the spring semester junior year • Be enrolled in 3.5 credit-earning classes 	<ul style="list-style-type: none"> • Have earned 3.5 credits in the fall semester senior year • Be enrolled in 3.5 credit-earning classes
Junior	<ul style="list-style-type: none"> • Have earned 3.5 credits (3.0 at HHS) in the spring semester sophomore year • Be enrolled in 3.5 credit-earning classes 	<ul style="list-style-type: none"> • Have earned 3.5 credits in the fall semester junior year • Be enrolled in 3.5 credit-earning classes
Sophomore	<ul style="list-style-type: none"> • Have earned 3.0 credits in the spring semester freshman year • Be enrolled in 3.5 credit-earning classes (3.0 and seminar at HHS) 	<ul style="list-style-type: none"> • Have earned 3.5 credits (3.0 at HHS) in the fall semester sophomore year • Be enrolled in 3.5 credit-earning classes (3.0 and seminar at HHS)
Freshman	<ul style="list-style-type: none"> • Promotion from 8th grade • Be enrolled in 3.0 credit-earning classes and advisory 	<ul style="list-style-type: none"> • Have earned 3.0 credits in the fall semester freshman year • Be enrolled in 3.0 credit-earning classes and advisory

If you have any questions, please contact your high school Athletic Director. To contact MSHSAA, call 875-4880.

NCAA Information

High school athletes who are considering playing college sports need to follow instructions on the NCAA Eligibility Center website (www.eligibilitycenter.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 be aware of and to follow the instructions from the NCAA.

ADMISSION/GRADUATION REQUIREMENTS

	<i>CPS 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)	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 and beyond)	3 (Algebra 1 and beyond, 4 units are strongly recommended)	3 (Algebra 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 (Including American History and 1 semester Govt.)
Health	.5			.5
Fine Arts	1	1	1	1
Practical Arts	1 (.5 must be Personal Finance)			1 plus .5 credit Personal Finance
PE	1			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 colleges or universities of interest to them 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.

Credits

- 4 **Language Arts** (3 credits must be English)
 - 3 **Mathematics**
 - 3 **Science** (1 credit of Biological Science, 1 credit of Physical Science, one additional)
 - 3 **Social Studies** (Must include .5 credit of Government, 1 credit of World, 1 credit of U.S.)
 - ½ **Health**
 - 1 **Fine Arts**
 - 1 **Practical Arts** (.5 credit Personal Finance required and can be used for practical art)
 - 1 **Physical Education**
 - 7 ½ **Electives**
- 24 Total Minimum Requirements**

- Each student must also pass the Missouri and United States constitution tests.
- 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 Columbia Public Schools for the first time must earn a minimum of three credits in order to be eligible for a Columbia Public Schools Diploma.
- See page 10 for Valedictorian/Salutatorian criteria.

Guidelines for Awarding Credit Prior to 9th Grade

Columbia Public Schools will award credit for high school level 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 for 1B.
3. Credit will be recorded on high school transcript as transfer credit with a grade. This grade is not calculated into the high school cumulative GPA.
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

All Columbia High Schools are 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, 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 high-wage job with skill development opportunities.

The deadline to enroll in the A+ Program is November 1st of the student's senior year. Students who complete all requirements of the **A+ Schools Program** qualify to receive an **A+ Financial Incentive** (Two years of fees and tuition at any Missouri public two-year community college or career/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 your school's counseling office and on school websites).
2. Attend an A+ designated school for three 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 A+ office at the student's high school). 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 better on the Algebra 1 End of Course Assessment or meet the combined ACT Math Score and cumulative GPA below:

<u>ACT Math Score</u>		<u>High School GPA</u>
17	and	2.5 or greater
16	and	2.8 or greater
15	and	3.0 or greater

8. Attend a Missouri community college or career/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 by February 1 of Senior year.
10. Have registered for Selective Service (male U.S. citizen over age 18)
11. Be a U.S. citizen or permanent resident when the A+ Financial Incentive is used.

See your high school A+ or counseling 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).

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. Per Columbia Public Schools Board Policy (IKF) transfer students must have earned a minimum of three approved credits in the Columbia School District's educational program to graduate with a Columbia Public Schools Diploma.

"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. THIS WILL AFFECT THE ABILITY TO TAKE THE DISTRICT OFFERED ACT FOR JUNIORS.** 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 the semester
- Senior status with 19 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 post-secondary institutions.

College Credit Opportunities

Columbia Public Schools offer 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 in specific credit by examination policies. See course guide for available Advanced Placement Courses.

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. Students may earn both high school and college credit for selected courses taken at the local colleges.

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 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. Scholarships are available for students participating in the free and reduced lunch program. Courses with articulation or dual credit opportunities are indicated in the course description.

Dual Credit Online Courses

College credit may be earned through Dual Credit online. Dual credit courses are courses that you take as a part of your high school class schedule, but you ALSO get college credit when you successfully complete them. **You get BOTH high school AND college credit!** College courses do cost money, but tuition is often offered at a reduced rate to high school students. **(Eligible students on free/reduced lunch qualify for scholarships and should see their counselor for more information).** Students sign up for dual credit online classes when they register online. Student should MAKE A NOTE ON YOUR WRITTEN REQUEST FORM that you'd like to take an online course, and list that course. Your counselor will do the rest. For more information about CPS Online's dual credit classes go to <http://cpsk12.org/cponline>

Audit and Repeat for Improved Grades

Auditing: A student must obtain approval by the appropriate department 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 department 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 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. The student 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 semester. Every effort is made to provide students with a schedule that includes their first choices. Schools cannot honor requests for specific teachers, lunch shifts or courses during a particular block. Also, we cannot guarantee that you will get semester classes during the semester you request.

We hire and assign staff to teach courses that students request. Class sections are created, reasonable class size limits are set, and course materials are ordered based on student request counts. Course request changes after the master schedule is finalized in the spring can result in imbalances and weaker educational experiences.

Course Withdrawal

1. Students may withdraw from a course up to the first Interim Progress Report of each semester without the course appearing on the transcript.
2. Students withdrawing from a course after the deadline will be assigned to either a study hall/academic resource class or be placed on part-time status (seniors only). 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 may be available for courses that are offered during the school day that conflict with the student's schedule. Students must find a certified teacher willing to offer their course independently. This option could also be available for a student who has a special interest, motivation or ability and has the commitment to complete course work independently. The building principal and department chair must approve all requests.

The following procedure should be followed:

1. Student needs to contact the counselor to discuss the request. Student will then contact the appropriate teacher to discuss the request. If the counselor and teacher are in agreement, an Independent Study Form is provided.
2. Together the teacher and student, in conjunction with the department 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 the counseling office and copies of the form distributed to student, teacher, counselor and school counseling office secretary.
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 main office.

CPS Online Courses

About CPS Online Courses

Did you know that many of the classes your currently take in a face-to-face setting are also offered online? CPS Online classes might be for you: CPS Online classes provide students with flexibility in when and where they work on their coursework!

Columbia Public Schools offers students in grades 9-12 the opportunity to take one or more of their classes online. In an online course, students take the entire course online as opposed to a face-to-face classroom environment. Online courses are listed in your Registration Guide (All online course numbers end in "O"). In addition, you can go to the CPS Online Programs web page at <http://www.cpsk12.org/cpsonline> for a current list of available courses.

Math	Science	English Language Arts
<ul style="list-style-type: none"> • Algebra 1 • Algebra 2^H • AP Calculus AB • Geometry^H • Concepts in Probability*+ • Concepts in Statistics*+ • Pre-Calculus^H • Trigonometry* 	<ul style="list-style-type: none"> • Biology • Chemistry • Environmental Science • AP Environmental Science • Astronomy • Forensic Science 	<ul style="list-style-type: none"> • 9th Grade English • 10th Grade English • 11th Grade English • 12th Grade English • Creative Writing*⊛ • AP Literature & Comp
Social Studies	Business/Marketing	Health/P.E.
<ul style="list-style-type: none"> • U.S. Government*⊛ • U.S. History • World History • Psychology*⊛ • Sociology*⊛ • AP Psychology 	<ul style="list-style-type: none"> • Personal Finance*⊛ 	<ul style="list-style-type: none"> • Health*⊛ • P.E.* ⊛ • P.E. 2*⊛
Technology	Electives	World Languages
<ul style="list-style-type: none"> • AP Computer Science • Digital Filmmaking Essentials • Digital Media Cloud Apps⊛ • Geospatial Technology 	<ul style="list-style-type: none"> • Art History* ⊛-only • Career Exploration*⊛ • Career Path Internship* • Driver's Education*⊛ • Introduction to Art*⊛ • Music Appreciation*⊛ • The Leadership Challenge* 	<ul style="list-style-type: none"> • French I • French II • Spanish I • Spanish II • Spanish III

*=Semester course

H=Honors section available

+ =Can be combined for a full year Probability and Statistics course

⊛=Also available during summer school

How Do CPS Online Courses Work?

- Students sign up for CPS Online classes when they register online...just **MAKE A NOTE ON YOUR WRITTEN REQUEST FORM that you'd like to take an online course, and list that course.** Your counselor will do the rest;
- CPS Online courses are taught by CPS instructors;
- There is no cost to students taking CPS Online courses and the hours cannot not exceed the instructional hours of the school day;
- CPS Online courses follow the same academic calendar as CPS face-to-face classes:
 - Students have 14 days to review online courses;
 - Deadline for course withdrawal is the same as for face-to-face courses;

- Online courses requiring a semester final exam will be taken at a school location and proctored by a CPS Online-approved proctor. Finals for online courses take place the same week as for face-to-face classes;
- CPS Online classes are offered in a scheduled, asynchronous mode. This means students can complete work any time of the day, as long as work is posted by specified due dates. Students are highly-encouraged to log in daily to the online course and complete weekly assignments;
- Teachers and students interact regularly through email, online meeting rooms, telephone conversations, and messaging;
- Students are expected to check their CPS-issued email regularly for communications from their CPS Online instructor and from the CPS Online Program;
- Students must have at least 1 hour of daily Internet access and a PC or Mac computer to take online courses;
- There will be an orientation event scheduled at each of the comprehensive high schools early in the semester for all students taking one or more online courses.

Wondering if a CPS Online Course is for you?

According to the Missouri Department of Elementary and Secondary Education, students who are considering taking an online course(s) should reflect on their personal skill before choosing to take courses online. They have identified the following personal skills as important to a student's success when taking an online course:

- Self-motivated
- Committed
- Responsible
- Independent
- Computer literate/tech savvy
- Efficient time manager
- Possess effective writing and communication skills

Go to the CPS Online Programs web page at <http://www.cpsk12.org/cponline> for a self-assessment to see if online classes are a good fit for you!

Missouri Course Access Program

Students who have been enrolled full time in a public or charter school for at least one semester immediately prior, may enroll part-time or full-time in the Missouri Course Access Program (MOCAP). Enrollment must be approved by Columbia Public Schools. A student with a documented medical or psychological condition that prevented the student from attending school during the previous semester shall be exempt from the requirement that a student is enrolled full-time in and attended a public school for at least one semester to enroll in MOCAP courses. For more information about MOCAP go to: <http://www.mocap.mo.gov>

The following are required to take a MOCAP course:

- _____ Student has attended a public school or charter school for at least one full semester immediately prior to the request;
- _____ Student resides in the district;
- _____ Student is enrolled as a full-time student in the district;
- _____ Course prerequisite courses have been completed;
- _____ Student is not carrying maximum academic load for the semester requested (i.e. this course would not be beyond the normal full load). You can continue to access MOCAP courses however in these cases the district is not required to pay for these courses;
- _____ Student has been successful in previous online courses (If applicable);
- _____ The student's IEP team has determined that a virtual course is consistent with the "appropriate" education the district is required to provide the student (if applicable).

Missouri Seal of Bi-Literacy

Introduction

The Missouri Seal of Biliteracy is an award granted by Columbia Public Schools to recognize students who have attained a designated level of proficiency in English and one or more other world language(s) before high school graduation. This recognition of biliteracy becomes a part of the high school transcript and serves as documentation of functional proficiency in English and another language for future employers, colleges and universities, and the community.

Eligibility

Any student who has acquired another language in addition to English is a potential awardee. Students may acquire proficiency in a language through traditional world language and ELA classrooms, community-based programs, at home, or by any other method. English learners (ELs) and other heritage language learners are also eligible. Students must pass state-approved standardized tests as proof of proficiency in English and the second language. And, because the ability to participate in a global society and economy is a necessity, a project to demonstrate the student's sociocultural competency is required of all students earning the Seal of Bi-Literacy.

Honors and Awards

Numerous awards are presented to Columbia Public Schools 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 2015-2016 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.

AGRICULTURE

9001PA Exploring Agricultural Science

Grade Level: 9 Credit: 1 Type: Practical Art
School: BHS, CACC, HHS

Exploring Agricultural Science introduces students to opportunities in agriculture by the exploration of careers and postsecondary opportunities. The course involves the study of communication, the science of agriculture, plants, animals, natural resources and agricultural mechanics. Students will experience many hands-on activities and will witness the benefits of member of FFA membership. Students may also start the development of a supervised agricultural experience (SAE).

9003PA Intro to Plant Science and Greenhouse

Grade Level: 10, 11 Credit: 1 Type: Practical Art
School: BHS, CACC, HHS

Do you like plants and flowers? If so, this course will give you the opportunity to learn about horticulture. Horticulture includes the growing, designing and selling of ornamental plants. You will learn about the four major areas of horticulture: floral design, landscaping, greenhouse plant production and fruit/vegetable gardening. Students will learn the principles of plants science, soil science and pest identification. Students will make a flower arrangement, grow and maintain tropical and flowering plants in a greenhouse, create a basic landscape design and maintain landscape plants such as trees, shrubs, lawns and flowers. Students will also plan and start a vegetable garden. Students should be free from plant allergies since work will be done with a variety of plant materials outside when designing and in the greenhouse. Additional opportunities will be available by participating in FFA.

Suggested prerequisite: Exploring Agriculture Science

Related: Floral and Plant Design, Greenhouse Production, Landscaping or any other agriculture class.

9005PA Floral And Plant Design

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

Students will learn to make floral arrangements in a variety of design styles: fresh and artificial holiday designs, vase designs for Valentine's Day, corsages and boutonnieres for prom, and everyday designs used throughout the year. Students will learn basic business practices throughout each unit culminating in plant sales for major holidays. Students will plan, prepare and run the sales. Students should be free from plant allergies since work will be done with a variety of plant materials when designing. Additional opportunities available by participating in FFA.

Related: Exploring Agricultural Science, Intro to Plant Science and Greenhouse.

College dual credit is available.

9008PA Advanced Horticulture

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

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

If you have a green thumb and love working in the great outdoors, Advanced Horticulture is for you! The horticulture industry is the fastest growing sector in the agriculture industry. Pick your passion and you'll learn business skills in landscape design, floral design or greenhouse production. Add some marketing sales savvy and learn how to grow your business to its greatest potential. Additional opportunities will be available by participating in FFA.

Related: Marketing

College dual credit may be available

9010PA Landscaping and Turf Management

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

Explore the exciting careers related to the 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 skills and install landscape plants in a variety of settings. Additional opportunities will be available by participating in FFA.

Related: Exploring Agricultural Science, Intro to Plant Science and Greenhouse, Wildlife, Conservation and Forestry

College dual credit may be available

Articulated college credit may be available

9018PA Greenhouse Production

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

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. This course emphasizes biological and organic methods of pest control, as well composting and other eco-friendly methods. Students will study aquaponics, the raising of fish and plants in a liquid medium, in collaboration with culinary arts and conservation courses. Additional opportunities will be available by participating in FFA.

Related: Exploring Agricultural Science, Intro to Plant Science and Greenhouse, Wildlife, Conservation and Forestry

College dual credit may be available

Articulated college credit may be available

9021PA Natural Resources and Wildlife Conservation

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
School: BHS, CACC, HHS

Students will be provided a variety of experience in the fields of natural resources and ecology, including land use, water quality, stewardship, flora and fauna and environmental agencies. Students will select an ecosystem to study throughout the course and apply principles of natural resources and ecology from each unit of study to that ecosystem. Ecosystem study will include biomes, land, air, water, energy, use and care with a focus on human's interaction with Earth.

Related: Any agriculture course

College dual credit may be available

9031PA Small Engine Technology

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
School: BHS, CACC, HHS

With the primary focus on 4-cycle engines and some exploration of 2-cycle engines, you'll have a year of instruction in the design and repair of the small engine equipment found in most homes and businesses across the country. Students will experience many hands-on activities and will witness the benefits of member of FFA membership.

Related: Exploring Agricultural Science, Agricultural Mechanics and Welding Technology

9041PA Agricultural Mechanics and Welding Technology

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
School: BHS, CACC, HHS

Improve the odds of ultimately landing a welding job as you develop skills essential to the workplace, including shop safety, wood and metal-working tool operation, reading and the development of project plans. The course provides specific training in ARC, MIG and Oxy-acetylene welding and cutting. Other units include: electrical circuits and basic plumbing, and project construction. Students will experience many hands-on activities and will witness the benefits of member of FFA membership.

Related: Exploring Agricultural Science and Small Engine Technology

Articulated college credit may be available

9042PA Advanced Welding and Project Fabrication

Grade Level: 11, 12 Credits: 2 Type: Practical Art
School: CACC

Prerequisite: C or better average in Agricultural Mechanics and Welding Technology or Certified Welding

Advanced Welding and Project Fabrication allows students to further enhance ARC and MIG skills, while students design and

construct major metal projects, such as trailers. The fabrication part of the course will start out with group projects to familiarize students with the real-world setting. Students will design and draw plans before construction of projects begins. 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 experience many hands-on activities and will witness the benefits of member of FFA membership.

Related: Computer Aided Design, Certified Welding
Articulated college credit may be available

9060PA Animal and Veterinary Science

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
School: BHS, CACC, HHS

With a focus on care and production of both farm and companion animals, this course also explores careers related to the care and breeding of domesticated animals, veterinarian, farm manager, livestock buyer, horse trainer and more. Students will be exposed to the benefits of the Columbia FFA.

Related: Exploring Agricultural Science; Wildlife, Conservation and Forestry

9062PA Advanced Animal Science

Grade Level: 11, 12 Credits: 2 Type: Practical Art
School: CACC

Prerequisite: C or better average in Animal and Veterinary Science

With a foundation in Animal and Veterinary Science, students will study animal care and health, parturition, livestock management, judging, fitting/showing, food science, poultry, agricultural records, and leadership. Advanced Animal Science is an excellent fit for students interested in pursuing careers or postsecondary education in animal-related topics. Students will experience many hands-on activities and will witness the benefits of member of FFA membership. Can earn 1 science credit.

College dual credit may be available
Articulated college credit may be available

9063PA Agricultural Business, Communications and Leadership

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

Prerequisite: Credit in 1 Ag course

Many exciting career opportunities are available in agribusiness, sales, marketing and management. This course provides the basics in sales, communications, finance, advertising and entrepreneurship for students interested in pursuing careers or postsecondary education in the agriculture industry. This course will address basic economic concepts and issues impacting the U.S. food and fiber industry and it will offer strong coverage of macroeconomic theory and international trade. Leadership and public speaking skills will be emphasized through participation in the FFA organization.

Articulated college credit may be available

VISUAL ART

8110FAA1 or 8110FAA2 Art Basics

Grade Level: 10, 11, 12 Credit: 1/2** Type: Fine Art
School: BHS, DHS, HHS, RBHS

Designed for beginning art students, this course explores a variety of different 2D and 3D art forms, styles and materials. This class focuses primarily on art making, but research, reading and writing will be components. This course does not fulfill any prerequisites for any advanced art courses. ***This class may be taken for a semester as a ½ credit and to complete the fine art credit if Art Basics was taken during summer school.*

8120FAA Art 1: Foundations

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art
School: BHS, DHS, HHS, RBHS

This course will benefit the student who enjoys art making and may want to continue into an advanced art class after completion. Art 1: Foundations is a general art course which

encourages students to discover the meaning, use, and influence of art in their daily lives. It offers opportunities for self-expression and personal development through units in drawing, painting, sculpture, decorative arts and design. In each of these areas the student will be exposed to aesthetics, art history, and art criticism with an emphasis on art production. Art 1: Foundations is a prerequisite for all advanced level art courses.

8130FAA Photography 1

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

Prerequisite: Art 1: Foundations

School: BHS, HHS, RBHS

Photography provides a fine arts credit. It addresses a wide range of subjects and approaches including landscape, still life, portraiture, abstraction/non-objective, architecture, and photojournalism. Students engage in the disciplines of photo criticism, aesthetics, and production. They demonstrate proficiency in creating photographs from conceptualization through shooting and developing black and white film to making black and white prints.

8131FAA Photography 2

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

Prerequisite: Photography 1

School: BHS, HHS, RBHS

Photography provides a fine arts credit. It addresses a wide range of subjects and approaches including landscape, still life, portraiture, abstraction/non-objective, architecture, and photojournalism. Students engage in the disciplines of photo criticism, aesthetics, and production. They demonstrate proficiency in creating photographs from conceptualization through shooting and developing black and white film to making black and white prints.

8140FAA Art 2: 2-D Design

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

Prerequisite: Art 1: Foundations

School: BHS, HHS, RBHS

This Fine Arts course involves studio inquiry into the nature of graphic design and visual problem solving by exploring the principles and elements of design in a variety of media. Projects are hand rendered along with some computer generated and mixed-media. Students will explore visual composition, typography, symbols, product design, and digital and print production processes. Color theory and design theory are also addressed. During the Graphic Design course, the student will demonstrate proficiency with the following media: pen and ink, marker, computer, paint, technical pen, and printmaking. For serious graphic design students, it is recommended this course be taken with Graphic Design and Desktop Publishing (9134PA).

8141FAA Art 2: 3-D Design

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

Prerequisite: Art 1: Foundations

School: BHS, HHS, RBHS

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 in clay. Ceramics focuses on hand-building and using surface decoration with some exposure to the potter's wheel. Students will create both sculptural objects and functional pieces. They will also be exposed to a variety of three dimensional building techniques and work with materials such as wood, plaster, and found objects. Additional work outside of class is a required expectation. This course is a pre-requisite for Art 2: 3-D Design 2 Advanced Exploration.

8142FAA Art 2: Studio Art - Drawing, Mixed Media & Painting

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

Prerequisite: Art 1: Foundations

School: BHS, DHS, HHS, RBHS

Studio Art: Drawing, Mixed Media & Painting combines the variety of projects and media seen in Art 1: Foundations with a sophistication of ideas and processes expected of an advanced art class. Students engage in drawing, painting and mixed media with an emphasis on creative problem solving and further

developing a passion for art. Additional work outside of class is a required expectation.

8143FAA Art 2: Studio Art - Fiber and Textile Design

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

Prerequisite: Art 1: Foundations

School: BHS

Fiber and Textile Design is an introduction to fibers, textiles and design exploration. In this course, students will work with a variety of materials such as: fabric, yarn threads, dyes, paper and natural materials to create 2 dimensional and 3 dimensional works of art. With the use of these materials will engage a variety of techniques with an emphasis on creative problem solving and further developing a passion for art. Additional work outside of class is required expectation. For further study or focus on textiles, it is recommended (not required) that this course be taken with 7540PA Fashion, Fabric and Construction 1.

8150FAA AP Studio Art 1: Drawing and Painting

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

Prerequisite: Studio Art

School: BHS, HHS, RBHS

Advanced Placement Art is designed for highly motivated 11th and 12th grade students who are serious about studying art in college and/or as a profession. Students prepare a portfolio, which may be submitted, to the Educational Testing Service for review and possible college credit. The course begins with teacher directed assignments. As it progresses through the year it becomes more student directed. The expectations and pace requires significantly more time than a typical high school course.

8151FAA AP Studio Art 2: Drawing and Painting

Grade Level: 12 Credit: 1 Type: Fine Art

Prerequisite: AP Studio Art 1

School: BHS, HHS, RBHS

Advanced Placement Art is designed for highly motivated 12th grade students who are serious about studying art in college and/or as a profession. Students prepare a portfolio, which may be submitted, to the Educational Testing Service for review and possible college credit. The course begins with teacher directed assignments. As it progresses through the year it becomes more student directed. The expectations and pace requires significantly more time than a typical high school course.

8160FAA AP Studio Art 1: 3D Design, Sculpture and Ceramics

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

Prerequisite: Art 2: 3-D Design

School: BHS, HHS and RBHS - Dual Credit Available HHS Only

Advanced Placement Art is designed for highly motivated 11th and 12th grade students who are serious about studying art in college and/or as a profession. 3D Design class is an advanced course that is designed for students who want to develop further mastery of the concepts and skills addressed in the 3D Design course. Students will create a portfolio addressing three major concerns in the study of art: quality, concentration, and breadth that may be submitted to the Educational Testing Service for review and possible college credit. This course is developed as a college level course and will consist of both teacher and student guided projects, and requires significantly more time than a typical high school course, additional work outside of class is required.

8161FAA AP Studio Art 2: 3D Design, Sculpture and Ceramics

Grade Level: 12 Credit: 1 Type: Fine Art

Prerequisite: AP Studio Art 1: 3D Design, Sculpture and Ceramics

School: BHS, HHS, RBHS - Dual Credit Available HHS Only

Advanced Placement Art is designed for highly motivated 12th grade students who are serious about studying art in college and/or as a profession. 3D Design class is an advanced course that is designed for students who want to develop further mastery of the concepts and skills addressed in the 3D Design course. Students will create a portfolio addressing three major concerns in the study of art: quality, concentration, and breadth that may be submitted to the College Board AP Program for review and possible college credit. This course is developed as a college

level course and will consist of both teacher and student guided projects, and requires significantly more time than a typical high school course, additional work outside of class is required.

8060FAC AP Art History

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

School: HHS*

In this course, students examine major forms of artistic expression from the ancient world to the present, and from a variety of cultures. Students learn to look at and analyze works of art within their historical context, and to articulate what they see or experience in a meaningful way. Students who have been successful in other courses in the humanities, such as history or literature, or in any of the arts, are encouraged to enroll. Success in the course should give the students the knowledge and background necessary to gain credit for passing in the Advanced Placement Art History Exam. **Students at Battle or Rock Bridge High School will be able to take this course but will need to provide appropriate transportation to Hickman High School*

BUSINESS/MARKETING/COMPUTER EDUCATION

7105PA Keyboarding

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art

School: BHS, DHS, HHS, RBHS,

Keyboarding is the foundation for developing skills for all careers. This keyboarding course is designed to help students develop speed and accuracy by learning the touch operation of alpha numeric/keyboard characters. THIS CLASS IS DESIGNED FOR STUDENTS WHO TYPE LESS THAN 25 WORDS PER MINUTE.

7110PA Business Principles

Grade Level: 9, 10 Credit: 1/2 Type: Practical Art

School: BHS, DHS, HHS, RBHS,

Students will launch a business venture, unleashing their entrepreneurial spirit, and learn the basics about functioning in the global business world. Students will create a business action plan incorporating entrepreneurial thinking, innovation and other 21st century skills. THIS IS A GREAT COURSE FOR ANYONE CONSIDERING GOING INTO THE BUSINESS CAREER PATHWAY.

0506NC Algebra 1 in Manufacturing Processes, Entrepreneurship and Design (AMPED) blocked with Business Principles

Grade Level: 9 Credit: 2 Type: Math and Practical Arts

Prerequisite: None

School: BHS

Algebra 1 AMPED

This course is one part of the combined AMPED course. The course engages students in extending the mathematics they learned in the earlier grades in an authentic business setting. Students will explore and apply functions, compare their key characteristics, and translate between graphical, numerical and symbolic representations of them. They will create and solve equations, and inequalities, systems of equations involving linear and quadratic expressions, extend the laws of exponents to rational exponents, and compare/contrast linear and exponential functions. Students will use regression techniques to describe linear relationships between quantities and use technology as an instructional tool throughout the course as they explore and make sense of problems in a real-world context.

Business Principles

This course is one part of the combined AMPED course. This course engages students by integrating entrepreneurship skills with the math skills they are learning in their Algebra 1 course in an authentic, real-world setting. Students will solve real world, practical problems as they develop and run an authentic business. This contextual learning experience combines business entrepreneurship and all Algebra 1 standards through relevant and interactive projects.

Note: This contextual learning experience combines all Algebra 1 standards and Business Principles standards through relevant

and interactive projects. Students will be enrolled in two courses and receive both an Algebra 1 and Practical Arts credit.

7210PA Computer Applications

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art
School: BHS, DHS, HHS, RBHS

Many colleges require this course for incoming freshman. This class is the ideal way to learn the essential computer skills needed regardless of career choice. Hands-on experiences with word processing, spreadsheet, presentation, and web 2.0 applications provide students with a practical exposure to computer usage. **DUAL CREDIT AVAILABLE FOR ELIGIBLE STUDENTS**

7220PA Financial Accounting

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Practical Art
School: BHS, HHS, RBHS

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. **DUAL CREDIT AVAILABLE FOR ELIGIBLE STUDENTS**

7240PF Personal Finance

7240PFO Personal Finance ONLINE

Grade Level: 11, 12 Credit: 1/2 Type: Practical Art
(Graduation Requirement)
School: BHS, DHS, HHS, RBHS, CPS Online

This course will help you manage your money. You'll learn how to make sound financial decisions, prepare a budget, understand tax liabilities, evaluate insurance, explore investment options, and promote intelligent spending, saving, and use of credit. In addition, you will analyze career choices, education, skills and how economic conditions affect income and your financial decisions. **DUAL CREDIT AVAILABLE FOR ELIGIBLE STUDENTS**

7260PA Law & Order

Grade Level: 10, 11, 12 Credit: 1/2 Type: Practical Art
School: BHS, HHS, RBHS

This course focuses on the creation and application of laws in various areas of society. Every society has laws that its citizens must follow. Whether it's juvenile, traffic, criminal or family laws, know your rights and protect yourself legally. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our communities and of our nation. Students will learn procedural aspects of law by running mock trials!

7243PA Investments 101

Grade Level: 11, 12 Credit: 1/2 Type: Practical Art
School: BHS, HHS, RBHS

In this course, students will develop a better understanding of investments, learn more about investing in stocks, corporate and municipal bonds, and other investments available to all individual investors. Students will analyze stocks using fundamental analysis and technical analysis. Students gain hands-on experience managing and investigating investments through real-world simulations.

AP Economics

The two AP Economic courses listed below are linked classes and students are expected to complete both semesters. This course is taught at the college level and prepares students to take both subject Advanced Placement examinations. Selecting these courses requires high motivation and individual responsibility. Students may meet the graduation requirement for Personal

Finance by passing AP Economics AND passing the state on-line assessment for Personal Finance.

7275PA AP Microeconomics

Grade Level: 11, 12 Credit: 1/2 Type: Practical Art
School: BHS, HHS, RBHS,

Advanced Placement Microeconomics will provide students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

7280PA AP Macroeconomics

Grade Level: 11, 12 Credit: 1/2 Type: Practical Art
School: BHS, HHS, RBHS,

Advanced Placement Macroeconomics will provide students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

9301PA Marketing

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
School: BHS, CACC, HHS

The top 2 fastest growing fields are marketing and sales, according to the US Department of Labor. To learn principles, skills and attitudes essential to marketing, you will work with a comprehensive set of concepts and problems. Students will focus on fundamentals of marketing, advertising, human relations, economics and communication as well as product development, sales promotion, packaging and distribution. Marketing is a must for anyone thinking about a career in business. As a member of this class, you are eligible for DECA membership.

Related: Digital Media, Broadcast TV

College dual credit may be available

Articulated college credit may be available

9125PAO Digital Media Cloud Apps (Online Only)

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

In this In this online course, you'll work with applications that facilitate online information sharing and collaboration. Use image, audio, video and animation apps for online digital media. Work in the cloud to use and share word processing, spreadsheet and presentations files. Learn to increase your productivity with educational apps and become a better digital citizen. Finish each semester by creating an online portfolio. Students may complete the content as a 1 or .5 credit course.

Related: Digital Media, Computer Applications

College dual credit may be available

9304PA Sports and Entertainment Marketing

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

Prerequisite: C or better average in Marketing or

Entrepreneurship

School: BHS, CACC, HHS

Look behind the scenes of a multibillion 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 career exploration. As a member of this class, you are eligible for DECA membership.

Related: Digital Media, Broadcast TV

9305PA Advertising and Promotion

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

Prerequisite: C or better average in Marketing or

Entrepreneurship

School: CACC

Discover how advertising and promotion 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. As a member of this class, you are eligible for DECA membership.

Related: Digital Media, Broadcast TV

College dual credit may be available

Articulated college credit may be available

9307PA Entrepreneurship

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

School: BHS, CACC, HHS

Do you want to be your own boss someday? Learn to write a business plan for a small business idea of your own. This class is a must for business and marketing students. You'll learn about entrepreneurship, leadership, management, marketing and finance. As a member of this class, you are eligible for DECA membership.

Related: Marketing, Accounting, Digital Media, Broadcast TV

College dual credit may be available

Articulated college credit may be available

9315PA Marketing Store Management

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

Prerequisite: C or better average in Marketing or

Entrepreneurship AND instructor approval

School: CACC, HHS

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 will include cash register operations, customer service, inventory control, pricing, product management, stocking and receiving and purchasing. The grading scale for this course will be pass/fail. As a member of this class, you are eligible for DECA membership.

9125PAO Digital Media Cloud Apps (Online Only)

Grade Level: 10, 11, 12 Credit: .5 or 1 Type: Practical Art

In this **online course**, you'll work with applications that facilitate online information sharing and collaboration. Use image, audio, video and animation apps for online digital media. Work in the cloud to use and share word processing, spreadsheet and presentations files. Learn to increase your productivity with educational apps and become a better digital citizen. Finish each semester by creating an online portfolio. Students may complete the content as a 1 or .5 credit course.

Related: Digital Media, Computer Applications

College dual credit may be available

9130PA Digital Media

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Practical Art

School: BHS, CACC, HHS

In this fast-paced course, you will work with complex software to create digital collages and magazine covers in Photoshop; create logos and original vector art in Illustrator; combine audio, image and video files into a documentary and music videos using Premiere; create a final online portfolio. It is an expectation that students can type at least thirty words per minute and have strong file management skills. This course requires a student to be able to follow multi-step directions, memorize commands and determine when to apply the techniques in appropriate projects.

Related: Computer Applications, Digital Media: Apps in the Cloud, 3D Modeling and Animation

College dual credit may be available

Articulated college credit may be available

9132PA Digital Media Studio

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

School: CACC

Digital Media Studio prepares students for careers in digital media. In this year-long 2-credit class, students will immerse themselves in the world of digital media while receiving individualized instructor feedback based on a plan of study designed by each student. Digital Media Studio will incorporate module-based learning in 3 paths: digital filmmaking, web design and graphic design. Students will also hone their media literacy skills as they write concise analytical, critical and reflective texts. Additionally, students will have the opportunity to participate in FBLA competitive events, internships, and earn Adobe Associate

Certifications Students will be provided a Polo-styled Studio shirt to promote a professional work environment.

College dual credit may be available

Articulated college credit may be available

9134PA Graphic Design and Visual Communications

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

Prerequisite: C or better average in Digital Media

School: BHS, HHS, CACC

Interested in print media? Challenge your creativity. Incorporate typography and design principles into visual communications. Design real-world projects such as logos, posters, catalog covers, magazine spreads and corporate identity sets. Submit entries into local and state competitions. You'll use InDesign for page layout and design, master advanced Adobe Photoshop techniques and create complex vector images using Adobe Illustrator, the required tools for professional graphic designers. This course helps prepare students to earn Adobe Certified Associate certification in Visual Communications.

Related: Art 1: Foundations, Computer Applications

College dual credit may be available

Articulated college credit may be available

9138PAO Digital Filmmaking Essentials (Online Only)

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

Prerequisite: C or better average in Digital Media

Plan and produce narrative and documentary films. Render the visual effects in a movie trailer. Use Adobe Premiere Pro and After Effects to create movie trailers, animated logos, short films and more. This course helps prepare students to earn Adobe Certified Associate certification in video communications.

Related: Graphic Design and Desktop Publishing, Music and Film Analysis

College dual credit may be available

Articulated college credit may be available

9145PA Broadcast TV 1

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Practical Art

School: BHS, CACC, HHS

In an introduction to broadcast journalism (TV news) and video production, students will explore the history of broadcast 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, anchoring and editing. Students eventually will be reporting for the school news show, CPS 360. Students will also learn how to create industry-standard video projects such as music videos, commercials and Public Service Announcements.

Related: Digital Media, Public Speaking, Journalistic Writing/Journalism, Newspaper, Yearbook, Studies in Popular American Culture

9146PA Broadcast TV 2

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

Prerequisite: C or better average in Broadcast Journalism 1

School: CACC

You will take full ownership of the CPS 360 news show. Producing, writing, editing, directing and anchoring CPS 360 are a large part of this course. Special projects include video franchise, radio show, live shots, live talk show hosting and interviewing. This class is deadline oriented and requires dedication to working as part of a news team. The filming of sports features and other school highlights in the evenings and weekends are required. Students will serve as the production crew for live sports streaming, including play by play announcing, camera operator and director. You will have the opportunity to attend the National Student Television Network Convention to compete against other high school news teams. Participation in SkillsUSA at the local and national level is an aspect of this course.

9147PA Broadcast TV 3

Grade Level: 11,12 Credit: 1 Type: Practical Art
Prerequisite: C or better average in Broadcast Journalism 2
School: CACC

You will take a leadership role as a producer or special projects producer, generating your live show with guests, feature reporting and sports events. You will also gain experience in content development and the production of promotional videos. Leadership and mentorship of Broadcast TV 1 and 2 students are expectations. You will have the opportunity to attend the National Student Television Network Convention to compete against other high schools. Participation in SkillsUSA at the local and national level is also a part of this course.

9148PA Broadcast TV Internship

Grade Level: 12 Credit: 1 type: Practical Art
Prerequisite: C or better average in Broadcast Journalism 2 or 3, instructor approved work site; record of strong attendance.
School: CACC

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

9674PA AP Computer Science Principles

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Practical Art
School: BHS, CACC, HHS

AP Computer Science Principles introduces students to the central ideas of computer science. Students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize and draw conclusions from trends. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems and discussing and writing about the importance of these problems and the impacts to their community, society and the world. The course is equivalent to a first-semester introductory college computer science course.

Related: Successful completion of Algebra 1 with a strong foundation in basic algebraic concepts dealing with function notation, such as $f(x) = x + 2$, and problem-solving strategies that require multiple approaches and collaborative efforts. Students should also be able to use a Cartesian (x,y) coordinate system to represent points on a plane.

9161PA C++ Programming

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
Prerequisite: C or better average in Geometry, Introduction to Computer Science, or AP Computer Science Principles; ability to logically create algebraic equations and expressions
School: CACC, HHS

Have you ever heard of Adobe Photoshop, Google or OS X? They have one thing in common—they are both built in the C++ programming language. As one of the most popular programming languages, C++ is used for both scientific and business applications. This college-level class introduces you to algorithms and programming, to assist in the design and implementation of a variety of computer-based solutions. Each class involves an application of fundamental concepts first semester followed by more interactive programs by the end of the year. To be successful, expect to work outside of class time.

College dual credit may be available
Articulated college credit may be available

9162PA Advanced C++ Programming

Grade Level: 11, 12 Credit: 1 Type: Practical Art
Prerequisite: C or better average in C++ Programming or AP Computer Science A School: CACC

Once you've successfully completed C++ or AP Computer Science, 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 allow students to cover bigger projects in less 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.

College dual credit may be available
Articulated college credit is available

9163PA Advanced Programming Projects and App Development

Grade Level: 11, 12 Credit: 1 Type: Practical Art
Prerequisite: C or better average in Advanced C++ or AP Computer Science A
School: CACC

Computer science is not a spectator sport! If you're a motivated student, you'll learn much more from hands-on problems, designing advanced algorithms and coding programs. Not only will students work in teams to design and develop, but they will also 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++, the course will also explore new languages.

9165PA AP Computer Science A

9165PAO AP Computer Science A ONLINE
Grade Level: 11, 12 Credit: 1 Type: Practical Art
School: BHS, CACC, HHS, CPS Online

Interested in gaining an advantage for your future? This intensive writing class provides motivated and academically prepared students the necessary groundwork for the Advanced Placement Computer Science exam. Focus areas include designing and implementing computer-based solutions to problems in a variety of application areas; developing, selecting and implementing algorithms and data structures; coding fluently in an object-oriented paradigm using Java; identifying major hardware and software components and their relationships; and recognizing the ethical and social implications of computer use. An online section will also be available.

Recommended: Experience in problem solving and knowledge of algebra; course builds upon a foundation of mathematical and spatial reasoning
Related: C++ Programming, AP Computer Science Principles
College dual credit may be available
Articulated college credit may be available

9800PA IT Essentials

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Practical Art
School: CACC

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 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 exams which validate the latest skills needed by computer support professionals.

Related: Keyboarding skills
College dual credit may be available
Articulated college credit may be available

9811PA Information Technology 1

Grade Level: 10, 11, 12 Credits: 2 Type: Practical Art
Prerequisite: C or better average in IT Essentials
School: CACC

Information Technology is IT! 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. Since a solid education and specific certifications are the best way to progress in an IT career, using

the new Cisco Switching and Routing curriculum prepares students for the CCENT (Cisco Certified Entry Networking Technician) certification. What a great starting point for a successful career in IT!

College dual credit may be available

Articulated college credit may be available

9812PA Information Technology 2

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

Prerequisite: C or better average in Information Technology 1

School: CACC

Step IT up! You're ready to move from the fundamentals to advanced courses of Scaling Networks and Connecting Networks. Using the top-down approach to networking, you'll master the concepts and skills required to design networks. Students will have plenty of opportunities for practical applications installing, operating and maintaining networks. Focus on accessing the local area network gives the skills necessary to be qualified as network technicians and network administrators. Areas of study include LAN Switching, VLANs, Wireless, ACLs and NAT. This course prepares students for the CCNA (Cisco Certified Network Associate) certification. The CCNA validates your ability to install, configure, operate and troubleshoot small-sized routed and switched networks.

Related: PLTW Digital Electronics, C++ Programming

College dual credit may be available

Articulated college credit may be available

9817PA Information Technology Internship

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

Prerequisite: C or better average in Information Technology 1, Information Technology 2 or IT Essentials AND Instructor permission

School: CACC

Obtain hands-on experience as a computer technician! You will apply your skills in a work environment and learn the tricks of the trade while working alongside the instructor and a professional computer technician.

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
School: BHS, DHS, HHS, RBHS

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 counseling 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

0120NC1 Study Hall

0120NC2 Study Hall

Grade Level: 9,10,11,12 Credit: 0 Type: None

School: BHS, HHS, RBHS

Study Hall is a block in the student's schedule where they can work on course work for the entire block. Students will have access to technology and some core content area tutoring.

0140EL Advisory +

Grade Level: 9 Credit: 0 Type: None

School: BHS, HHS, RBHS

Advisory+ provides students in Columbia Public Schools Gifted Education program the opportunity to participate in an alternative advisory experience with the added benefit of introducing students to the wide array of gifted education experiences available in high school. An alternating block for ninth grade students, advisory is a mandatory attendance class that will serve two purposes: to help students transition to high school smoothly and to provide dedicated study time.

1350EL Gifted Resource

Grade Level: 10, 11, 12 Credit: 0 Type: None

School: BHS, HHS

Gifted Resource provides gifted students in Columbia Public Schools gifted education program the opportunity to be guided by the gifted facilitator that may include test preparation help, college planning, and other instructional support. These experiences provide opportunities to be guided by the gifted facilitator and are student-directed.

1370EL Gifted Internship

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

School: BHS, HHS, RBHS

The gifted facilitator works with student to secure an internship opportunity with a CPS Partner in Education or another community contributor in an academic, service, or professional field. Securing an internship can be an elaborate process, so students must declare their intention early in the year, and they must provide their own transportation to and from the internship. During the Internship, students must maintain a daily log of their hours and an annotated description of their day-to-day experiences. The course culminates in a Celebration Showcase where students present the outcomes of their experience to students, faculty, and the community.

1360EL Advanced Seminars and Investigations:

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective

School: BHS, HHS

Advanced Seminars and Investigations provides gifted students in Columbia Public Schools gifted education program the opportunity to learn through direct instruction, Socratic seminars, project-based learning, and independent studies. These experiences will provide opportunities to be guided by the gifted facilitator and student-directed.

1429ELO Career Exploration (Online Only)

Grade Level: 9, 10, 11, 12* Credit: 1/2 Type: Elective

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 understand how personal history, interests, skills, and work values can impact career decisions. Throughout this semester-long, CPS online course, students will complete assignments and do research in order to develop the skills necessary to make informed and satisfying college and career decisions that fit with their expressed interests, skills, and goals. Students enrolling in this course should be self-motivated learners with excellent time management and organizational skills. **not recommended for second semester seniors.*

1430ELO Career Path Internship (Online)*

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

Prerequisite: Completed Internship Application and Agreement Form

This semester or year-long CPS online course will provide students the opportunity to explore career interests and develop job skills through "real world" experience at an internship or employment site. **Students are required to complete a minimum of 50 hours per semester at their internship/job site(s)*** in addition to completion of course assignments such as: monthly journals, writing a resume and cover letter, and participating in performance evaluations. Students will also be required to maintain a timesheet documenting their internship hours. Students enrolling in this course should be self-motivated and responsible with excellent time management skills. Students

must provide their own transportation to/from their internship site. Students are responsible for choosing and setting up their internship site(s); however, if needed, the course instructor can provide assistance in locating appropriate internship placement. **Interns must complete and submit the CP Internship Application to Mrs. Reed (reed@cpsk12.org) BEFORE the start of the class.** The CP Internship Application is available online at: <https://www.cpsk12.org/domain/5258>. Students may choose to intern at more than one site during the semester or year. ***Students may complete up to 30 hours during the summer prior to the school year in which they are enrolled in the CP Internship course. The CP Internship Application must be completed and submitted prior to the start of the summer for any summer hours to be accepted. Students must maintain a timesheet and have their summer hours verified by the internship site supervisor.**

1516ELO Drivers Education ONLINE

Grade Level: 10, 11, 12 Credit: ½ Type: Elective
Prerequisite: Must have a valid Missouri Learner's Permit. DOES NOT INCLUDE SUPERVISED DRIVER INSTRUCTION.

This online course will help to prepare for the challenges and responsibilities you'll face as a new driver. While you don't have to complete a Driver's Education course to receive your Missouri Driver's License, this online course can help you prepare for taking the DMV written test and driving test. Note that this course DOES NOT INCLUDE SUPERVISED DRIVING INSTRUCTION. Students will learn the basics of safe vehicle operation and road safety as well as be expected to complete and submit a student driver's log book of hours driven with the appropriate adult supervision.

1559EL ACT/College Prep Seminar

Grade Level: 10,11,12 Credit: 1/2 Type: Elective
School: BHS, HHS, RBHS

The ACT/College Prep seminar is designed for students who have not yet taken the ACT or who wish to improve their scores on the ACT. Subject area teachers provide instructional learning experiences using ACT Prep materials. Students participate in activities to assist in searching for post-secondary schools that match individual needs and goals.

1604ELO The Leadership Challenge (Online Only)

Grade Level: 11, 12 Credit: ½ Type: Elective
Prerequisite: Completed Leadership Application and Agreement Form

The Leadership Challenge is not your typical online class. In fact, it is more of an *experience* than a class. This class will help you to understand your role as a leader in your community, and will challenge you to grow in a variety of leadership areas. In this class, students will learn about characteristics of good leaders, leadership styles, teamwork and developing skills for tackling challenges. There is a focus on strong communication skills. The class will be taught using Schoology, have regular online assignments, mandatory check-ins with your instructor, and required online participation in discussion forums. This class is for upperclassmen only, who are currently serving in leadership roles in their school, community, or other local organization and want to grow in their leadership ability. Please submit a leadership application if you are willing to take on the challenge.

1610EL Sport & Performance Psychology

Grade Level: 10, 11, 12 Credit: 1/2 Type: Elective*
School: BHS, RBHS

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. (NOTE:* A social studies

version of this course, 4814SS Sport & Performance Psychology, is available at HHS.)

1633EL Advancement Via Individual Determination (AVID)

Grade Level: 9 Credit: 1 Type: Elective
School: BHS, HHS, RBHS

9th Grade AVID Elective Class (Application and Interview Required)

Advancement via Individual Determination (AVID) is a year-long academic elective course that prepares students for college readiness and success. Each week, students receive instruction utilizing a rigorous college preparatory curriculum, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth.

Some students will have previous experience with AVID at the middle grades, and some students will be experiencing AVID for the first time. Either way, the ninth-grade AVID Elective course will serve as a review of the AVID philosophy and strategies. Students will work on academic and personal goals and communication, adjusting to the high school setting. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. There is an emphasis on analytical writing, focusing on personal goals and thesis writing. Students will work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test taking, note-taking, and research techniques. They will take an active role in field trip and guest speaker preparations and presentations. Their college research will include financial topics and building their knowledge on colleges and careers of interest.

1634EL Advancement Via Individual Determination (AVID)

Grade Level: 10 Credit: 1 Type: Elective
School: BHS, HHS, RBHS

10th Grade AVID Elective Class (Application and Interview Required)

Advancement via Individual Determination (AVID) is a year-long academic elective course that prepares students for college readiness and success. Each week, students receive instruction utilizing a rigorous college preparatory curriculum, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth.

During the tenth-grade AVID Elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Students will also analyze various documents, in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.

1635EL Advancement Via Individual Determination (AVID)

Grade Level: 11 Credit: 1 Type: Elective
School: BHS, HHS, RBHS

11th Grade AVID Elective Class (Application and Interview Required)

Advancement via Individual Determination (AVID) is a year-long academic elective course that prepares students for college readiness and success. Each week, students receive instruction utilizing a rigorous college preparatory curriculum tutor-facilitated study groups, motivational activities and academic survival skills.

The course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking and research.

The eleventh grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their postsecondary plans.

1636EL Advancement Via Individual Determination (AVID)

Grade Level: 12 Credit: 1 Type: Elective

School: BHS, HHS, RBHS

12 Grade AVID Elective Class (Application and Interview Required)

Advancement via Individual Determination (AVID) is a year-long academic elective course that prepares students for college readiness and success. Each week, students receive instruction utilizing a rigorous college preparatory curriculum, tutor-facilitated study groups, motivational activities and academic survival skills. The course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking and research.

The AVID Elective twelfth grade course is the second part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project from research conducted in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID seniors are required to develop and present a portfolio representing their years of work in the AVID program, as well as complete the requirements for the seminar course.

1895EL Sports Medicine

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

Prerequisite: Biology

School: BHS, HHS, RBHS

This course examines many aspects related to athletic injuries. It begins by establishing the role of a certified athletic trainer and the entire sports medicine team at all levels of competition. The course identifies all types of athletic injuries and emphasizes 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 occurs. Students will learn first aid procedures for the injured athlete and taping/splinting techniques for various athletic injuries. The class will utilize both lecture and practical labs to learn these sports medicine skills. This course does not fulfill the physical education or science requirement for graduation.

ENGINEERING AND INDUSTRIAL TECHNOLOGY

9401PA Automotive Technology 1

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

School: CACC

Prerequisite: "C" or better average in Algebra 1; preference is given to students with strong attendance patterns.

Automotive Technology is a course that trains students in the basics of automotive maintenance and light repair. Over the course of two years students will learn the basic knowledge and skill sets outlined by the National Institute for Automotive Service Excellence (ASE)/National Automotive Technicians Education Foundation (NATEF). The skill sets include: brakes, steering and suspension, manual drive train, automatic transmission/transaxles, engine repair, heating/air conditioning, electrical/electronic and engine performance. During the two years, students will obtain the basic skills required to enter the

automotive repair industry as general service technicians; and at the completion of the two-year course enter industry as "B" Level Technicians.

Related: Small Engine Technology, PLTW-Digital Electronics
Articulated college credit may be available

9402PA Automotive Technology 2

Grade Level: 12 Credits: 2 Type: Practical Art

School: CACC

Prerequisite: "C" or better average in Automotive Technology 1

This course 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 details. Approved work clothes and shoes are required.

Articulated college credit may be available

9451PA Certified Welding 1

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

School: BHS, CACC, HHS

Certified Welding 1 is a course for students with little or no welding experience. Students will explore the field of welding, learn about employment opportunities, workplace protocols and the physics of welds. Students will be required to complete research reports, and textbook study followed by industry standard testing. Students will be asked to research and submit vocabulary (term of the week) acquisition papers weekly. Students will weld on a plate at industry standard positions, and submit those weld coupons for non-destructive testing. The course will include weekly visual tests (NDT-VT) and weld evaluations; acceptance and scoring will be based on industry standard criteria. Students will keep records and daily logs on welding progress. To be successful, students need a good foundation in math, science and literacy. Approved work clothes and shoes are required.

Articulated college credit may be available

9452PA Certified Welding 2

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

Prerequisite: C or better average in Certified Welding 1

School: BHS, HHS, CACC

This AWS accredited class will further develop students' welding skills on ferrous and nonferrous materials such as aluminum and stainless steel. Students can earn a Certificate of Completion as an "AWS Entry-Welder Level I." Students will be expected to learn advanced fit-up and layout as well as welding symbols. Approved work clothes and shoes are required.

Articulated college credit may be available

9453PA Certified Welding 3

Grade Level: 12 Credits: 2 Type: Practical Art

Prerequisite: C or better average in Certified Welding 2

School: CACC

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. Approved work clothes and shoes are required.

Articulated college credit may be available

9501PA Construction and Contracting 1

Grade: 10, 11 Credits: 2 Type: Practical Arts

School: CACC

In this course students will cover the basic concepts of the residential construction industry. The course also follows the National Center for Construction Education & Research curriculum and includes 33 major units of study taught over two years in Construction and Contracting 1 and 2. Construction and Contracting 1 students will study rough-in plumbing, electrical, drywall and interior finishes. Approved work shoes and clothes are required. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

Articulated college credit may be available

9502PA Construction and Contracting 2

Grade: 11, 12 Credits: 2 Type: Practical Arts

Prerequisite: C or better average in Construction & Contracting 1
School: CACC

This course is a continuation of Construction and Contracting 1 in which students will learn the remainder of the major units of instruction. Students will work on the beginning stages of home construction, including site layout, concrete, floor systems, wall systems, stairs, finishing with an enclosed structure. Approved work shoes and clothes are required. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

Articulated college credit may be available**9503PA Construction and Contracting 3**

Grade: 12 Credits: 2 Type: Practical Arts

Prerequisite: C or better average in Construction & Contracting 2
School: CACC

In the third year of Construction and Contracting students will complete advanced studies in roofing, wall and stair systems, construction equipment and crew leadership. As opportunities arise, students will be given opportunities to job shadow construction professionals. A portion of the course will be self-guided. Approved work shoes and clothes are required. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

9601PA Computer Aided Design 1

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

School: BHS, CACC, HHS

Recommended: C or better average in Algebra 1

CAD 1 will develop your skills in mechanical engineering design, 3D modeling, architectural drafting and 3D visualization. Students will utilize the latest AutoCAD, Architectural Desktop, Revit and 3D Studio Max software. Areas of study include 2D and 3D mechanical model design, architecture design and 3D visualization. All students will develop a portfolio by the end of the course comprised of traditional prints and advanced 3D designs and renderings.

College dual credit may be available**Articulated college credit** may be available**9602PA Computer Aided Design 2**

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

School: CACC

Prerequisite: C or better average in Computer Aided Design 1

CAD 2 is a class for students who not only want to become architects or engineers but want to develop their 3D creative design skills. Students will tackle advanced computer models and designs solo and in teams. Each student will select an area of design specialization using some or all the following: Architecture-Architectural Desktop and Revit, Mechanical-AutoCAD, Solidworks, Graphics-3D Studio Max, Maya, ZBrush, V-Ray, 3D Modeling and more.

College dual credit may be available**Articulated college credit** may be available**9604PA 3-D Animation Essentials**

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

School: BHS, CACC, HHS

Have you ever wondered how movie studios make dinosaurs or monsters come to life? Have you thought about the design of the massive worlds, weapons and characters of your favorite video games? If you have...this is the class for you! The course will provide opportunities for students to develop design skills used in 3D animation, game design and 3D visualization. 3DS MAX will serve as the primary software program. Students will also learn additional 3D software programs as time permits. Students will create projects in the areas of 3D modeling, animation and architectural 3D design; including lighting, materials and bone systems.

Related 3D Animation, CAD 1, PLTW Civil Engineering and Architecture**9606PA 3D Modeling and Animation**

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

School CACC

Prerequisite: C or better average in 3D Animation Essentials or Computer Aided Design 1

Students work in teams and develop individual projects concentrating on character design, 3D environments, lighting and materials. Students will develop skills using 3D Studio Max, Mudbox and Maya Zbrush. Teams of students will take turns to work on leadership skills while storyboarding, 3D modeling, lighting, texture mapping and post-production editing—all skills necessary for advertising, game design, movie effects, aerospace, automotive development, architectural design and medical professions.

Articulated college credit may be available**9610PA PLTW-Civil Engineering and Architecture**

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

School: CACC

Civil engineers and architects design, build and protect the physical and naturally built environment and infrastructure that modern society depends. This course will introduce students to the history, planning, designing, surveying and construction of modern infrastructure and the environment as well as structures such as bridges, houses, dams, highways and resources including water, soils and more. Opportunities for students to develop skills through projects using the latest Computer Aided Design software and cutting-edge survey and testing equipment. Examples of projects include: building models of balsa wood bridges and testing them for strength, surveying, augmented reality sandbox, topographic models, designing and drawing house plans, architectural style and structure house models, erosion table and topographic surveys.

Recommended: C or better average in Algebra 1.**College dual credit** may be available**Articulated college credit** may be available**9611PA Civil Engineering and Architecture 2**

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

School: CACC

Prerequisite: C or better average in Civil Engineering and Architecture or Computer Aided Design 1

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 and models that contain real-world methods and solutions. Using the latest Computer Aided Design programs, house plans will be designed, house models built 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. Students will walk away with a professional digital and physical portfolio of completed projects.

College dual credit may be available**Articulated college credit** may be available**9621PA Geospatial Technology****9621PAO Geospatial Technology ONLINE**

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Practical Art or .5

Practical Art and .5 Science or .5 Practical Art and .5 Social Studies

School: CACC, CPS Online

Use state of the art computer-enhanced information systems, satellite imagery and global positioning systems to solve real-world problems. Geospatial Technology is a core tool of the 21st century and impacts everything including directions in an unfamiliar city, disaster management and tracking the spread of disease—just to name a few. The future of our planet depends on this high-growth industry and needs trained professionals now! Earn 1 credit practical arts or can be divided to include .5 credit practical art, .5 credit science or .5 credit social studies.

Related: Geospatial Analysis**College dual credit** may be available

9622PA Geospatial Analysis

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art or .5 Practical Art and .5 Science or .5 Practical Art and .5 Social Studies

School: CACC

Prerequisite: C or better average in Geospatial Technology

In today's global environment, location matters more than many people imagine. ALL organizations—government, business, military, education—have assets, employees, customers and suppliers and all of those have a physical location, whether those locations are above, on or beneath the earth. Learn how to pull data from each of these categories and uncover trends not easily discovered by outdated analysis techniques. Talk about being an investigator without boundaries! Earn 1 credit practical arts or can be divided to include .5 credit practical art, .5 credit science, or .5 credit social studies.

9625PA Geospatial Internship

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

School: CACC

Prerequisite: C or better average in Geospatial Analysis AND instructor-approved work site and project; record of strong attendance

Students will work with the instructor on community projects and incorporate new concepts to their skill set. Students will produce a project working with industry or research advanced projects supporting the environment, education or public service.

9670PA PLTW – Introduction to Engineering Design

Grade Level: 9, 10 Credit: 1 Type: Practical Art

School: BHS, CACC, HHS

Co-Requisite: All PLTW courses require concurrent enrollment in (or satisfactory completion of) appropriate grade level math and science courses.

This course is designed for the student interested in an engineering related field of study. The major focus of this course is to expose students to the design process, research and analysis, teamwork, various communication methods, engineering standards and technical documentation. Through hands-on projects, students apply engineering standards while documenting their work in design. Students use industry standard 3D modeling software to help design solutions to solve proposed problems, document their work using an engineer's notebook and communicate solutions to peers and members of the professional community. The course assumes no previous knowledge.

Recommended: C or better average in 8th Grade Math or Pre-Algebra

Related: PLTW Digital Electronics, PLTW Robotics and Computer Integrated Manufacturing, PLTW Civil Engineering and Architecture, Laser Technology

College dual credit may be available

9671PA PLTW – Principles of Engineering

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

School: BHS, CACC, HHS

Prerequisite: Earned credit in Introduction to Engineering Design
Co-Requisite: All PLTW courses require concurrent enrollment in (or satisfactory completion of) appropriate grade level math and science courses.

This course builds on topics discussed in Introduction to Engineering Design and exposes students to major concepts they'll encounter in a postsecondary engineering course of study. Topics include mechanisms, energy, statics, materials and kinematics. Students develop their problem-solving skills and apply knowledge of research and design to create solutions to various challenges. The course also teaches the detailed documentation of work, while communicating solutions effectively.

Recommended: C or better average in Algebra 1 and a proficient score on the Intro to Engineering Design end of course assessment

Related: PLTW Digital Electronics, PLTW Robotics and Computer Integrated Manufacturing, PLTW Civil Engineering and Architecture, Computer Aided Design, Photonics

College dual credit may be available

Articulated college credit may be available

9751PA PLTW – Digital Electronics

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

School: CACC

Co-Requisite: All PLTW courses require concurrent enrollment in (or satisfactory completion of) appropriate grade level math and science courses

Digital Electronics is the study of electronic circuits that are used to process and control digital signals. Topics covered include logic gates, Base 2, 10, and 16 number systems, BCD, Boolean algebra, Karnaugh maps, flip-flops, counters, programmable logic devices, microcontrollers, and other related digital devices. Hands-on laboratory experiments, which augment the learning process, are an integral part of this course. The labs demonstrate real-world implementation of otherwise abstract academic concepts and provide valuable experience in breadboarding, testing and debugging circuits.

Recommended: C or better average in Algebra 1 or credit in PLTW Introduction to Engineering Design, or PLTW Principles of Engineering

Related: Laser Technology, PLTW - Robotics and Computer Integrated Manufacturing, PLTW - Introduction to Engineering Design, PLTW - Principles of Engineering

College dual credit may be available

Articulated college credit may be available

9757PA PLTW - Robotics and Computer Integrated Manufacturing

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

School: CACC

Design or PLTW Principles of Engineering

Co-Requisite: All PLTW courses require concurrent enrollment in (or satisfactory completion of) appropriate grade level math and science courses

Robotics and CIM is the study of robotics, programming and automation. Students will work with various types of robots and control systems and experiment with sensors, processors and actuators used in manufacturing. Learn to build custom robots to solve complex problems.

Recommended: C or better average in Algebra 1 or credit in PLTW - Introduction to Engineering

Related: Laser Technology, PLTW - Digital Electronics, PLTW - Introduction to Engineering Design, PLTW - Principles of Engineering

College dual credit may be available

Articulated college credit is available

9758PA PLTW - Engineering Design and Development

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

School: CACC

Prerequisite: PLTW Introduction to Engineering Design and PLTW Principles of Engineering or at least one of the following: PLTW Digital Electronics, PLTW Robotics and Computer Integrated Manufacturing, PLTW Civil Engineering and Architecture, Computer Aided Design 1, or Photonics 1.

Co-Requisite: All PLTW courses require concurrent enrollment in (or satisfactory completion of) appropriate grade level math and science courses

Engineering Design and Development is the capstone course in the PLTW engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The teams will create a working prototype of their solution, to deem the problem as "solved." The course applies and concurrently develops secondary-level knowledge and skills in mathematics, science and technology.

College dual credit may be available

Articulated college credit may be available

ENGLISH LANGUAGE LEARNERS

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

FAMILY AND CONSUMER SCIENCES

7500PA Child Development 1

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art
School: BHS, HHS, RBHS

This course serves as an excellent first glance into the care of an infant. Areas of focus include the benefits of studying children, prenatal, and infant development. With an understanding of growth and guidance of infants, the student should be able to prepare for future parental roles, employment in child care industry and/or continue with education in the area of Child Development.

7501PA Child Development 2

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: Child Development I
School: BHS, HHS, RBHS

This course serves as an excellent first glance into the care of young children. Units included in this course include examining the physical, intellectual, emotional and social development of toddlers and preschoolers. **This course is second semester only.** (Students successfully completing Child Development 1 and 2 may be eligible for a MACC dual enrollment opportunity which can lead to a Child Development Associate credential. See your instructor or counselor for more information)

7503PA Child Development Associate (CDA) Bridge (Dual enrollment college course through Moberly Area Community College)

Grade Level: 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: Child Development I and II (required)
School: BHS, HHS, RBHS

This course is designed for students entering the early childhood education field and planning to earn a Child Development Associate (CDA) credential. This course covers the content of eight subject areas required to meet the learning competencies of the CDA credential. It will also entail observation hours in licensed early childhood centers which may be applied towards the contact hour requirement of the certification process. (An Independent Study course can be taken following the Bridge course which entails additional observation hours in licensed early childhood centers.)

7505PA Family Studies

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art
School: BHS, HHS, RBHS

This course explores family types and trends, roles and functions, and the various challenges families face. Learn how families effectively manage all resources.

7520PA Teen and Social Issues

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art
School: BHS, HHS, RBHS

This course will provide valuable information to help teens make sound decisions that will impact their development. Some topics include societal issues such as; drugs, mental and sexual health, and media influences.

7535PA MyCuisine

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art
Students should not enroll in this course if they are enrolling in Culinary Arts 1 or have completed Culinary Arts 1.
School: BHS, DHS, HHS, RBHS

Do you enjoy being in the kitchen but not exactly sure where to start? Consider taking MyCuisine. 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 component of this class therefore attendance

is imperative. This course can be taken first semester and Global Cuisine second semester.

7537PA Global Cuisine

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: MyCuisine

Students should not enroll in this course if they are enrolling in Culinary Arts 1 or have completed Culinary Arts 1.

School: BHS, HHS, RBHS

Build upon skills learned in MyCuisine to help you travel around the world using your taste buds! Global Cuisine 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 component of this class therefore attendance is imperative

7540PA Fashion, Fabric and Construction 1 (Sewing)

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Practical Art
School: BHS, HHS, RBHS

This sewing-based class will focus on basic sewing techniques. Other units of study include: the elements of design, various body types and fashion terminology. Students will construct garments, accessories and service projects.

7545PA Fashion, Fabric and Construction 2 (Sewing)

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
Prerequisite: Fashion, Fabric and Construction 1
School: BHS, HHS, RBHS

Students will perfect skills learned in Fashion, Fabric, and Construction 1. New techniques will be introduced to include machine embroidery, draping and pattern fitting. Students will participate in a sewing service project. (Hickman students will also design and help with costumes for one of Hickman's musicals. While being in a construction class, students will not only continue to learn construction and fashion skills but will also play a vital role in Hickman's musical theatre).

7560PA Fashion Merchandising

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art
School: BHS, HHS, RBHS

Dig into the fashion industry by exploring fashion trends, fashion history and fashion terminology. Students will study influential designers and careers in the fashion world and apply the knowledge gained through a variety of hands-on projects. Some study will be devoted to fashion movement and merchandising.

7565PA Interior Design 1

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art
School: BHS, HHS, RBHS

Design your own space! Learn the basics of researching and utilizing design resources, housing choices, 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 and graph paper while creating floor plans and elevations. Students will also hear from those in the industry and will become aware of programs that offer Interior Design as a course of study.

7570PA Interior Design 2

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Practical Art
Prerequisite: Interior Design 1
School: BHS, HHS, RBHS

Ready to learn more about interior design? Students will analyze influences on architecture by studying the history of architecture. Students will compare architectural details to current housing and design trends. Hands on projects will be a major component of the class. Projects include a kitchen design that incorporates the six main work centers using an efficient work triangle. Floor plan drafting, and elevations will also be created. Students will be exposed to computer technology. **This course is second semester only.**

9215PA Teaching Professions

Grade Level: 10, 11, 12 Credit: 1 Type: Practical Art
School: BHS, CACC, HHS

This course will introduce students to the teaching profession. Explore educational history, teaching practices, various contexts of teaching and contemporary issues related to teacher education. Be encouraged to think more deeply, more broadly and more systematically about what teaching is, what teachers do, and whether teaching is an appropriate career choice for you.

Related: Psychology, Sociology, Child Development

College dual credit may be available

Articulated college credit may be available

9216PA Foundations of Teaching and Instruction

Grade Level: 11, 12 Credits: 2 Type: Practical Art
School: CACC

Prerequisite: C or better average in Teaching Professions; preference is given to students with a record of strong attendance; discipline review for violence, insubordination, drugs and stealing.

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 K-12 classrooms. Students will participate in grades preK-9 field experience, as well as develop a professional portfolio.

College dual credit may be available

Articulated college credit may be available

9217PA Teaching Professions Internship

Grade Level: 12 Credits: 2 Type: Practical Art
School: CACC

Prerequisite: C or better average in Foundations of Teaching and Instruction; instructor-approved work site; record of strong attendance; discipline review for violence, insubordination, drugs, and stealing.

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 and 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.

College dual credit may be available

Articulated college credit may be available

9951PA Culinary Arts 1

Grade: 10, 11 Credits: 2 Type: Practical Arts
School: BHS, CACC, HHS

Welcome to the world of professional cooking. You will learn sanitation, knife cuts, stocks, vegetable and starch cookery, soups, moist and dry cooking methods. We will explore every facet of culinary arts, as well as learn the vital practice of quality food prep.

Articulated college credit may be available

9952PA Culinary Arts 2

Grade: 10, 11, 12 Credits: 2 Type: Practical Art
School: CACC

Prerequisite: C or better average in Culinary Arts 1

This class will help you expand your skills, which are necessary to become certified with the American Culinary Federation as a Certified Fundamentals Cook. You also have the option to earn ServSafe certification. We will explore advanced techniques such as sausage making, other charcuterie and study of regional and international cuisines. The class runs a buffet and restaurant periodically throughout the year. There are many catered events outside of school hours that are critical opportunities to the optimal learning of Advanced Culinary Arts students.

Related: Baking and Pastry Arts

Articulated college credit may be available

9953PA Baking And Pastry Arts

Grade Level: 10, 11, 12 Credits: 2 Type: Practical Art
School: CACC

Prerequisite: C or better average in Culinary Arts 1

Welcome to the world of baking. This class will give you the skills necessary to become certified with the American Culinary Federation as a Certified Fundamentals Pastry Cook. Students will explore all aspects of baking and pastry, including the ingredients, equipment and techniques of making breads, pies, cookies, cakes, biscuits, cream puffs and mousses, in addition to learning the vital importance of workplace readiness skills.

Related: Culinary Arts 2

Articulated college credit may be available

HEALTH PROFESSIONS

9270PA PLTW – Principles of Biomedical Sciences

Grade: 9, 10,11 Credit: 1 Type: 1 Science or 1 Practical Art
School: BHS, CACC, HHS

Co-Requisite: All PLTW courses require concurrent enrollment in or satisfactory completion of the appropriate grade-level math and science courses.

The first course in the nationally recognized Project Lead the Way program investigates biomedical sciences through problem-based learning and hands-on projects. Designed to develop students' collaborative, critical-thinking and problem-solving skills; students investigate health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia and infectious diseases while determining factors that lead to the death of a fictional person. Students also research lifestyle choices and medical treatments that might have prolonged the person's life. Activities and projects introduce students to human physiology, medicine and research processes, laying the scientific foundation for subsequent PLTW courses in the Biomedical Sciences Program. Earn 1 science or practical art credit.

Related: PLTW STRONGLY recommends participation in HOSA: Future Health Professionals.

College dual credit may be available

9271PA PLTW – Human Body Systems

Grade Level: 10, 11,12 Credit: 1 Type: 1 Science or 1 Practical Art
School: BHS, CACC, HHS

Prerequisite: Earned credit in PLTW Principles of Biomedical Sciences. Students may take PLTW Human Body Systems and PLTW Medical Interventions concurrently.

Co-Requisite: All PLTW courses require concurrent enrollment in or satisfactory completion of appropriate grade level math and science courses.

This course is the second in the nationally recognized Project Lead the Way series, designed to investigate biomedical sciences through exciting hands-on projects and problems which encourage the students to develop innovative, collaborative, critical thinking and problem-solving skills. Students will examine the interactions of human body systems as they explore identity, power, movement, protection and homeostasis. Students will design experiments, investigate the structures and functions of the human body and use data acquisition software to monitor body functions such as muscle movement, reflexes, voluntary action and respiration. Exploring science in action, students build organs and tissues on a mannequin, work through interesting real-world cases and often play the roles of biomedical professionals to solve medical mysteries. Earn 1 science or practical art credit.

Recommended: "C" average and proficient score on the PLTW Principles of Biomedical Sciences EOC.

Related: PLTW STRONGLY recommends participation in HOSA: Future Health Professionals.

College dual credit may be available

9272PA PLTW – Medical Interventions

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

Prerequisite: Earned credit in PLTW Principles of Biomedical Sciences and PLTW Human Body Systems or students may take

PLTW Human Body Systems and PLTW Medical Interventions concurrently.

Co-Requisite: All PLTW courses require concurrent enrollment in or satisfactory completion of appropriate grade level math and science courses.

Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family in this Project Lead The Way course. The class is a "how-to" manual for maintaining homeostasis in the body. Students explore how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. These scenarios expose students to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics. Each scenario introduces multiple types of interventions, reinforces concepts learned in previous courses, as well as presenting new content. The interventions are showcased across generations of a family, looking at the past, present and future of the biomedical sciences. The course emphasizes lifestyle choices and the important roles scientific thinking and engineering design have in the development of interventions of the future. Earn 1 science or practical art credit.

Recommended: C average and proficient score on previous PLTW-BMS EOC

Related: PLTW STRONGLY recommends participation in HOSA: Future Health Professionals.

College dual credit may be available

9273PA PLTW - Biomedical Innovation

Grade Level: 11, 12 Credit: 1 Type: 1 Science or 1 Practical Art School: BHS, CACC, HHS

Prerequisite: Earned credit in PLTW Principles of Biomedical Sciences, PLTW Human Body Systems, and PLTW Medical Interventions

Co-Requisite: All PLTW courses require concurrent enrollment in or satisfactory completion of appropriate grade level math and science courses.

In this Project Lead The Way capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st Century as they work through progressively challenging open-ended problems while addressing topics such as clinical medicine, physiology, biomedical engineering and public health. They will have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office or industry. Earn 1 science or practical art credit.

Recommended: C average and proficient score on previous PLTW-BMS EOC.

Related: PLTW STRONGLY recommends participation in HOSA: Future Health Professionals.

College dual credit may be available

9235PA Professions in Healthcare

Grade Level: 11, 12 Credits: 3 Type: Practical Art School: CACC

Prerequisite: Family Safety Registry Check, drug screen, tuberculosis test, influenza vaccine; discipline review for violence, insubordination, drugs and stealing; preference is given to students with a record of strong attendance patterns. Must successfully pass the first semester to continue into the second semester.

Students will learn patient care skills in the classroom, lab and at clinical sites within the community, as well as basic nursing, communication skills and applied medical terminology. American Heart Healthcare Provider Basic Life Support CPR certification will be required and completed during class. Completion of direct patient care hours and classroom instruction may provide eligibility to sit for the Missouri Certified Nurse Assistant exam, enabling students to work in healthcare while pursuing postsecondary education and enhancing opportunities for admission to advanced healthcare career programs. Students will have the opportunity to contract for honors credit.

Recommended: Anatomy and Physiology

Related: PLTW Principles of Biomedical Sciences, PLTW Human Body Systems, Biology, Chemistry, Lab Exploration 101, Anatomy and Physiology

College dual credit may be available

9260PA Core Essentials Of Fire Fighting and Public Safety

Grade: 10, 11 Credit: 1 Type: Practical Art School: CACC

This course will introduce students to the world of firefighters, police officers, emergency medical technicians and other emergency responders. Curriculum includes a look into field operations, law, public relations and crisis planning. Students will also develop a career plan to prepare for their success in the field of public safety and security.

Related: Emergency Medical Technician-Basic and Geospatial Technology

NEW – 9264PA Intro to Emergency Services

Grade Level: 11,12 Credits: 1 Type: Practical Art School: CACC

This course is the first of two courses to educate and prepare students for the care of critical and noncritical patients in need of Emergency Medical Services. Develop a strong foundation of medical knowledge, gain certifications and experience to aid you in becoming a confident medical professional. By the end of this course earn CPR certification, have knowledge of the human body, the ability to conduct assessments, explore other career pathways in EMS and learn how to overcome dilemmas relevant to EMS. Successful completion of this course will allow for certification as a first responder and CPR provider.

Related: PLTW Biomedical Sciences and Professions in Healthcare

NEW – 9265PA Advanced Emergency Services

Grade Level: 12 Credits: 2 Type: Practical Art School: CACC

Prerequisite: Family Care Safety Registry check (social security number needed for FCSR check); influenza vaccine, drug test, discipline review for violence, insubordination, drugs and stealing. Preference is given to students with a record of strong attendance patterns. Successful completion of Intro to Emergency Services. Age 18 within six months of completion of the course.

This course is for students who completed Intro to Emergency Services and wish to complete their EMS education. Get ready to be in the back of an ambulance helping real patients! With a strong foundation of medical knowledge from the previous year, be ready to continue to learn more advanced medical procedures and start clinicals. By the end of this course, be eligible to take the national registry test in order to apply for a Missouri State License as an Emergency Medical Technician, be credentialed as an emergency telecommunicator and a credentialed electrocardiogram technician. After taking this class, you have the potential to be an emergency medical technician, dispatcher, or EKG technician!

Related: Emergency Medical Technician-Basic; strong reading skills given the postsecondary-level textbooks and materials.

9262PA Emergency Medical Technician-Basic

Grade Level: 12 Credits: 2 Type: Practical Art School: CACC

Prerequisite: Employee Disqualification List check; tuberculosis test, influenza vaccine; drug test; discipline review for violence, insubordination, drugs, and stealing; preference is given to students with a record of strong attendance patterns. Must successfully pass the first semester to continue into the second semester.

People's lives often depend on the quick reaction and competent care of Emergency Medical Technicians. 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 and will require you to participate in self-study outside of classroom time. It is the desired expectation that all students successfully complete the course making them eligible to take the National Registry practical and written exam. The student who achieves a national Registry Certification will be eligible for initial Emergency Medical Technician-Basic licensure in the State of Missouri.

Clinical observations at local ambulance services are an encouraged part of this course and occur after the student has successfully completed the psychomotor exam. The clinical observations occur outside of regular school hours and students are expected to provide their own transportation for these sessions.

Related: Core Essentials of Firefighting and Public Safety; age 18 within six months of completion of the course; strong reading skills needed given the postsecondary level textbooks and materials

HEALTH SCIENCE

6550HE Health Science

6550HEO Health Science ONLINE

Grade Level: 9 Credit: 1/2 Type: Health Science

School: BHS, DHS, HHS, RBHS, CPS Online

This course is designed to increase the knowledge of the human body and raise awareness of health-related issues. Topics include: safety; substance abuse, fitness and nutrition; mental and emotional health, and human sexuality and relationships.

6551HE Healthy Lifestyles

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

School: BHS, HHS, RBHS

This course is for students who have not yet received their health credit. It is designed to give students the knowledge and skills to make healthy choices. Topics include: safety; substance abuse, fitness and nutrition; mental and emotional health, and human sexuality and relationships.

6552HE Health Honors

Grade Level: 9, 10, 11, 12 Credit: ½ Type: Health Science

School: HHS

This course is for motivated students who are interested in a more rigorous curriculum beyond the scope of the regular health curriculum. This course will help prepare students for Anatomy and would be beneficial for students interested in the medical field. Regular health topics will be covered at a deeper knowledge level.

ENGLISH LANGUAGE ARTS

English Credits

2200EN English 9: Civic Literature

Grade Level: 9 Credit: 1 Type: English

This course is designed to gradually deepen student literacy skills in the areas of reading, writing, and speaking/listening through a study of various types of civic literature. Students will learn to effectively analyze, discuss, and evaluate literary and informational texts related to government, politics, and citizenship.

This course may be taken in the following formats:

2200EN English 9: Civic Literature

2200ENO English 9: Civic Literature ONLINE

School: BHS, DHS, HHS, CPS Online

This course is an individually-taught, non-integrated section of English 9: Civic Literature.

2202EN English 9: Civic Literature - Honors

School: HHS

This course is an individually-taught, non-integrated section of English 9: Civic Literature that explores the curriculum in a more in-depth manner. Students will work collaboratively; discuss, debate, present, and share open dialogue with peers; and demonstrate knowledge through project-based learning. Strong literacy skills are needed for comprehension of challenging texts/tasks, and a self-motivated work ethic is essential for student success.

0510NC Civic Studies BLOCK

School: HHS, RBHS*

This team-taught, double-block course integrates the study of Civics and English 9: Civic Literature through a collaborative teaching partnership between Social Studies and Language Arts, emphasizing cross-content connections, and interdisciplinary skills. Students will work collaboratively within a large classroom environment. A self-motivated work ethic is essential for student success.

[Note: *At RBHS, students individually contract for Honors credit as part of a Civic Studies course].

0515NC Civic Studies – Honors BLOCK

School: BHS, HHS

This team-taught, double-block course provides for an intensive investigation into governmental issues and civic literature, introducing college-level reading, writing, research, and critical thinking skills that will prepare students for future Advanced Placement coursework. Students will work collaboratively within a large classroom environment. A self-motivated work ethic is essential for student success.

0516NC AP United States Government & Politics/English 9: Civic Literature – Honors BLOCK

School: BHS

This team-taught Advanced Placement double-block course provides for an intensive investigation into governmental issues and civic literature introducing college-level reading, writing, research and critical thinking skills. Students will work collaboratively within a large classroom environment. A self-motivated work ethic is essential for student success. After completion of the course, students may elect to take the College Board Advanced Placement United States Government & Politics Exam to potentially earn college credit for their studies.

2300EN English 10: World Literature

Grade Level: 10 Credit: 1 Type: English

This course is designed to gradually deepen student literacy skills in the areas of reading, writing, and speaking/listening through a study of various types of world literature. Students will learn to effectively analyze, discuss, and compose literary and informational texts related to various global issues and cultures outside of the United States throughout world history.

This course may be taken in the following formats:

2300EN English 10: World Literature

2300ENO English 10: World Literature ONLINE

School: BHS, DHS, HHS, CPS Online

This course is an individually-taught, non-integrated section of English 10: World Literature.

2302EN English 10: World Literature - Honors

School: BHS, HHS

This course is an individually-taught, non-integrated section of English 10: World Literature that explores the curriculum in a more in-depth manner with extended opportunities for independent study. Strong literacy skills are needed for comprehension of challenging texts/tasks, and a self-motivated work ethic is essential for student success.

0520NC World Studies BLOCK

School: HHS, RBHS*

This team-taught, double-block course integrates the study of Modern World and English 10: World Literature through a collaborative teaching partnership between Social Studies and Language Arts, emphasizing cross-content synthesis and interdisciplinary skills. Students will work collaboratively within a large classroom environment. A self-motivated work ethic is essential for student success.

[Note: *At RBHS, students individually contract for Honors credit as part of a World Studies course].

0527NC AP World History/English 10: World Literature - Honors BLOCK

School: BHS, HHS, RBHS

This team-taught, double-block, Advanced Placement course provides for an intensive investigation into major themes of world history and world literature, emphasizing college-level reading, writing, research, and critical thinking skills. A self-motivated work ethic is essential for student success. Students will work collaboratively within a large classroom environment. After completion of the course, students may elect to take the College Board Advanced Placement World History Exam to potentially earn college credit for their studies.

2400EN English 11: American Literature

Grade Level: 11 Credit: 1 Type: English

This course is designed to gradually deepen student literacy skills in the areas of reading, writing, and speaking/listening through a study of various types of American literature. Students will learn to effectively analyze, discuss, and compose literary and informational texts related to the history and culture of the United States.

This course may be taken in the following formats:

2400EN English 11: American Literature

2400ENO English 11: American Literature ONLINE

School: BHS, DHS, HHS, CPS Online

This course is an individually-taught, non-integrated section of English 11: American Literature.

0530NC U.S. Studies BLOCK

School: HHS, RBHS*

This team-taught, double-block course integrates the study of U.S. History and English 11: American Literature through a collaborative teaching partnership between Social Studies and Language Arts, emphasizing cross-content synthesis and interdisciplinary skills. Students will work collaboratively within a large classroom environment. A self-motivated work ethic is essential for student success.

[*Note: *At RBHS, students individually contract for Honors credit as part of a U.S. Studies course.*]

2404EN AP English Language and Composition

School: BHS*, HHS

This individually-taught, non-integrated Advanced Placement course examines representative works from major literary movements in American history from the 1600s to the present day, focusing on rhetorical analysis of nonfiction, fiction, poetry, and drama. To be successful, students must demonstrate superior reading, writing, research, and critical thinking skills and a self-motivated work ethic. After completion of the course, students may elect to take the College Board Advanced Placement Language and Composition Exam to potentially earn college credit for their studies. (*Note: *At BHS, this course may also be taken by seniors*)

0540NC AP U.S. History/AP English Language and Composition BLOCK

School: BHS, HHS, RBHS

This team-taught, double-block, Advanced Placement course provides for an intensive investigation into major themes of American history and literature, emphasizing college-level reading, writing, research, and critical thinking skills, particularly in relation to the study of historical prose. A self-motivated work ethic is essential for student success. Students will work collaboratively within a large classroom environment. A self-motivated work ethic is essential for student success. After completion of the course, students may elect to take the College Board Advanced Placement U.S. History Exam and/or the

Language and Composition Exam to potentially earn college credit for their studies

English 12: Literature

2451ENO English 12 ONLINE

Grade Level: 12 Credit: 1 Type: English

This course is designed to gradually deepen student literacy skills in the areas of reading, writing, and speaking/listening through a study of various types of literature. Students will learn to effectively analyze, discuss, and compose literary and informational texts

This course may be taken in the following formats:

2451EN English 12: African-American Literature

Grade Level: 11*, 12 Credit: 1 Type: English

School: BHS, DHS, HHS, RBHS**

This year-long course is designed to gradually deepen student literacy skills in the areas of reading, writing, speaking/listening, and critical thinking and research through a study of various types of African-American literature, art, and music. Students will learn to effectively analyze, discuss, and compose literary and informational texts related to the African-American experience. Authors studied may include: Frederick Douglass, W.E.B. DuBois, Zora Neale Hurston, Langston Hughes, Malcolm X, Toni Morrison, Lorraine Hansbury, Alice Walker, James Baldwin, Ntozake Shange, and August Wilson. [*Note: *Juniors who are already enrolled in an English 11 offering may additionally enroll in this course as well, though capacity preference is given to seniors. **At BHS and RBHS, this course may be integrated with African-American Studies (4801SS) and taught in a block fashion.*]

2452EN English 12: Contemporary Literature

Grade Level: 11*, 12 Credit: 1 Type: English

School: BHS, HHS, RBHS

This year-long course is designed to gradually deepen student literacy skills in the areas of reading, writing, and speaking/listening through a study of various types of contemporary literature. Students will learn to effectively analyze, discuss, and compose literary and informational texts related to critically-acclaimed works from the twentieth century to the present. [*Note: *Juniors who are already enrolled in an English 11 offering may additionally enroll in this course as well, though capacity preference is given to seniors.*]

2460EN English 12: Studies in American Popular Culture BLOCK

Grade Level: 12 Credit: 1 Type: English*

School: RBHS*

This team-taught, year-long course integrates the study of American Popular Culture (4815SS) with English 12 literacy skills in the areas of reading, writing, and speaking and listening. Critical thinking is emphasized during this blocked course, as students are frequently asked to evaluate the implications of our mass media culture. Though film and television are often used as a way of exploring our culture, they do not replace high rigor. In this course students are frequently reading, writing, and collaborating with others. The ultimate goal of the course is for student to be able to use all the essential English skills to help identify the many cultural influences all around them. [*Note: *Students may elect to earn either 2460EN credit or 4815SS credit for this course but may not enroll in both sections.*]

2502EN English 12: British Literature

Grade Level: 11*, 12 Credit: 1 Type: English

School: BHS, HHS, RBHS

This year-long course is designed to gradually deepen student literacy skills in the areas of reading, writing, and speaking/listening through a study of

various types of British literature. Students will learn to effectively analyze, discuss, and compose literary and informational texts related to the history and culture of Great Britain. Authors studied may include: Geoffrey Chaucer, William Shakespeare, Jonathan Swift, John Keats, the Bronte sisters, the Brownings, Oscar Wilde, and Frank McCourt. [Note: *Juniors who are already enrolled in an English 11 offering may additionally enroll in this course as well, though capacity preference is given to seniors].

2503EN English 12: Women in Literature

Grade Level: 11*, 12 Credit: 1 Type: English
School: BHS, RBHS

This year-long course is designed to gradually deepen student literacy skills in the areas of reading, writing, and speaking/listening through a study of literature written by and about women. Students will apply theoretical approaches to literary criticism to evaluate the impact of the female voice on the world's stories. Through the lens of fictional and nonfictional prose, poetry, drama, and film students will examine both stereotypical and modern representations of gender, explore the role of language in constructing meaning, and interpret how multimedia messages influence gender stereotypes. Feminist criticism will be defined and applied to texts across time and culture, from archetypal mythologies to canonical Eurocentric literature to contemporary global women's literature, including the unique perspective of African-American women. Students will develop an independent research question and construct a comprehensive written portfolio throughout the course. [Note: *Juniors who are already enrolled in an English 11 offering may additionally enroll in this course as well, though capacity preference is given to seniors].

2504EN AP English Literature and Composition

Grade Level: 12 Credit: 1 Type: English
School: BHS, HHS, RBHS

This year-long Advanced Placement course examines representative works from major authors and literary movements in history, focusing on in-depth literary analysis of fiction, poetry, and drama. Authors studied may include: Plato, Shakespeare, Dostoyevsky, Milton, Kesey, Conrad, and Camus. To be successful, students must demonstrate superior reading, writing, research, and critical thinking skills and a self-motivated work ethic, being willing to engage in extensive independent reading. After completion of the course, students may elect to take the College Board Advanced Placement Literature and Composition Exam to potentially earn college credit for their studies.

2506EN English12: Reading, Research & Composition

Grade Level: 12 Credit: 1 Type: English
School: RBHS

This year-long course is designed to gradually deepen student literacy skills in the areas of reading, writing, and speaking/listening through an exploration of the question "Who Am I?". Students will learn to effectively analyze, discuss, and compose literary and informational texts related to themes of identity and self-discovery. Students will compile a collection of personal essays within a year-long autobiography portfolio.

Language Arts Credits

2350LA (09/10), 2351LA (11/12) Literacy Seminar

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Language Arts
School: BHS, DHS, HHS, RBHS

This course is an individualized reading program required of incoming and current students who struggle with aspects of

reading as determined by multiple literacy assessment measures and teacher recommendations. Students will participate in whole group and small group instruction as well as spend significant time in independent reading, working to meet personal reading goals centered around mastery of various comprehension strategies. Particular focus is put on helping students to become metacognitive about themselves as readers/learners and to transfer reading strategies to a variety of content-area courses. [Note: This course may be repeated for credit until students have developed the literacy skills necessary to be successful in their core classes.]

2403EL (11), 2404EL (12) Reading/Writing Lab

Grade Level: 11, 12 Credit: 1 Type: Elective*
School: BHS

This course is designed to be taken in conjunction with a core English course offering (11-12) to provide additional academic support and instructional time for students who struggle with the literacy skills of reading, writing, speaking/listening, and/or language taught in the regular curriculum. [Note: This course may be repeated for credit until students have developed the literacy skills necessary to be independently successful in a single section of their core English class]. [Note: *This class is **NOT an English or Language Arts credit**].

2450LA Creative Writing

2450LAO Creative Writing ONLINE

Grade Level: 10, 11, 12 Credit: 1 Type: Language Arts
School: BHS, DHS, HHS, RBHS, CPS Online

This challenging course is designed for students with a strong interest in the craft of writing who wish to further develop their skills in a pre-professional workshop environment. Student writers will develop an extensive portfolio of work – including short stories, narrative nonfiction, poetry, and scripts – and will frequently be required to share their work with colleagues, participate in peer review, and submit final drafts for publication. Extensive reading in a variety of genres is assigned to provide models of successful professional craft. To be successful, students must demonstrate superior reading, writing, and collaboration skills and a self-motivated work ethic. This course may be repeated for elective credit

2452LA Advanced Creative Writing

Grade Level: 10, 11, 12 Credit: 1 Type: Language Arts
School: BHS, HHS, RBHS

This challenging course is designed for students with a strong interest in the craft of writing who wish to further develop their skills in a pre-professional workshop environment. Student writers will develop an extensive portfolio of work – including short stories, narrative nonfiction, poetry, and scripts – and will frequently be required to share their work with colleagues, participate in peer review, and submit final drafts for publication. Extensive reading in a variety of genres is assigned to provide models of successful professional craft. To be successful, students must demonstrate superior reading, writing, and collaboration skills and a self-motivated work ethic. [Note: *Teacher recommendations will be considered for selection in the course].

2454LA Classical Ideas and World Religions

Grade Level: 11, 12 Credit: 1 Type: Language Arts
School: BHS, HHS, RBHS

This year-long course focuses on significant metaphysical ideas which have been explored throughout history and which continue to be influential today. Students will read excerpts from philosophy, world religions, and world literature; listen to guest speakers; write to clarify ideas; and research for further information. This class requires a willingness to think critically and a commitment to read challenging material. [Note: * Students may elect to earn either 2454LA credit or 4454SS credit for this course but may not enroll in both sections.]

2600LA Introduction to Journalistic Writing

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Language Arts
School: BHS, HHS, RBHS

This writing-intensive introduction to journalism is designed for students interested in studying online and print media, specifically

news, opinions, features, and sports. Students will be expected to help write for a school publication (determined at the building level) and will develop advanced nonfiction writing and reporting skills and desktop publishing skills including photography, graphic design, and layout. Students will have the opportunity to explore journalism as a career and to have their work published online and/or in print. [Note: *This class serves as a prerequisite to Journalism – Newspaper or Journalism – Yearbook*].

2601LA Journalism: Editors' Seminar - Honors

Grade Level: 11, 12 Credit: 1 Type: Language Arts
Prerequisite: *Introduction to Journalistic Writing*
School: BHS, HHS, RBHS

Designed for the student who wants an intense experience in journalism, students in this class will serve as editors for the school paper, yearbook, or online publication. They will maintain a portfolio of their writing and page design, discuss methods to improve content and coverage of publications, determine a majority of the story ideas, revise and edit the work of their peers, and work to enhance graphic design using software such as Photoshop, Adobe Illustrator, or PageMaker. Additionally, students will also research areas of journalistic ethics, First Amendment considerations, differences among print and the various electronic media, etc. Students who enroll in this course generally must also enroll in Journalism: Newspaper, and/or Journalism: Yearbook. *This course may be repeated for credit.* [Note: **Teacher recommendations will be considered in the selection of staff*].

2602LA Journalism: Yearbook

Grade Level: 10, 11, 12 Credit: 1 Type: Language Arts
Prerequisite: *Introduction to Journalistic Writing**
School: BHS, HHS, RBHS

In this hands-on, year-long course, students will publish the school's yearbook and utilize graphic design, journalism, computer software and photo essay skills in an authentic setting. The workload is demanding and requires that students spend time after school to meet deadlines. Students also need to be highly-motivated, skilled writers, photographers and/or artists who can work independently as well as collaboratively in teams. *This course may be repeated for elective credit.* [Note: **Teacher recommendations will be considered in the selection of staff*].

2603LA Journalism: Newspaper

Grade Level: 10, 11, 12 Credit: 1 Type: Language Arts
Prerequisite: *Introduction to Journalistic Writing**
School: BHS, HHS, RBHS

In this hands-on, year-long course, students will publish the school's newspaper and utilize writing, editing, design, and desktop publishing skills in an authentic setting. The workload is demanding and requires that students spend time after school to meet deadlines. Students also need to be highly-motivated, skilled writers, photographers and/or artists who can work independently as well as collaboratively in teams. Students will also read newspapers and magazines written by professional journalists. *This course may be repeated for elective credit.* [Note: **Teacher recommendations will be considered in the selection of staff*].

2703LA Public Speaking

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Language Art
School: BHS, HHS, RBHS

This course will teach students the practical skills of public speaking and all major aspects of speech preparation and presentation needed for success in college, the workplace, and interview settings. Students will read and view a variety of sample speeches that they will use as models to prepare and present several of their own speeches throughout the semester. This course will equip students with tools to overcome speaker discomfort, to create organizational structures to capture a specific audience, and to skillfully deliver various professional presentations. Peer and self-evaluation will be frequently utilized.

2705LA Debate 1

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Language Art
School: BHS, HHS, RBHS

This course includes study and systematic use of fact, logic, and critical evaluation in preparation for participation in various professional public debate structures, including: Cross-Examination, Public Forum, Lincoln-Douglass Debate, Student Congress, etc. Research is emphasized as students apply evidence through argumentation and refutation while debating current social problems and international conflicts. [Note: *Students enrolled in this course are required to travel and participate in extracurricular speech/debate competitions and are expected to maintain MSHSAA eligibility (See page 3 for complete details)*].

2706LA Debate 2/3 - Honors

Grade Level: 10, 11, 12 Credit: 1 Type: Language Art
Prerequisite: *Debate 1**
School: BHS, HHS, RBHS

This course is designed for competitively-oriented students who are interested in attending speech tournaments in debate and related events. Students will 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. *This course may be repeated for credit.* [Note: *Students enrolled in this course are required to travel and participate in extracurricular speech/debate competitions and are expected to maintain MSHSAA eligibility (See page 3 for complete details)*].

3610LA Introduction to Classical Mythology

Grade Level: 11, 12 Credit: 1/2 Type: Language Arts
School: BHS, HHS, RBHS

This reading and writing intensive course is designed for students who wish to explore the world of classical mythology. It begins by acquainting them with the nature of myth and the traditional stories by which a people define their world and affirm its shared values. Students will explore some methods by which these tales can be interpreted. Finally, students will meet those gods and heroes through original authors in translation and visual depictions from ancient artwork.

3615LA Classical Roots

Grade Level: 11, 12 Credit: 1/2 Type: Language Arts
School: BHS, HHS, RBHS

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 words by learning the meanings of the classical roots, prefixes, and suffixes, and how words are derived. Students will also explore major areas of classical influence found in American culture especially within vocational areas such as health sciences, law, social sciences, and language arts. This college preparatory course is an excellent introduction to the kinds of items found on the verbal portions of standardized tests such as the ACT and SAT.

2512LA AP Seminar

Grade Level: 11 Credit: 1 Type: Language Arts
Prerequisite: Successful completion of at least 1 AP course prior to enrollment.
School: HHS

AP Seminar is the first-year course of a two-year sequence. It is followed by AP Research. AP Seminar is a rigorous University-level course focused on developing and accessing critical thinking and research skills. It follows an inquiry framework, in a cross-disciplined approach as students investigate problems of global importance using research methodology including primary literature review, meta-resource database exploration and analysis, statistical evaluation, and argumentation from evidence. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Students commit to a two-year sequence of AP Seminar and AP Research. AP exam scores of 3 or above on AP Seminar, AP Research and 4 additional AP courses are required to earn the AP Capstone Diploma.

2513LA AP Research

Grade Level: 12 Credit: 1 Type: Language Arts

Prerequisite: AP Seminar

School: HHS

AP Research is the second course in the AP Capstone™ program. AP Seminar is a prerequisite for AP Research. AP Research continues to build on the skill set developed in AP Seminar. AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

About AP Capstone: If you earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of your choosing, you will receive the AP Capstone Diploma™. This signifies outstanding academic achievement and attainment of college-level academic and research skills. Alternatively, if you earn scores of 3 or higher in AP Seminar and AP Research only, you will receive the AP Seminar and Research Certificate™.

Note: AP Research will only be available to students whose school is participating in the AP Capstone program. HHS is one of only two schools in Missouri approved to offer the AP Capstone program.

MATHEMATICS

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. 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 handheld calculators. Most courses make extensive use of graphing calculators and access outside the classroom is beneficial to developing mathematical understanding.

5616MA Intensified Algebra – daily block

Grade Level: 9 Credit: 2 Type: 1 Math, 1 Elective

School: HHS, RBHS

Prerequisite: Teacher Recommendation only

This course is the same content as our regular algebra course but meets every day instead of alternating days allowing for additional support to supplement gaps in prior knowledge when needed. Intensified Algebra helps students who are behind become successful in algebra *within one academic year*. Highly recommended for any 9th grade student who has struggled in math!

5617MA Algebra 1

5617MAO Algebra 1 ONLINE

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Math

School: BHS, DHS, HHS, RBHS, CPS Online

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been

offered. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. (Graphing calculators are used in this class.)

0505NC Algebra 1 in Manufacturing Processes, Entrepreneurship and Design (AMPED) blocked with Business Principles

Grade Level: 9 Credit: 2 Type: Math and Practical Arts

Prerequisite: None

School: BHS

Algebra 1 AMPED

This course is one part of the combined AMPED course. The course engages students in extending the mathematics they learned in the earlier grades in an authentic business setting. Students will explore and apply functions, compare their key characteristics, and translate between graphical, numerical and symbolic representations of them. They will create and solve equations, and inequalities, systems of equations involving linear and quadratic expressions, extend the laws of exponents to rational exponents, and compare/contrast linear and exponential functions. Students will use regression techniques to describe linear relationships between quantities and use technology as an instructional tool throughout the course as they explore and make sense of problems in a real-world context.

Business Principles

This course is one part of the combined AMPED course. This course engages students by integrating entrepreneurship skills with the math skills they are learning in their Algebra 1 course in an authentic, real-world setting. Students will solve real world, practical problems as they develop and run an authentic business. This contextual learning experience combines business entrepreneurship and all Algebra 1 standards through relevant and interactive projects.

Note: This contextual learning experience combines all Algebra 1 standards and Business Principles standards through relevant and interactive projects. Students will be enrolled in two courses and receive both an Algebra 1 and Practical Arts credit.

5651MA Geometry

5651MAO Geometry ONLINE

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Algebra 1

School: BHS, DHS, HHS, RBHS, CPS Online

The fundamental purpose of the course is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Transformations are emphasized early in this course. The Mathematical Practice Standards apply throughout the course and together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problems situations.

5652MA Geometry Honors

5652 MAO Geometry Honors ONLINE

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Algebra 1

School: BHS, HHS, RBHS, CPS Online

This course is designed to introduce the role of deductive reasoning in mathematical and non-mathematical situations, to develop an appreciation of geometry as a means of describing the physical world, to develop powers of spatial visualization, strengthen algebraic skills, provide opportunities to strengthen abstract thinking skills, and help the student to appreciate the need for clarity and precision of language. The course is designed for the competitive, serious math student who is interested in studying the topics of Geometry in more detail.

0507NC Geometry in Construction blocked with Production Woodworking

Grade level: 10 Credit: 2 Type: Math and Practical Arts
Prerequisite: Algebra 1
School: BHS

Geometry in Construction

This course is one part of the combined Geometry in Construction course. Students are engaged in exploring complex geometric situations and deepening their understanding of geometric relationships in the context of a construction project. They will prove theorems and solve problems about triangles, quadrilaterals, and other polygons; establish triangle congruence criteria based on analyses of rigid motions and formal constructions; apply similarity in right triangles to understand right triangle trigonometry; and use a rectangular coordinate system to verify geometric relationships. They will extend their knowledge of two-dimensional and three-dimensional objects to include informal explanations of circumference, area and volume formulas and consider the shapes of cross-sections. Students will prove basic theorems about circles and create and graph the equation of a circle. They will use the languages of set theory to expand their ability to compute and interpret theoretical and experimental probabilities. This contextual learning experience allows students to see a variety of geometry concepts used in real-world settings.

Production Woodworking

This course is one part of the combined Geometry in Construction course. Through hands on learning experiences and the building of an actual structure, students will apply geometry concepts to a variety of construction processes in order to see the connection between the two. Students will gain a hands-on understanding of basic construction methods, construction safety, and the variety of tools needed for different construction tasks. Through this course, students will be exposed to a variety of construction trades. This contextual learning experience allows students to see a variety of geometry concepts used in a real-world setting.

Note: This contextual learning experience combines all Geometry standards and Production Woodworking standards through relevant and interactive projects. Students will be enrolled in two courses and receive both a Geometry and Practical Arts credit.

5705MA Algebra Functions & Data Analysis

Grade Level: 10, 11, 12 Credit: 1 Type: Math
Prerequisite: Algebra 1
School: BHS, HHS, RBHS

Algebra Functions & Data Analysis 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 a greater success. These experiences will include, but not be limited by, developing richer knowledge base of vocabulary, continue to master algebra skills, and other strategies designed to accelerate student learning. (Graphing calculators are used in this class.)

5710MA Algebra 2**5710MAO Algebra 2 ONLINE**

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Math
Prerequisite: Geometry
School: BHS, DHS, HHS, RBHS, CPS Online

Students extend their Algebra 1 repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve and graph equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. (Graphing calculators are required in this class.)

5720MA Algebra 2 Honors**5720MAO Algebra 2 Honors ONLINE**

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Math
Prerequisite: Geometry

School: BHS, HHS, RBHS, CPS Online

Building on your work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. In addition, this course will work more with applications of these functions, go into great depth, and begin trigonometry identities used in Pre-Calculus. The Mathematical Practice Standards apply throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. (Graphing calculators are used in this class.)

5722MA Statistics

Grade Level: 12 Credit: 1 Type: Math
Prerequisite: Algebra 2
School: BHS, DHS, RBHS

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.)

5723MAO Concepts in Probability (ONLINE Only)

Grade Level: 12 Credit: 1/2 Type: Math
Prerequisite: Algebra 2
School: CPS Online

In this SEMESTER online course begins with an in-depth study of probability and an exploration of sampling and comparing populations and closes with units on data distributions and data analysis. In the second half of the course, students create and analyze scatterplots and study two-way tables and normal distributions. Finally, students apply probability to topics such as conditional probability, combinations and permutations, and sets. This course provides an alternative math credit for students who may not wish to pursue more advanced mathematics courses such as Algebra II and Pre-Calculus.

5724MAO Concepts in Statistics (ONLINE Only)

Grade Level: 12 Credit: 1/2 Type: Math
Prerequisite: Algebra 2
School: CPS Online

In this SEMESTER online course students create and analyze scatterplots and study two-way tables and normal distributions and apply probability to topics such as conditional probability, combinations and permutations, and sets. This course provides an alternative math credit for students who may not wish to pursue more advanced mathematics courses such as Algebra II and Pre-Calculus.

5730MA Preparation for College Algebra

Grade Level: 11, 12 Credit: 1 Type: Math
Prerequisite: Algebra 2
School: BHS, HHS, RBHS

Preparation for College Algebra is designed to provide additional experiences in Algebra and above. The course includes the study of linear, quadratic, polynomial, exponential, radical and rational functions including inequalities, their graphs, and systems of equations. 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: Algebra 2
School: BHS, HHS, RBHS

College Algebra is designed as the course required for many undergraduate college degrees. This course will include, but not limited to, solutions of equations, functions, exponential and logarithmic functions, inequalities, systems of linear equations,

quadratic equations and their graphs, 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. (Scientific calculators – not graphing, are used for this course)

Dual Credit will be available with either University of Missouri-Kansas City or Stephens College, for those who qualify (must have a 3.0 GPA or 21 on ACT to receive college credit)

5740MAO Trigonometry (ONLINE Only)

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

Prerequisite: Geometry

School: CPS Online

In this SEMESTER online course students use their geometry and algebra skills to begin their study of trigonometry. Students will be required to express understanding using qualitative, quantitative, algebraic, and graphing skills. This course begins with a quick overview of right-triangle relationships before introducing trigonometric functions and their applications. Students explore angles and radian measures, circular trigonometry, and the unit circle. Students extend their understanding to trigonometric graphs, including the effects of translations and the inverses of trigonometric functions. This leads to the laws of sines and cosines, followed by an in-depth exploration of trigonometric identities and applications.

5780MA Pre-Calculus

5780MAO Pre-Calculus ONLINE

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

Prerequisite: Algebra 2

School: BHS, HHS, RBHS, CPS Online

Pre-calculus is designed for the science oriented or college bound student. The course includes the study of functions, 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

5782MAO Pre-Calculus Honors ONLINE

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

Prerequisite: Algebra 2 or Algebra 2 Honors

School: BHS, HHS, RBHS

Pre-calculus Honors includes the same topics of study as regular Pre-calculus with additional emphasis placed on limits, 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.)

5905MA AP Statistics

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

Prerequisite: Algebra 2

School: BHS, HHS, RBHS

AP Statistics 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.) This class may be taken concurrently with College Algebra, AP Calculus or Pre-Calculus.

5910MA AP Calculus AB

5910MAO AP Calculus AB ONLINE

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Pre-calculus

School: BHS, HHS, RBHS, CPS Online

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 interconnectedness 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: 9, 10, 11, 12 Credit: 1 Type: Math

Prerequisite: Pre-calculus

School: BHS, HHS, RBHS

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 interconnectedness of calculus. The topics for this course include all topics from AP Calculus AB along with the following additional topics: improper integrals, infinite series, and convergence/divergence of series, parametric functions, polar functions, and vector functions. This course is the equivalent of two semesters of college calculus. (Graphing calculators are used in this class.)

MUSICAL ARTS

All students interested in a performance ensemble course whether Concert or Jazz Band, Choir or Orchestra should sign up for the single respective performance ensemble below. All students will meet with or audition with the appropriate director that will inform placement in advanced ensembles. All interested students will be placed in an ensemble. Information about specialty ensembles may be obtained from each school's directors. Should you need to enroll in more than one concert or jazz band, choir or orchestra please note this on your enrollment form and speak with a school counselor.

8310FAMB Concert Band

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Prior band experience and/or audition.

School: BHS, HHS, RBHS

Concert Band offers opportunities in the study and performance of various types of instrumental music. The repertoire typically performed by the Concert Bands consists of traditional and contemporary band literature in appropriate levels of difficulty. Numerous small ensembles provide opportunities for the study of chamber music. Solo preparation is encouraged. Development of individual musicianship is emphasized throughout the year. By enrolling in Concert Band students agree to attend all after-school rehearsals, sectionals, and performances. All students enrolling in band, regardless of band placement in the previous year, must enroll for 8340FA Concert Band. Students who meet the prerequisites for advanced ensembles will be transferred by request of a band director. For more specific information regarding student participation in marching band, including the mandatory band camp for competitive marching band members, please consult to the band handbook of the high school you will be attending. Students are expected to maintain MSHSAA eligibility. See page 3 for complete details.

8350FAMB Jazz Band

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Audition and/or Director Placement

School: BHS, HHS, RBHS

Membership in 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. The jazz repertoire typically performed by the Jazz Band consists of traditional and contemporary jazz music in appropriate levels of difficulty. 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. All students enrolling in a

school jazz band, regardless of band placement in the previous year, must enroll for 8342FA Jazz Band. Students who meet the prerequisite for advanced Jazz ensembles will be transferred by request of a band director. Students who wish to perform on a brass, woodwind or percussion instrument in a school's jazz big band will be required to also enroll in a concert band. Students who audition to play piano, bass guitar, guitar and drums and are eligible to be in an appropriate concert band will be required to participate and play their concert instrument. Participants who do not meet this prerequisite will be removed from the jazz roster. For more specific information regarding student participation in school jazz bands or jazz combos please consult the band handbook of the high school you will be attending. Students are expected to maintain MSHSAA eligibility. See page 3 for complete details.

8410FAMO String Orchestra

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art
Prerequisite: Prior orchestra experience and/or audition
School: BHS, HHS, RBHS

This course provides instrumental instruction in the areas of foundational technique, musical expression, ensemble skills, theory and composition, culture and history, along with performance expectations for the string orchestra musician. **The repertoire typically performed by the string orchestra consists of traditional and contemporary orchestra literature in appropriate levels of difficulty. Numerous small ensembles provide opportunities for the study of chamber music. Solo preparation is encouraged. Development of individual musicianship is emphasized throughout the year. By enrolling in String Orchestra students agree to attend all after-school rehearsals, sectionals, and performances. Students are expected to maintain MSHSAA eligibility. See page 3 for complete details.**

8540FAMV Concert Choir

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art
Prerequisite: Audition with director
School: BHS, HHS, RBHS

Choir is a performance-based course that enables students to develop healthy vocal technique, while becoming more knowledgeable about music through sight singing and the study of music theory and music history. Choral music students learn to sing alone and with others. The repertoire typically performed by concert choirs consists of traditional and contemporary choir literature in appropriate levels of difficulty. Solo vocal music preparation is encouraged. Development of individual musicianship is emphasized throughout the year. By enrolling in choir students agree to attend all after-school rehearsals, sectionals, and performances. Students who meet the prerequisites for advanced ensembles will be transferred by request of a band director. Students are expected to maintain MSHSAA eligibility. See page 3 for complete details.

THEATRICAL ARTS

- 2703LA Public Speaking** - see Language Arts section
- 2705LA Debate 1** - see Language Arts section
- 2706LA Debate 2/3 - Honors** - see Language Arts section

8210FATH Acting I

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art
School: BHS, HHS, RBHS

Students investigate and develop a sound foundation of acting skills and techniques in stage movement, character development, and script study, using improvisation, play readings, monologues, and duet and ensemble scenes to learn how to perform for audiences of all ages. Theatre aesthetics, criticism, and history and a unit on children's theatre are included. Students perform in class and have options for other outside performances.

8221FATH Acting II

Grade Level: 10, 11, 12 Credit: 1 Type: Fine Art
School: BHS, HHS, RBHS

Prerequisite: An Acting course (Acting 1 or Musical Theatre/Productions)

Students develop stage movement, costuming, properties selection, and publicity with an emphasis on different theatrical periods and styles. Students prepare scenes and a production for public performance. Students build on skills they developed in The Acting Experience to further explore children's literature, advanced forms of storytelling and puppetry. Occasionally, group rehearsal is required outside of regular class time. Advanced Acting classes will involve differentiated learning for the various combined levels of experience.

8222FATH Acting III

Grade Level: 11, 12 Credit: 1/2 or 1 Type: Fine Art
School: BHS, HHS, RBHS

Prerequisite: An Acting course (Acting II, Musical Theatre/Productions or Teachers Permission)

Students deepen their understanding and commitment to acting as they prepare for collegiate study and/or acting as a profession. Students develop stage movement, costuming, properties selection, character development, scriptwriting and publicity with an emphasis on different theatrical periods and styles. Students further advance their skills and knowledge of children's literature, advanced forms of storytelling and puppetry. Students prepare scenes and a production(s) for public performance for audiences (children to adult). Occasionally, group rehearsal is required outside of regular class time. Advanced Acting classes will involve differentiated learning for the various combined levels of experience.

8223FATH Acting IV

Grade Level: 12 Credit: 1/2 or 1 Type: Fine Art
School: BHS, HHS, RBHS

Prerequisite: An Acting course (Acting III or Teachers Permission)

Students deepen their understanding and commitment to acting as they prepare for collegiate study and/or acting as a profession. Students develop stage movement, costuming, properties selection, character development, scriptwriting and publicity with an emphasis on different theatrical periods and styles. Students further advance their skills and knowledge of children's literature, advanced forms of storytelling and puppetry. Students prepare scenes and a production(s) for public performance for audiences (children to adult). Occasionally, group rehearsal is required outside of regular class time. Advanced Acting classes will involve differentiated learning for the various combined levels of experience.

8230FATH Directing

Grade Level: 12 Credit: 1/2 Type: Fine Art
Prerequisite: Acting III or IV course and teacher approval
School: BHS, HHS, RBHS

This course allows advanced theatre students an opportunity to go through the process of directing their peers within Advanced Acting, Advanced Children's Theatre, or Advanced Competitive Theatre. This process may include auditioning, casting, preparing blocking, aiding character work, development of technical aspects for productions, organizing rehearsals and performances. Student work may be done for in-class performances, as well as public productions. Time outside of the regular school day may be required. This class is only offered 2nd semester and either Acting III, Acting IV or Advanced Competitive Theater must be taken first semester.

8240FATH Competitive Theatre

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art
School: BHS, HHS, RBHS

In this full year course, students develop appropriate performance skills to participate in MSHSAA events, specifically Humorous and Dramatic Interpretation, Duet Acting, Storytelling, Prose and Poetry Reading, Readers Theatre and One Act Play. Students prepare and present competition material at events within Missouri. Some weekend travel time is required. Students may repeat this class each year for credit. Beyond the first level, students are required to compete and must be MSHSAA eligible to enroll. Advanced Competitive Theatre classes will involve differentiated learning for the various combined levels of experience. Objectives for the advanced course are included in

the entry course curriculum. Students are expected to maintain MSHSAA eligibility. See page 3 for complete details.

8241FATH Advanced Competitive Theatre

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

School: BHS, HHS, RBHS

Prerequisite: Competitive Theatre

In this full year course, students develop appropriate performance skills to participate in MSHSAA events, specifically Humorous and Dramatic Interpretation, Duet Acting, Storytelling, Prose and Poetry Reading, Readers Theatre and One Act Play. Students prepare and present competition material at events within Missouri. Some weekend travel time is required. Students may repeat this class each year for credit. Beyond the first level, students are required to compete and must be MSHSAA eligible to enroll. Advanced Competitive Theatre classes will involve differentiated learning for the various combined levels of experience. Objectives for the advanced course are included in the entry course curriculum. Students are expected to maintain MSHSAA eligibility. See page 3 for complete details.

8250FATH Technical Theatre

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art

School: BHS, HHS, RBHS

Students learn principles of set construction, painting, lighting, sound, and theater maintenance. Some time may be required outside of class for Music and Theatre productions at school. Students learn safe and appropriate behavior with equipment. Advanced Technical Theatre classes will involve differentiated learning for the various combined levels of experience. Objectives for the advanced course are included in the entry course curriculum.

8251FATH Advanced Technical Theatre

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

Prerequisite: Technical Theatre

School: BHS, HHS, RBHS

Students learn principles of set construction, painting, lighting, sound, and theater maintenance. Some time may be required outside of class for Music and Theatre productions at school. Students learn safe and appropriate behavior with equipment. Advanced Technical Theatre classes will involve differentiated learning for the various combined levels of experience. Objectives for the advanced course are included in the entry course curriculum.

FINE ARTS ELECTIVES

8010FAC Musical Theater/Production 1

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art

School: BHS, HHS, RBHS

This course provides basic study in musical theatre, including the basics of vocal technique, character development, staging, and dance.

8011FAC Musical Theater/Production 2

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

Prerequisite: Musical Theater/Production 1

School: BHS, HHS, RBHS

8012FAC Musical Theater/Production 3

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

Prerequisite: Musical Theater/Production 2

School: BHS, HHS, RBHS

8020FAC Music Basics

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Fine Art

School: BHS, HHS, RBHS

Designed for students as an introductory level course, this semester-long class exposes students to various aspects of music. Topics explored in this course include music notation, common and uncommon instruments, film music elements, and the development of Western music from the Middle Ages to the Post-Modern. When paired with a semester of Jazz, Pop & Rock (8514FA), or Art Basics (8115FA), it fulfills the required fine art credit for graduation.

8021FAC Music Theory

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art

Prerequisite: Current participation in a school music performance ensemble, prior enrollment in Music Basics or Jazz, Pop, and Rock or acceptance into the course after successfully completing a placement test.

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

School: BHS, HHS, RBHS

This course is designed for students who have gained some prior knowledge of music through participation in performance groups or by individual effort. Music theory is an excellent course to take if a student is considering music as a major or minor in college. The purpose of this course is to acquaint students with the fundamentals of music based on 18th century theory practices: rhythm and meter, intervals, scales and modes, form and analysis, voice leading, and concepts of elementary harmony. Students will gain a functional understanding of computer notation programs and technology. The curriculum covered in one year is comparable to the first semester of college music theory. Knowledge of the piano keyboard is helpful, but not required.

8022FAC AP Music Theory

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

Prerequisite: Successful completion of Music Theory or acceptance into the course after successfully completing a placement test.

School: BHS, HHS, RBHS

This course is a continuation of Music Theory I. Reviewing 18th century musical concepts and learning 19th to 21st century theory practices is examined. This course provides opportunities for students to apply their understanding of theory through writing musical compositions. The students will gain a functional understanding of computer notation programs and technology. This course will prepare the students to take the AP Music Theory exam which is offered in the late spring (a fee is required).

8030FAC Jazz, Pop & Rock

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Fine Art

School: BHS, HHS

During this semester-long class students will examine the roots of jazz, popular music, and rock & roll music and follow the development of these musical styles throughout the last century and beyond. This class will include extensive use of video and audio examples and will engage students in a variety of individual and class projects and presentations. Emphasis will be placed on the artists and composers who have made significant contributions to the evolution of musical styles and popularity throughout history. When paired with a semester of Music Basics (8516FA), or Art Basics (8115FA), it fulfills the required fine art credit for graduation.

8040FAC1 or 8040FAC2 Film Studies

Grade Level: 9, 10, 11, 12 Credit: ½ or 1* Type: Fine Art

School: BHS, HHS, RBHS

These semester courses are designed for students who want to know more about film and performance critique, both from the aspect of behind the camera and as a consumer. Students will study films with an emphasis on various genres. Students will respond to films viewed in a variety of written, visual and spoken activities. In conjunction with studying film language, genres, the impact of music on film and the movie industry; students develop an overall appreciation for film acting, directing, and producing. *Each semester works as a standalone course and could be paired with a semester of Music Basics (8020FA), or Art Basics (8110FA) or both semesters of film studies can be taken for a more complete study of film concepts.

8050FAC Music Appreciation (Online Only)

Grade Level: 9, 10, 11, 12 Credit: ½ Type: Fine Art

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the

Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

8051FAC0 Introduction to Art (Online Only)

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Fine Art

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, this one-semester course provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

8052FAC Humanities

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Fine Art

School: HHS

In Humanities, students will be introduced to a wide spectrum of fine arts. Throughout the year, students will study various modes of art - sculpture, painting, architecture, theater, music, utilitarian art, and literature. The course will cover both landmarks in historic art which are well known and more common, modern arts. Humanities is a valuable fine arts class for college preparation, a lifetime appreciation of the arts, and a better understanding of self.

8070FAC Color Guard (fall semester only)

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Fine Art

Prerequisite: Audition with director

School: BHS, RBHS

The Color Guard is one of many components that make up the High School Marching Band. During marching season (August – November) guard members are expected to rehearse every morning with the marching band starting at 7:00 am. In addition to morning rehearsals guard members must attend sectionals twice a week after school. These sectionals are vital to the success of the color guard as well as the rest of the band. Color guard members participate at all marching competitions/festivals as well as all home football games. Guard members must also attend the mandatory band camp required for all participants of the competitive marching band. This camp will be held shortly before the start of school. Color guard members who wish to play an instrument in band after marching season should enroll for 8310FA Concert Band instead of 8070FA Color Guard. Auditions are typically held in the spring semester prior to the fall marching season. Students are expected to maintain MSHSAA eligibility. See page 3 for complete details.

8080FAC Beginning Piano

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Fine Art

School: RBHS

This course is designed for students who wish to develop basic piano playing skills. Time in class will be spent both on and off the keyboards. Students will learn grade level appropriate music theory, vocabulary, technique, and be able to play through sequenced learning activities. While playing, students will be working individually and in small groups to master the techniques of playing and to learn pieces.

PHYSICAL EDUCATION

1809PE1/1809PE2 9th Men's Team Sports and Fitness

Grade Level: 9 Credit: 1/2 Type: PE

School: BHS, HHS, RBHS

This course is for male students who have a desire to be active by participating in traditional and non-traditional team sports and fitness activities as a vehicle to promote life-long wellness. Students will attain knowledge, skills and fitness through a variety of activities including; basketball, flash-ball, flag

football, soccer, team handball, fitness games and activities, and non-traditional team sports. In addition, general fitness improvement in flexibility, muscular strength and cardiovascular conditioning through stretches and jogging will also 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.

1810PE1/1810PE2 9th Men's Lifetime Activities – Level 1

Grade Level: 9 Credit: 1/2 Type: PE

School: BHS, HHS, RBHS

This course will promote an appreciation of lifelong fitness and physical activities. Students will attain knowledge, skills and fitness through a variety of activities including; archery, racquet sports, recreational and non-traditional games, disc golf, yoga, muscle toning, aerobic and core workouts. 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.

1811PE1/1811PE2 9th Women's Lifetime Activities – Level 1

Grade Level: 9 Credit: 1/2 Type: PE

School: BHS, HHS, RBHS

This course will promote an appreciation of lifelong fitness and physical activities. Students will attain knowledge, skills and fitness through a variety of activities including; archery, racquet sports, recreational and non-traditional games, disc golf, yoga, muscle toning, aerobic and core workouts. 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.

1810PEO Physical Education (Online)

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

Online PE 1 is an alternative to face to face physical education. This course develops an understanding of exercise and sport through a variety of assignments. Students will use a heart rate monitor to collect data on their activity and fitness levels. They will have freedom to choose activities they're interested in while increasing their own fitness. The heart monitors will be their check to maintain a fitness level during workouts. Additionally, the assignments will explore nutrition, strength training, aerobic, anaerobic, and fitness principles to enhance a healthy lifestyle. There are two mandatory attendance days at the beginning and end of the class. **This course is not available to Freshman. Be aware that some dance studios do not allow dancers to wear the HRM during workouts. You will need to complete your workout hours at another time with your HRM. If you have questions, contact Patty Cornell pcornell@cpsk12.org**

1810PE2O Physical Education (Online)

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

Online PE 2 is an extension of online PE 1. To enroll in this class students must have completed and passed online PE 1. ***Note Online PE1 and Online PE2 is an option for students only in grade 10, 11 and 12.**

1815PE1/1815PE2 Lifetime Activities Level 2 (co-ed)

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

School: BHS, HHS, RBHS

This course will promote an appreciation of lifelong outdoor pursuits and recreational activities. Students will attain knowledge, skills and fitness through a variety of outdoor recreational activities including archery, hiking, orienteering, hunters' safety, fishing, first aid and survival skills. This class will also include a variety of recreational games. Through this course students will develop leadership, communication, problem-solving, decision-making and team work skills. ***This is a semester only course.***

1820PE1/1820PE2 Strength Training & Conditioning**1820PE for year long course**

Grade Level: 10, 11, 12 Credit: ½ or 1 Type: PE

NOTE: 9th graders may take this course with consent of the instructor

School: BHS, HHS, RBHS

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. Cardio-respiratory workouts are also part of this course.

1825PE1/1825PE2 Zero Hour Strength Training & Conditioning**1825PE for year- long course**

Grade Level: 10, 11, 12 Credit: ½ or 1 Type: PE

NOTE: 9th graders may take this course with consent of the instructor

School: BHS, HHS, RBHS

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. Cardio-respiratory workouts are also part of this course. **This course will meet daily before school from 7:50 – 8:40. Students must provide their own transportation.**

1830PE1/1830PE2 Advanced Strength Training & Conditioning**1830PE for year long course**

Grade Level: 10, 11, 12 Credit: ½ or 1 Type: PE

Prerequisite: Consent of Instructor

School: BHS, HHS, RBHS

This course is for students who have successfully completed at least one semester of Strength Training and Conditioning. In this course students will focus on core lifts as well as other explosive power lifts. Form running, speed and agility training, core strength development, flexibility and body composition will also be stressed.

1835PE1/1835PE2 Women's Strength Training and Conditioning**1835PE for year long course**

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: PE

School: BHS, HHS, RBHS

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. (FEMALES ONLY)

1850PE1/1850PE2 Men's Team Sports

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

School: BHS, HHS, RBHS

This is a physical activity course emphasizing the basic skills, knowledge, cooperation, and teamwork of such sports as: Flash-ball, 7 on 7 or flag football, ultimate Frisbee, soccer, speedball, volleyball, team handball, basketball, softball as well as other contests and tournaments. General fitness improvement in flexibility, muscular endurance and cardiovascular conditioning through stretches and jogging will also be emphasized. (MALES ONLY)

1851PE1/1851PE2 Women's Team Sports and Fitness

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: PE

School: BHS, HHS, RBHS

This course is designed for women who have a desire to keep themselves physically fit and active. Students will participate in daily physical activity which may include: flag football, flash-ball, ultimate Frisbee, soccer, speedball, volleyball, team handball, basketball, softball, General fitness improvement in flexibility, strength, muscular endurance and cardiovascular conditioning will also be emphasized. (FEMALES ONLY)

1855PE1/1855PE2 Innovative Fitness For Women

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: PE

School: BHS, HHS, RBHS

This course is offered for young women who want to improve or maintain their body composition through muscular endurance, strength, flexibility and cardio respiratory endurance. Students of all fitness levels will be successful in this course if they enjoy exercising. Although this course can be intense, most exercises have various degrees of difficulty. Workouts include, but are not limited to; Pilates, muscle toning, fitness walking, aerobics, flexibility, and jogging. Instructor will also incorporate exercise equipment such as; hand weights, BOSU balls, stability balls, medicine balls, resistance bands, weighted bars, yoga blocks, and mats. (FEMALES ONLY)

1870PE1/1870PE2 Beginning Swimming

Grade Level: 9, 10, 11, 12 Credit: ½ Type: PE

School: BHS, HHS, RBHS

This course is designed for those students who have an interest in learning how to swim or for those who want to improve their swimming skills. This course is for all levels of swimming ability and will include water safety and water games. **Students must provide their own transportation to HHS.**

1875PE1/1875PE2 Advanced Swimming

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: PE

School: BHS, HHS, RBHS

This course is designed for the student who wants to improve overall fitness through swimming. Water polo, relays, team handball, and other water activities will be included along with workouts. Students who take this course should be comfortable in deep water and must have completed and passed Beginning Swimming or received permission from the instructor. **Students must provide their own transportation to HHS.**

1890PE1/1890PE2 Fitness Walking

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

School: BHS, HHS, RBHS

Recent studies have shown that increasing your physical activity by a small amount can make huge gains in your health. This class will allow students to improve their health through fitness walking. Students will be expected to walk up to 4 miles (16 laps) per day. Students will not be required to dress out for this class, but must wear appropriate attire for walking outside, ex: sweats, loose fitting jeans, shorts, 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. **This course is for grades 10-12 only.**

***Note: Online P.E. 1 (1810PE0) and Online P.E. 2 (1898PE20) is an option for students in grade 10, 11 and 12.**

SCIENCE**6607PS Physics 1**

Grade Level: 9 Credit: 1 Type: Physical Science

School: BHS, HHS, RBHS

Physics emphasizes the science behind real world applications of waves, motion, forces, and energy. Hands-on explorations using math and technology are incorporated to gain well-rounded knowledge of physics concepts. Students will accumulate data, construct graphs and develop mathematical models to describe the physical world. Lab activities are designed to develop skills in experimental design and data analysis. Students will use experimental design to solve problems discussed in class.

6608PS Physics 1 Honors

Grade Level: 9 Credit: 1 Type: Physical Science

School: BHS, HHS, RBHS

Recommended: Completion of Algebra 1

Physics Honors covers the same concepts as Physics with a greater depth in selected topics. This course moves at an accelerated pace, requires excellent reasoning skills and well-

developed work and study habits. Fluency in the application of algebra is **essential**. More self-directed learning is expected for both laboratory and classroom activities. Advanced research and writing skills are required for assignments and projects. Skills developed throughout the year will culminate in several in-depth projects in which students apply content and skills learned in the physics course.

6610BS Biology

6610BSO Biology ONLINE

Grade Level: 10, 11, 12 Credit: 1 Type: Biological Science
School: BHS, HHS, RBHS, CPS Online

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
School: BHS, HHS, RBHS

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.

6613BS Kinesiology

Grade Level: 11, 12 Credit: 1 Type: Biological Science

Prerequisite: Biology and Physics 1

Recommendations: Concurrent enrollment or completion of Chemistry. Although not required, Human Anatomy and Physiology and/or Sports Medicine would complement this class nicely.

School: BHS, RBHS

This course is designed to introduce students to the field of exercise science. Students will integrate biology, chemistry, physics, and human anatomy concepts to learn about biomechanics, nutrition, exercise physiology and exercise prescription. Other potential topics include sports psychology and motor learning. Students will be introduced to 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 this writing intensive and project intensive course.

6614BS Exercise Physiology

Grade Level: 11, 12 Credit: 1 Type: Biological Science

Prerequisite: Biology

School: HHS

In this course students will explore the anatomy and physiology of the human body in the context of competitive athletics, physical activity, and lifelong fitness. Upon completion of this course, students will be able to: 1. design a comprehensive nutrition program, 2. create weight resistance programs, including off- pre- and in-season components, for a variety of athletic events and fitness goals, and 3. design a lifelong cardiovascular fitness program. Topics will include energy systems, nutrition for sport, body composition, performance enhancing substances, neuromuscular concepts, weight resistance training, cardiovascular health and fitness, and sprint and endurance training methods, and how the anatomy and physiology of the body systems change due to the fitness and nutrition plans executed. Exercise Physiology is approved as a core course for the NCAA.

6615BS Genetics

Grade Level: 11, 12 Credit: 1 Type: Biological Science

Prerequisite: Biology

School: BHS, HHS

Genetics is designed to meet the needs of those students who have completed a one-year course in biology and want to learn more in the area of genetics. Topics will include human development, human heredity, molecular genetics, population genetics, and biotechnology. Integral to the course is the

examination of ethical dilemmas which have been created by new genetic technologies. The course will investigate careers relating to all areas of genetics. Upon completion of the course students will be able to analyze all aspects of research relating to a genetic disorder of choice.

6617BS Zoology

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

Prerequisite: Biology

School: BHS, HHS, RBHS

This semester class will explore the animal kingdom from simple sponges to complex mammals. We will see how animals have developed different strategies for survival. Required dissections of representative animals will help us learn about different anatomy. We will discover the relationships between different taxonomic categories of animals and the impact of different animals on people and each other will be revealed.

6620BS AP Biology

Grade Level: 11, 12 Credit: 1 Type: Biological Science

Prerequisite: Biology & Chemistry

School: RBHS

The course mirrors content and inquiry generally taught in a two-semester introductory biology combination classroom and laboratory course. It is designed to provide advanced students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The course is structured around the Four Big Ideas which form the foundation of the AP[®] Biology Curriculum Frameworks. These include the overarching theme of Evolution, as well as Cellular Processes and Energetics, Genetic Information, and Interactions in Biological Systems. Individual unit topics include: Nature of Science and experimental design, animal behavior and sensory systems, evolutionary biology, biochemistry, origins of life, cellular biology, cellular energetics, cell-cell communications, heredity, molecular genetics, genetic technology and bioethics, homeostasis and feedback regulation in plants and animals, and ecology. Students should expect to investigate and explore biology in small group situations and spend considerable time outside of class preparing for class discussions and learning activities.

6619BS AP Biology and AP Biology Laboratory

Grade Level: 11, 12 Credit: 2 Type: Biological Science

Prerequisite: Biology and Chemistry

School: BHS, HHS

AP Biology mirrors content and inquiry generally taught in a two-semester college introductory biology class including the required laboratory component of AP[®] Biology. It is designed to provide advanced students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The course is structured around the Four Big Ideas which form the foundation of the AP[®] Biology Curriculum Frameworks. These include the overarching theme of Evolution, as well as Cellular Processes and Energetics, Genetic Information, and Interactions in Biological Systems. Individual unit topics include: Nature of Science and experimental design, animal behavior and sensory systems, evolutionary biology, biochemistry, origins of life, cellular biology, cellular energetics, cell-cell communications, heredity, molecular genetics, genetic technology and bioethics, homeostasis and feedback regulation in plants and animals, and ecology. This 2-credit course will meet as a daily block and prepare students for the AP Biology[®] Exam.

6621BS Human Anatomy & Physiology

Grade Level: 11, 12 Credit: 1 Type: Biological Science

Prerequisite: Biology and Chemistry (or currently enrolled)

School: BHS, HHS, RBHS

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: Biology and Chemistry (or currently enrolled)

School: BHS, HHS, RBHS

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 body systems as Human Anatomy and Physiology in greater depth and detail.

Dissection is required in this course.

6623BS Microbiology

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

Prerequisite: Biology

School: BHS, HHS

Microbiology is an elective course requiring a basic understanding of cellular function, genetics, and ecology. The course will begin by studying the microbiological basics of viruses, bacteria, fungi, and other parasites. These principles will then be used to study the diseases of plants and animals (especially humans) with particular emphasis on pathology, epidemiology, and immunology. The course will focus on developing laboratory skills, working in group situations, and collecting and processing information.

6628PS Geoscience

Grade Level: 10, 11, 12 Credit: 1 Type: Physical Science

School: RBHS

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**6629PSO Environmental Science ONLINE**

Grade Level: 11, 12 Credit: 1 Type: Biological or Physical Science

Prerequisite: Biology

School: BHS, HHS, RBHS, CPS Online

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.

6631PS AP Environmental Science

Grade Level: 11, 12 Credit: 1 Type: Biological or Physical Science

Prerequisite: Biology

School: BHS, HHS, RBHS

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.

6635PS Chemistry**6635PSO Chemistry Online**

Grade Level: 10, 11, 12 Credit: 1 Type: Physical Science

School: BHS, HHS, RBHS, CPS Online

Chemistry, taught using the Modeling Instruction approach, emphasizes the construction and application of conceptual models. Students develop particle models that evolve from unit to unit to construct their own understanding of matter and the role of energy in physical and chemical changes. Traditional chemistry concepts including gas properties, structure of matter, chemical equations and chemical reactions are investigated using the graphical analysis of laboratory data and other technologies.

6636PS Chemistry Honors

Grade Level: 10, 11, 12 Credit: 1 Type: Physical Science

Prerequisite: Completion or concurrent enrollment in Algebra 2 with strong Algebra skills.

School: BHS, HHS, RBHS

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: Algebra 2 and Chemistry

School: BHS, HHS, RBHS

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

School: RBHS

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 Astronomy

Grade Level: 11, 12 Credit: 1/2 Type: Physical Science

School: RBHS

Astronomy is a beginner's 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 Oceanography

Grade Level: 11, 12 Credit: 1/2 Type: Physical Science

Prerequisite: Biology

School: RBHS

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.

6642PS Meteorology

Grade Level: 11, 12 Credit: 1/2 Type: Physical Science,

Biology, Earth Science

School: BHS

The students in this course are taught the scientific fundamentals of weather analysis and forecasting. They learn by doing; they make observations, analyze data, conduct scientific investigations, interact with guest speakers, and research past

and present case studies. Students will apply the science learned in previous courses to solve real world problems. Students will use technology to participate in activities that closely resemble those used by meteorologists.

6644BS Contemporary Issues in Science and Society

Grade Level: 10, 11, 12 Credit: 1 Type: Biological Science
School: RBHS

This course explores the intersection of modern issues facing the world from a combined science and social studies perspective. Students will examine scientific, historical, geographical, cultural, civic and economic dimensions of a diverse collection of local, national, global issues. As they examine issues of food security, genetic technology, epigenetics, water and energy, chronic and infectious disease, and climate change, they will hone their reading, writing, and interdisciplinary thinking skills. Students will look at how individual and societal responses have made things both better and worse and look for possible future solutions through both scientific and social studies perspectives as the world addresses these challenges in the 21st century. [Note: students may elect to earn either 6644BS credit or 4818SS credit for this course but may not enroll in both sections]

6645PS Physics 2

Grade Level: 10, 11, 12 Credit: 1 Type: Physical Science
Prerequisite: Physics 1 and Geometry. Concurrent enrollment in Algebra 2
School: BHS, HHS, RBHS

Physics 2 is a continuation of physics concepts not covered in Physics 1. Areas of physics to be explored are: optics, waves, electricity, circuits, magnetism, atomic and nuclear physics. 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 1: Algebra-based

Grade Level: 10,11,12 or teacher recommendation
Credit: 1 Type: Physical Science
Prerequisite: Completion or concurrent enrollment in Algebra 2.
School: BHS, HHS, RBHS

AP Physics 1: Algebra-based is a first-semester **college-level** course designed to provide advanced students with the conceptual framework and factual knowledge to solve algebra-based physics problems and laboratory investigations. Advanced algebra skills are needed to solve mathematical equations related to physics. The course will provide a solid foundation for students wishing to pursue future studies in medicine, science and engineering. Topics include Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves, sound and introduction to electric circuits. The course will prepare students for the AP Physics 1 exam.

6649PS AP Physics 2

Grade Level: 10, 11, 12 Credit: 1 Type: Physical Science
Prerequisite: Successful completion of AP Physics 1
School: BHS, HHS, RBHS

AP Physics 2 is a second-semester algebra-based **college-level** course designed to provide advanced students with the conceptual framework and factual knowledge to solve algebra-based physics problems and laboratory investigations. Advanced algebra skills are needed to solve mathematical equations related to physics. The course will provide a solid foundation for students wishing to pursue future studies in medicine, science and engineering. Topics include fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. The course will prepare students for the AP Physics 2 exam.

6650PS AP Physics C: Mechanics

Grade Level: 10, 11, 12 Credit: 1 Type: Physical Science
Prerequisite: Concurrent enrollment in Calculus BC or successful completion of Calculus AB
School: HHS, RBHS

AP Physics C first-semester **college-level** course designed to provide advanced students with the conceptual framework and

factual knowledge to solve **calculus**-based physics problems and laboratory investigations. Calculus skills are needed to solve mathematical equations related to physics. The course will provide a solid foundation for students wishing to pursue future studies in medicine, science and engineering. Topics include Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, momentum, and power; and wave theory. The course will prepare students for the AP Physics C: Mechanics exam.

6670PS Forensic Science

Grade Level: 11, 12 Credit: 1/2 Type: Biological or Physical Science
Prerequisite: Biology
School: BHS

The students in this course are taught the scientific fundamentals of a criminal investigation and how it is applied in a court of law. They learn by doing; they process crime scenes, analyze lab data, conduct scientific investigations, interact with guest speakers, and research past and present cases. Students will apply the science learned in previous courses to solve real world problems. Students will use technology to participate in activities that closely resemble those used by law enforcement personnel, forensic scientists and district attorneys.

6672PS Chemistry Applications

Grade Level: 11, 12; **Credit:** 1/2 **Type:** Physical Science
Prerequisite: Biology & Chemistry
School: BHS

The students in this course will learn about how chemistry is applied to a variety of real-world scenarios like medicine, the environment, industry, etc. Students will cover advanced chemistry topics including, but not limited to, acids/bases, equilibrium, kinetics, organic chemistry, and biochemistry. Skills developed throughout the semester will culminate in several in-depth projects in which students apply content and skills learned in their chemistry courses.

DOUGLASS ONLY COURSES:

6645PS Physics by Design

Grade Level: 11, 12 Credit: 1 Type: Physical Science
School: DHS

Physics by Design is a course that applies physics concepts learned in Physics 1 to real world design and engineering problems. Students will study structures, robotics, light & photography, and flight. Students will first explore specific physics concepts using hands on lab materials or computer simulations. Students will then be presented with a design or engineering challenge. They will create a design and then build a working model of the design to accomplish this challenge.

6643PS Urban Ecology

Grade Level: 9, 10, 11, 12 Credit: 1/2 Type: Biological Science
School: DHS

Students will experience and understand the complex ecological relationships and biodiversity of urban ecosystems. Students study human impacts on local watershed and techniques for minimizing these impacts. Students will also participate in development of an urban rain garden, community garden, and support native plant restoration projects.

6099PS Electricity & Electronics

Grade Level 9, 10, 11, 12 Credit: 1 Type: Physical Science
School: DHS

In this course, students will investigate and develop an understanding of the fundamental principles of electricity and basic electronics through daily hands-on lab experiences. Students will investigate both series and parallel circuits, learn to use multi-meters to measure current and voltage, and develop an understanding of Ohm's Law. Students will then explore basic electronics using breadboards, LEDs capacitors, resistors,

transistors, switches, culminating in an independent electronics project.

6632PS Environmental Solutions

Grade Level: 10,11, 12 Credit 1 Type: Biological Science
School: DHS

This course will provide students “real world” opportunities to study the effect of human impact on the environment. Students will research select environmental issues and then design and construct real world solutions. Students’ designs must be scientifically based, consider cost, efficiency, and practical application.

6633PS Chemistry for Health and Biological Science Grade Level: 11, 12 Credit 1 Type: Physical Science School: DHS

Fundamentals of chemistry for students wanting to enter biological or health-related fields. Topics include stoichiometry, chemical equations and reactions, properties of gases, solutions and electrolytes, acid/base properties and pH, an introduction to organic chemistry, and various aspects of chemistry important in biological systems
Spring Semesters: 1 physical science credit (Juniors and Seniors)

6673BS ELL Life Science Grade Level: 9,10,11,12 Credit 1 Type: Biological Science School: DHS

A intro level life science course that is only available to ELL students. Students will be taught the fundamental basics of all aspects of the life sciences, in effort to scaffold them through concepts that our native students would have learned in Middle School and help them apply those concepts to High School level content. Class will be co-taught by an ELL certified teacher to meet district requirements.
Mini-Elective: Aug-May (odd years)

6674PS ELL Physical Science Grade Level: 9,10,11,12 Credit 1 Type: Physical Science School: DHS

A intro level physical science course that is only available to ELL students. Students will be taught the fundamental basics of all aspects of the physical sciences, in effort to scaffold them through concepts that our native students would have learned in Middle School and help them apply those concepts to High School level content. Class will be co-taught by an ELL certified teacher to meet district requirements.
Mini-Elective: Aug-May (even years)

SOCIAL STUDIES

4301GV Government

Grade Level: 9 Credit: 1 Type: Government*

This course explores how government is effectively developed and utilized by the people it serves, including an in-depth study of U.S. governmental principles and structures at the national, state, and local levels. Students will examine the historical, geographical, cultural, civic, and economic dimensions of governmental theory and practice and will hone their reading, writing, and disciplinary thinking skills as they engage in inquiries such as how do the rights and responsibilities of individuals change within different governmental systems or how do American citizens ensure that their government remains responsive to their needs? [Note: *Successful completion of at least one semester of this course, in conjunction with passing the district’s US Constitution Exam and MO Constitution Exam, satisfies the State of Missouri’s civics education requirement for graduation].

This course may be taken in the following formats:

4301GV Government **4301GVO Government ONLINE**

School: BHS, DHS, HHS, CPS Online

This course is an individually-taught, non-integrated section of Government.

4302GV Government Honors

School: HHS

This course is an individually-taught, non-integrated section of Government that explores the curriculum in a more in-depth manner with extended opportunities for independent study. Strong literacy skills are needed for comprehension of challenging texts/tasks, and a self-motivated work ethic is essential for student success.

0510NC Civic Studies BLOCK

School: HHS, RBHS*

This team-taught, double-block course integrates the study of Government and English 9: Civic Literature through a collaborative teaching partnership between Social Studies and Language Arts, emphasizing cross-content connections, critical thinking skills, and interdisciplinary skills. Students will work collaboratively within a large classroom environment. A self-motivated work ethic is essential for student success.

[Note: *At RBHS, students can individually contract for Honors credit as part of a Civic Studies course]

0515NC Civic Studies – Honors BLOCK

School: BHS, HHS

This team-taught, double-block course provides for an intensive investigation into governmental issues and civic literature, introducing college-level reading, writing, research, and critical thinking skills that will prepare students for future Advanced Placement coursework. A self-motivated work ethic is essential for student success. Students will work collaboratively within a large classroom environment.

0516NC AP United States Government & Politics/English 9: Civic Literature – Honors BLOCK

School: BHS

This team-taught, Advanced Placement double-block course provides for an intensive investigation into governmental issues and civic literature, introducing college-level reading, writing, research and critical thinking skills. A self-motivated work ethic is essential for student success. Students will work collaboratively within a large classroom environment. After completion of the course, students may elect to take the College Board Advanced Placement United States Government & Politics Exam to potentially earn college credit for their studies.

4501WH The Modern World

Grade Level: 10 Credit: 1 Type: World History

This course explores how and why world civilizations have developed and changed within the modern era. Students will examine the historical, geographical, cultural, civic, and economic dimensions of a diverse collection of global case studies, such as the Enlightenment, the Industrial Revolution, Imperialism, the World Wars, etc., and will hone their reading, writing, and disciplinary thinking skills as they engage in inquiries such as why do global conflicts occur and how are they resolved or how should the world address the challenges of the 21st century?

This course may be taken in the following formats:

4501WH The Modern World **4501WHO The Modern World ONLINE**

School: BHS, DHS, HHS, CPS Online

This course is an individually-taught, non-integrated section of The Modern World.

0520NC Modern World Studies BLOCK

School: HHS, RBHS*

This team-taught, double-block course integrates the study of World History and English 10 and World Literature through a collaborative teaching partnership between Social Studies and Language Arts, emphasizing cross-content connections, critical thinking skills, and interdisciplinary skills. Students will work collaboratively within a large classroom environment. A

self-motivated work ethic is essential for student success.

[*Note: *At RBHS, students can individually contract for Honors credit as part of a Modern World Studies course*]

4505WH AP World History

School: HHS

This Advanced Placement course is an intensive investigation into major themes, people, ideas and events in world history. To be successful, students must employ superior reading, writing, research, and critical thinking skills along with a self-motivated work ethic. After completion of the course, students may elect to take the College Board Advanced Placement World History Exam to potentially earn college credit for their studies.

0527NC AP World History/English 10 – World Literature Honors BLOCK

School: BHS, HHS, RBHS

This team-taught, double-block, Advanced Placement course provides for an intensive investigation into major themes of world history and world literature, emphasizing college-level reading, writing, research, and critical thinking skills. A self-motivated work ethic is essential for student success. Students will work collaboratively within a large classroom environment. After completion of the course, students may elect to take the College Board Advanced Placement World History Exam to potentially earn college credit for their studies.

4601US The Modern United States of America

Grade Level: 11 Credit: 1 Type: U.S. History

This course explores how America has changed since the Civil War to become the nation it is today. Students will examine the historical, geographical, cultural, civic, and economic dimensions of a variety of case studies ranging from Reconstruction to major contemporary events in America. Students will frequently read, write, and collaborate as a means of historical inquiry. Open-ended questions are often posed to have students think deeply about the content, and to consider a variety of possibilities.

This course may be taken in the following formats:

4601US The Modern United States of America

4601USO The Modern United States of America

School: BHS, DHS, HHS, CPS online

This course is an individually taught, non-integrated section of The Modern United States of America.

0530NC Modern U.S. Studies BLOCK

School: HHS, RBHS*

This team-taught, double-block course integrates the study of U.S. History and English 11: American Literature through a collaborative teaching partnership between Social Studies and Language Arts, emphasizing cross-content connections, critical thinking skills, and interdisciplinary skills. Students will work collaboratively within a large classroom environment. A self-motivated work ethic is essential for student success.

[*Note: *At RBHS, students individually contract for Honors credit as part of a Modern U.S. Studies course*]

4604US AP U.S. History

School: BHS, HHS

This Advanced Placement course is comprehensive study of the major individuals, events, and ideas that comprise the totality of American history. To be successful, students must demonstrate superior reading, writing, research, and critical thinking skills and a self-motivated work ethic. After completion of the course, students may elect to take the College Board

Advanced Placement U.S. History Exam to potentially earn college credit for their studies.

0540NC AP U.S. History/AP English Language and Composition BLOCK

School: BHS, HHS, RBHS

This team-taught, double-blocked Advanced Placement course provides for an intensive investigation into major themes of American history and literature, emphasizing college-level reading, writing, research, and critical thinking skills, particularly in relation to the study of historical prose. Students will work collaboratively within a large classroom environment. A self-motivated work ethic is essential for student success.

After completion of the course, students may elect to take the College Board Advanced Placement U.S. History Exam and/or the Language and Composition Exam to potentially earn college credit for their studies.

4454SS Classical Ideas and World Religions

Grade Level: 11, 12

Credit: 1 Type: Social Studies*

School: BHS, RBHS

This year-long course focuses on significant metaphysical ideas which have been explored throughout history and which continue to be influential today. Students will read excerpts from philosophy, world religions, and world literature; listen to guest speakers; write to clarify ideas; and research for further information. This class requires a willingness to think critically and a commitment to read challenging material. [*Note: * Students may elect to earn either 2454LA credit or 4454SS credit **only at RBHS or BHS for this course but may not enroll in both sections.*]

4706SS1 AP Government and Politics: U.S.

4706SS2 AP Government and Politics: Comparative Politics

Grade Level: 11, 12

Credit: 1* Type: Government**

School: BHS, HHS, RBHS

This year-long, Advanced Placement course is a rigorous comparative study of seven governmental systems: The United States, United Kingdom, Mexico, China, Nigeria, U.S.S.R./Russian Republic and Iran. Students will be introduced to the fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of national contexts, with areas of comparison to include: sovereignty, authority and power, political institutions, citizens and state, political and economic change and public policy. To be successful in this course, a student must demonstrate superior reading, writing, research, and critical thinking skills and a self-motivated work ethic. After completion of the course, students may elect to take the College Board Advanced Placement United States Government & Politics Exam and/or the Comparative Government & Politics exam to potentially earn college credit for their studies. [*Note: **Successful completion of 4706SS1, in conjunction with some independently-contracted work and passing the district's US Constitution Exam and MO Constitution Exam, satisfies the State of Missouri's civics education requirement for graduation. Please consult with the course instructor if interested in this option.*]

4801SS African-American Studies

Grade Level: 11, 12 Credit: 1 Type: Social Studies

School: BHS*, DHS, HHS, RBHS

*Dual Credit Option: Moberly Area Community College***

This course explores the history and cultures of the entire African Diaspora, while focusing in greater detail on the people of African descent in the United States. Students will follow the Black experience from its African origins through transatlantic transplantation and slavery to World War II, as well as evolving racial, gender and ethnic identities in post-WWII America through the stories of a variety of individuals and groups. Topics may include: family structures, social institutions, racial/gender/ethnic stereotypes, and pivotal movements across time. Students will be encouraged to critically examine the way they see themselves and others from an enriched understanding of the historical and cultural diversity that defines the American experience. [*Note: *At BHS, this course may be integrated with English 12: African-American Literature (2451EN) and taught in a block fashion.*]

***Upperclassmen at BHS who meet MACC enrollment criteria may dual enroll in this course for college credit by paying a discounted tuition rate of \$75 per credit hour]*

4802SS Advanced African American Studies

Grade level: 12 Credit: 1 Type: Social Studies
School: BHS
Dual Credit: University of Missouri

This challenging year-long, dual credit course with the University of Missouri is a reading and writing intensive class that covers the same content as the regular African American Studies course offered by CPS at a more rigorous level. This course may be integrated with English 12: African-American Literature (2451EN) and taught in a block fashion (2 credits will be earned if blocked). This class will be taught by both CPS teachers and faculty from the university. Students who enroll in this class will also receive 3 credit hours from the University of Missouri.

4805SS AP Human Geography

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Social Studies
School: BHS, HHS, RBHS

This year-long, Advanced Placement course is designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface and resources. Students will employ landscape analysis and spatial concepts to examine human social organization and its environmental consequences. They also will learn about the methods and tools geographers use in their science and practice. After completion of the course, students may elect to take the College Board Advanced Placement Human Geography Exam to potentially earn college credit for their studies.

4806SS AP European History

Grade Level: 11, 12 Credit: 1 Type: Social Studies*
School: BHS, HHS, RBHS

This year-long, Advanced Placement course provides an intensive study of European Civilization from the Renaissance to the present-day, including the political, economic, social, and cultural developments that continue to play a fundamental role in shaping the 21st century world. Students will analyze historical evidence, evaluate historical interpretation, and express historical argumentation in the course, and to be successful, must demonstrate superior reading, writing, research, and critical thinking skills and a self-motivated work ethic. After completion of the course, students may elect to take the College Board Advanced Placement European History Exam to potentially earn college credit for their studies. [Note: **This course does not meet the district graduation requirement for World History]*

4811SS Psychology

4811SSO Psychology ONLINE

Grade Level: 11, 12 Credit: 1/2* Type: Social Studies
School: BHS, HHS, RBHS, CPS Online

Psychology is a single-semester course that explores the processes of the human mind and introduces students to the behavioral sciences. Topics of study include: social psychology, brain science and the biological basis of behavior, sensations and perceptions, memory and learning theories, motivation, emotions, altered states of consciousness, stress and adjustment, personality theories, and abnormal psychology. The course seeks to provide both academic and everyday applications of human psychology that may be useful preparation for future careers in law, social services, politics, criminal justice, and business/marketing. [Note: **It is recommended but not required that students enrolling in Psychology also enroll in Sociology as a companion class the same year]*

4812SS AP Psychology

4812SSO AP Psychology ONLINE

Grade Level: *9,*10, 11, 12 Credit: 1 Type: Social Studies
School: BHS, **HHS, RBHS, CPS Online

This year-long, Advanced Placement course is designed to provide a more rigorous and deeper study into human psychology than the semester course. It will present students with the psychological facts, principles, and phenomena associated with each of the major subfields within psychology, as well as teach

students to use research methods used by contemporary psychologists. To be successful, students must demonstrate superior reading, writing, research, and critical thinking skills and a self-motivated work ethic. After completion of the course, students may elect to take the College Board Advanced Placement Psychology Exam to potentially earn college credit for their studies.

***AP Psychology is open for grades 9-12 at Hickman High School*

4813SS Sociology

4813SSO Sociology ONLINE

Grade Level: 11, 12 Credit: 1/2* Type: Social Studies
School: BHS, DHS, HHS, RBHS, CPS Online

Sociology is a single-semester course that introduces students to the processes used to study human social interaction. Topics of study include: culture and socialization, social stratification (race, ethnicity, and gender inequality), deviance and social control, major social institutions (family, religion, education), and social change. [Note: **It is recommended but not required that students enrolling in Sociology also enroll in Psychology as a companion class the same year]*

4814SS Sport & Performance Psychology

Grade Level: 9,10, 11, 12 Credit: 1/2 Type: Social Studies*
School: HHS

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. [Note: **A General Elective version of this course, 1610EL Sport & Performance Psychology, is available at BHS and RBHS]*

4815SS American Popular Culture

Grade Level: 12 Credit: 1 Type: Social Studies
School: BHS, HHS, RBHS*

This year-long course explores how American popular culture both reflects and produces social values in our society. Students will become critical consumers of mass-media - including music, radio, film, television, literature, advertising, toys, fashion, and fads – to critically examine the impact of consumerism and youth culture and to gain deeper insight into the diversity and complexity of American society. Students will apply and refine the skills of analysis, synthesis, and evaluation to better understand the impact of mass media culture on their everyday lives. [Note: **At RBHS students may elect to earn either 2460EN credit or 4815SS credit for this course but may not enroll in both sections.]*

4816SS World War II and the 20th Century

Grade Level: 10, 11, 12 Credit: 1 Type: Social Studies
School: BHS, HHS, RBHS

This course will examine the events of the Second World War and the reverberating impact those actions had around the world for the remainder of the 20th century. Students will study the major political and military events of both the European and Pacific theaters (including several case studies in major battles) and will explore the social and economic changes on the Homefront that resulted from these engagements, with an emphasis on medical and technological innovations. Additionally, students will trace how other major events of the 20th century (such as the Cold War, the Arab-Israeli conflict, the rise of India and China, and African independence movements) are significantly rooted in the outcome of World War II.

4818SS Contemporary Issues in Science and Society

Grade Level: 10, 11, 12 Credit: 1 Type: Social Studies
School: RBHS

This course explores the intersection of modern issues facing the world from a combined science and social studies perspective. Students will examine scientific, historical, geographical, cultural, civic and economic dimensions of a diverse collection of local, national, global issues. As they examine issues of food security, genetic technology, epigenetics, water and energy, chronic and infectious disease, and climate change, they will hone their reading, writing, and interdisciplinary thinking skills. Students will look at how individual and societal responses have made things both better and worse and look for possible future solutions through both scientific and social studies perspectives as the world addresses these challenges in the 21st century.

[Note: students may elect to earn either 6644BS credit or 4818SS credit for this course but may not enroll in both sections]

STUDENT VOLUNTEER CORPS

1410AD/MEN Advisory Mentor/LINK CREW (BHS)

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

Prerequisite: Application and interview required

School: BHS, HHS, RBHS

Provides students an opportunity to develop leadership skills and mentoring relationships as they support freshman students transitioning from middle school to senior high. The mentors serve a key role in orienting students to high school, teaching about the school community and culture and helping all students feel connected. Mentors are assigned to advisory classes to tutor and serve as a support to programs/presentations throughout the year. In addition, mentors will teach mini-lessons throughout the school year that focus on communication and study skills. Mentor grade is based on attendance, participation, and performance of specified leadership skills.

1410MEDIA Media Center Assistant

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

Prerequisite: Application and Library Media Specialist approval

School: BHS, HHS, RBHS

Provides students an opportunity to assist Library Media 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. 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 Mentor/Tutor

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

Prerequisite: Application and interview required

School: RBHS

Provides an opportunity for high school students to travel to CORE, or to New Haven Elementary School to serve as a classroom tutor, or to Rock Bridge Elementary School or Benton Elementary School to mentor an individual elementary student. Students must have reliable transportation as they are required to travel to their host school during their assigned tutoring/mentoring block and **must provide their own transportation to and from the school**. This is a year-long commitment. Students enrolled in the A+ Program can earn their tutoring hours through this course.

1410NC A+ Tutoring

Grade Level: 10, 11, 12 Credit: 0

School: BHS, HHS

Participants in the A+ program who wish to perform the required 50 hours of tutoring during the school day may select A+ Tutoring as a non-credit option. Students work until 50 or more hours are completed.

1410OA Office Aide

Grade Level: 10, 11, 12 Credit: .5

School: BHS, HHS, RBHS

Provides students an opportunity to work in a voluntary capacity in one of the offices in the school. Students must inquire

and receive approval from the administrator in charge of the office. Responsibilities may include running passes, delivering materials, providing tours of the building, or other tasks as needed. Most days students will have time to study and work on homework as well.

TECHNOLOGY EDUCATION

7710PA CASA LAB 1

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Practical Art

School: HHS

Problem solving, group work and independent decision-making skills are a few of the dynamics students will learn and practice in this course. The Columbia Aeronautics and Space Association (CASA) is an aerospace simulation that gives students many opportunities to apply their knowledge and in problem-solving skills in areas such as Administration, Aerospace Research, Engineering Design, Science, Emergency Medicine, Audio-Visual Engineering and Production, Business and Marketing, and Educational Outreach. In CASA, students replicate NASA technologies and experiments in a student directed, hands-on simulation. Students expand their knowledge in science, technology, engineering and mathematics (STEM) related projects in a projects-based learning environment. *Students from BHS and RBHS with transportation can take this course

7715PA CASA LAB 2

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

School: HHS

Problem solving, group work and independent decision-making skills are a few of the dynamics students will practice in this course. After completing their first CASA mission, students are able to develop their own personal skills and integrate them into their involvement in CASA, along with taking on more leadership responsibilities. Students continue to expand their knowledge in science, technology, engineering and mathematics (STEM) related projects in a project-based learning environment.

*Students from BHS and RBHS with transportation can take this course

7720PA Advanced CASA Lab

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

School: HHS

In Advanced Aerospace, students take on more of a leadership role in the Columbia Aeronautics and Space Association (CASA). Students design and manage group projects, make public presentations and lead the training of CASA teams. Problem solving, group work and independent decision-making skills are a few of the dynamics students will practice which are applicable in higher education as well as the work environment. **This course may be repeated for credit.** *Students from BHS and RBHS with transportation can take this course.

7730PA Theater Technology 1

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Practical Art

School: BHS, HHS, RBHS

Students will learn principles of set design and construction, painting, lighting, sound, and theater maintenance. They will learn how to safely use construction tools and will be required to exhibit safe and appropriate behavior with equipment to remain in the course. Students will apply the knowledge they gain in class to the building of sets for various school plays and musicals. Some time is required outside of class to participate as members of technical crews for the school's music and theatrical productions.

7735PA Theater Technology 2

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

Prerequisite: Theater Technology 1

School: BHS, HHS, RBHS

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

7740PA Theater Technology 3

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

Prerequisite: Theater Technology 2

School: BHS, HHS, RBHS

Students who have developed a strong interest in the technical aspects of theatre should enroll in Theatre Technology/Technical Theater 3. These students would have leadership responsibilities and be able to focus on a specific area of set and scenic design, lighting, sound design, costuming, makeup, etc.

7755PA Woodworking

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Practical Art

School: BHS, HHS

Woodworking introduces students to the basic designs and process used in the hobby/craft/trade of woodworking. Planning, constructing, and machine safety will be emphasized throughout the year. Project work will include both required, and individually designed projects as a part of the class. Various wood associated materials will be utilized in small to medium sized projects. Career exploration, problem solving and applied math and science principles will be stressed through project work.

7760PA Production Woodworking

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

School: BHS, HHS

Production Woodworking introduces students to the designs and process used in the woodworking industry. In this course you will learn modernized aspects of woodworking by utilizing new technology such as CO2 lasers as well as Computer Numerical Control (CNC) equipment. Production Woodworking is designed for the aspiring professional furniture-maker and/or dedicated amateur who seek in-depth training at the highest standard of excellence. It is suggested that students have taken Woodworking or have significant experience in that area prior to taking this course.

Note: We will be using industrial tools and equipment throughout the day. Every step will be clearly demonstrated, and all techniques, safety tips and guidelines will be explained before anyone is asked to use any equipment.

0507NC Geometry in Construction blocked with Production Woodworking

Grade level: 10 Credit: 2 Type: Math and Practical Arts

Prerequisite: Algebra 1

School: BHS

Geometry in Construction

This course is one part of the combined Geometry in Construction course. Students are engaged in exploring complex geometric situations and deepening their understanding of geometric relationships in the context of a construction project. They will prove theorems and solve problems about triangles, quadrilaterals, and other polygons; establish triangle congruence criteria based on analyses of rigid motions and formal constructions; apply similarity in right triangles to understand right triangle trigonometry; and use a rectangular coordinate system to verify geometric relationships. They will extend their knowledge of two-dimensional and three-dimensional objects to include informal explanations of circumference, area and volume formulas and consider the shapes of cross-sections. Students will prove basic theorems about circles and create and graph the equation of a circle. They will use the languages of set theory to expand their ability to compute and interpret theoretical and experimental probabilities. This contextual learning experience allows students to see a variety of geometry concepts used in real-world settings.

Production Woodworking

This course is one part of the combined Geometry in Construction course. Through hands on learning experiences and the building of an actual structure, students will apply geometry concepts to a variety of construction processes in order to see the connection between the two. Students will gain a hands-on understanding of basic construction methods, construction safety, and the variety of tools needed for different construction tasks. Through this course, students will be exposed to a variety of construction trades. This contextual learning experience allows students to see a variety of geometry concepts used in a real-world setting.

Note: This contextual learning experience combines all Geometry standards and Production Woodworking standards through relevant and interactive projects. Students will be enrolled in two courses and receive both a Geometry and Practical Arts credit.

WORLD LANGUAGES

Students who successfully complete a level 2 language course will have met the World Language admission requirement of the University of Missouri and some other four-year public colleges in Missouri. At MU and many other colleges, students who have completed four levels of a World Language in high school are exempt from the 3-semester or 13 hour requirement for the degree programs that have that requirement. They may also receive College Credit for their high school study if a student is placed in level 2, 3 or 4 at a post-secondary institution. [NOTE: Students must check with the college they plan to attend about advanced credit policies.] World Language courses are NOT required for high school graduation.

Language acquisition is a process that builds on previous knowledge. It takes disciplined study habits over a long period of time to learn another language. DAILY HOMEWORK, CLASS PARTICIPATION AND CONSISTENT ATTENDANCE are essential for success in any World Languages class. Throughout the year, teachers will be assessing student proficiency of the essential curriculum in order to help the student determine the course in which he/she should enroll the following year.

3115WL French 1

3115WLO French 1 ONLINE

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective

School: BHS, HHS, RBHS, CPS Online

In French 1 students will develop skills in reading, writing, listening and speaking. Students will learn pronunciation, vocabulary and grammatical structures through a variety of activities. The culture of the French-speaking world is introduced through the geography, customs, and traditions of various countries. Students satisfactorily completing the French 1 course may enroll in French 2.

3120WL French 2

3120WLO French 2 ONLINE

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective

Prerequisite: French 1

School: BHS, HHS, RBHS, CPS Online

French 2 reinforces and expands the listening, speaking, reading and writing skills learned in French 1. Building vocabulary, improving pronunciation and practicing the correct usage of grammatical structures through a variety of activities will be the focus. There will be further study of the geography, customs, traditions and culture of the French-speaking world. Students satisfactorily completing the French 2 course may enroll in French 3.

3130WL French 3

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective

Prerequisite: French 2

School: BHS, HHS, RBHS

In French 3, the skills from levels one and two are reinforced and advanced grammar topics and additional vocabulary will be learned. Students will develop stronger speaking and writing skills in order to express their original ideas. Listening exercises and reading selections will be used to strengthen comprehension skills. Upon the successful completion of this course, students will have developed basic communication skills in the language. Students satisfactorily completing the French 3 course may enroll in French 4.

3140WL French 4

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

Prerequisite: French 3

School: BHS, HHS, RBHS

This course continues to develop language skills through extensive reading and discussion of modern France: the family, young people, the educational system, the government, music and the cinema. Formal grammar study is integrated into speaking and writing activities dealing with these themes. The successful student will be highly motivated and self-disciplined. The majority of instruction will be in French.

3150WL AP French Language and Culture

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

Prerequisite: French 4

School: BHS, HHS, RBHS

This course is designed to prepare students for the College Board Advanced Placement examination in Language. Reading selections are contemporary in nature and may include short stories, poetry, and various articles. An in-depth study on grammar and vocabulary will be applied through discussions of readings and current events and frequent writing assignments. Cultural studies will be incorporated through authentic selections of print, films and music. Successful completion of this course and the AP examination may allow the student to receive college credits and/or advanced standing.

3215WL German 1

3215WLO German 1 ONLINE

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective

School: BHS, HHS, RBHS, CPS Online

In German 1, students will develop skills in reading, writing, listening and speaking. Students will learn pronunciation, vocabulary and grammatical structures through a variety of activities. The culture of the German-speaking world is introduced through the geography, customs, and traditions of various countries. Students satisfactorily completing the German 1 course may enroll in German 2.

3220WL German 2

3220WLO German 2 ONLINE

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

Prerequisite: German 1

School: World Languages Center, CPS Online

German 2 reinforces and expands the listening, speaking, reading and writing skills learned in German 1. Building vocabulary, improving pronunciation and practicing the correct usage of grammatical structures through a variety of activities will be the focus. There will be further study of the geography, customs, traditions and culture of the German-speaking world. Students satisfactorily completing the German 2 course may enroll in German 3.

3230WL German 3

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

Prerequisite: German 2

School: World Languages Center

In German 3, the skills from levels one and two are reinforced and advanced grammar topics and additional vocabulary will be learned. Students will develop stronger speaking and writing skills in order to express their original ideas. Listening exercises and reading selections will be used to strengthen comprehension skills. Upon the successful completion of this course, students will have developed basic communication skills in the language. Students satisfactorily completing the German 3 course may enroll in German 4.

3240WL German 4

Grade Level: 12 Credit: 1 Type: Elective

Prerequisite: German 3

School: World Languages Center

This course stresses the development of reading and communication skills and continues a review of grammar topics. Reading selections are contemporary in nature and include short stories, poetry and non-fiction in various genres. The language lab is used to improve listening comprehension and speaking skills. Cultural background material is provided by print, films and music.

3250WL AP German Language and Culture

Grade Level: 12 Credit: 1 Type: Elective

Prerequisite: German 4

School: World Languages Center

This course is designed to prepare students for the College Board Advanced Placement examination in Language. Reading selections are contemporary in nature and may include short stories, poetry, and various articles. An in-depth study on grammar and vocabulary will be applied through discussions of readings and current events and frequent writing assignments. Cultural studies will be incorporated through authentic selections of print, films and music. Successful completion of this course and the AP examination may allow the student to receive college credits and/or advanced standing.

3315WL Japanese 1

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective

School: BHS, HHS, RBHS

In Japanese one, students will develop skills in reading, writing, listening and speaking. Students will learn pronunciation, vocabulary and grammatical structures through a variety of activities. The geography, customs, traditions and culture of Japan are introduced. Students will begin two of the three sets of Japanese writing systems: hiragana and katakana.

3320WL Japanese 2

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

Prerequisite: Japanese 1

School: World Languages Center

Japanese 2 reinforces and expands the listening, speaking, reading and writing skills learned in Japanese 1. Building vocabulary, improving pronunciation and practicing the correct usage of grammatical structures through a variety of activities will be the focus. Having already mastered two sets of Japanese syllabaries (Hiragana and Katakana), students will study the third component of written Japanese: Chinese characters called Kanji. There will be further study of the geography, customs, traditions and culture of Japan. Students completing the Japanese 2 course will enroll in Japanese 3.

3330WL Japanese 3/4 Niwatori (offered in 2019-2020)

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

Prerequisite: Japanese 2

School: World Languages Center

In this course, the skills from previous levels are reinforced. Advanced grammar topics and additional vocabulary will be studied. Students will develop stronger speaking and writing skills in order to express their original ideas. Listening exercises and reading selections will be used to strengthen comprehension skills. Upon the successful completion of this course, students will have developed basic communication skills in the language.

3340WL Japanese 3/4 Tamago (offered in 2018-2019)

Grade Level: 12 Credit: 1 Type: Elective

Prerequisite: Japanese 2

School: World Languages Center

Effective communication in Japanese is the goal of this course. Grammar concepts from previous levels are expected to be used correctly; however, more difficult grammar concepts will be reviewed. Topics, such as history, culture, literature and art are presented through means of media materials, teacher lectures and student projects. Students should expect to write extensively and to participate in class discussions in Japanese.

3350WL AP Japanese Language and Culture

Grade Level: 12 Credit: 1 Type: Elective

Prerequisite: Japanese 4

School: World Languages Center

This course is designed to prepare students for the College Board Advanced Placement examination in Language. Reading selections are contemporary in nature and may include short stories, poetry, and various articles. An in-depth study on grammar and vocabulary will be applied through discussions of readings and current events and frequent writing assignments. Cultural studies will be incorporated through authentic selections of print, films and music. Successful completion of this course and the AP examination may allow the student to receive college credits and/or advanced standing.

3515WL Mandarin 1

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective
 School: BHS, HHS, RBHS

In level 1, students will develop skills in reading, writing, listening and speaking. Students will learn pronunciation, vocabulary and grammatical structures through a variety of activities. The culture of the Chinese-speaking world is introduced through the geography, customs, and traditions of various countries. Students satisfactorily completing the Level 1 course may enroll in Level 2.

3520WL Mandarin 2

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: Mandarin 1
 School: BHS, HHS, RBHS

Chinese 2 reinforces and expands the listening, speaking, reading and writing skills learned in Chinese 1. Building vocabulary, improving pronunciation and practicing the correct usage of grammatical structures through a variety of activities will be the focus. There will be further study of the geography, customs, traditions and culture of the Chinese-speaking world. Students satisfactorily completing the Chinese 2 course may enroll in Chinese 3.

3530WL Mandarin 3

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: Mandarin 2
 School: RBHS

In level three, the skills from levels one and two are reinforced and advanced grammar topics and additional vocabulary will be learned. Students will develop stronger speaking and writing skills in order to express their original ideas. Listening exercises and reading selections will be used to strengthen comprehension skills. Upon the successful completion of this course, students will have developed basic communication skills in the language. Students satisfactorily completing the Level 3 course may enroll in Level 4.

3540WL Mandarin 4

Grade Level: 11,12 Credit: 1 Type: Elective
Prerequisite: Mandarin 3
 School: RBHS

This Chinese-intensive course is a study of the history, culture, literature, and art of China. Students are expected to have a mastery of Chinese 3 grammar concepts; however, more difficult grammar concepts will be reviewed. Topics are presented through means of media materials, teacher lectures and student research. Students should expect to write extensively and to participate in class discussions in Chinese, thereby enhancing their ability to speak the language.

3550WL AP Mandarin Language and Culture

Grade Level: 12 Credit: 1 Type: Elective
Prerequisite: Mandarin 4
 School: BHS, HHS, RBHS

This course is designed to prepare students for the College Board Advanced Placement examination in Language. Reading selections are contemporary in nature and may include short stories, poetry, and various articles. An in-depth study on grammar and vocabulary will be applied through discussions of readings and current events and frequent writing assignments. Cultural studies will be incorporated through authentic selections of print, films and music. Successful completion of this course and the AP examination may allow the student to receive college credits and/or advanced standing.

3415WL Latin 1

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective
 School: BHS, HHS, RBHS

The goal of the Latin sequence is the development of the ability to read Latin. Latin 1 begins 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. Students satisfactorily completing the Latin 1 course will enroll in Latin 2.

3420WL Latin 2

Grade Level: 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: Latin 1
 School: BHS, HHS, RBHS

In Latin 2, students continue their study of Latin grammar and vocabulary. More complex constructions necessary for reading Latin literature are introduced, culminating in the writings of actual Roman writers. In addition, the culture and history of ancient Rome and its influence on our own culture will be explored. Students satisfactorily completing the Latin 2 course will enroll in the next year's Latin 3/4 offering.

3440WL Latin 3/4: Prose (offered in 2019-2020)

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: Latin 2
 School: BHS, HHS, RBHS

This course completes the basic study of grammar. The students will read actual Roman writers with an emphasis on the writers of the Roman republic and the first Century of the Roman Empire. In addition, the culture and history of the period of corresponding to the writers being studied will be highlighted.

3430WL Latin 3/4: Poetry (offered in 2018-2019)

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: Latin 2
 School: BHS, HHS, RBHS

This course will focus on the Golden Age of Rome both in a literary and historical perspective. Students will read from the works of relevant authors, such as Catullus, Horace, Ovid, Vergil, Martial and others. Students will interpret and analyze the themes and ideas of these works. In addition, there will be an in-depth study of the history and culture of this period.

3450WL AP Latin Literature

Grade Level: 11, 12 Credit: 1 Type: Elective
Prerequisite: Latin Prose and Poetry
 School: BHS, HHS, RBHS

This course is designed to prepare students for the College Board Advanced Placement examination in Language. Reading selections may include short stories, poetry, and various articles and specifically, Vergil's *Aeneid* and Caesar's *Gallic Wars*. An in-depth study on grammar and vocabulary will be applied through discussions of readings and frequent writing assignments. Cultural studies will be incorporated through authentic selections of print, films and music. Successful completion of this course and the AP examination may allow the student to receive college credits and/or advanced standing.

3615WL Spanish 1**3615WLO Spanish 1 ONLINE**

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective
 School: BHS, HHS, RBHS, CPS Online

In Spanish 1, students will develop skills in reading, writing, listening and speaking. Students will learn pronunciation, vocabulary and grammatical structures through a variety of activities. The culture of the Spanish-speaking world is introduced through the geography, customs, and traditions of various countries. Students satisfactorily completing the Spanish 1 course may enroll in Spanish 2.

3620WL Spanish 2**3620WLO Spanish 2 ONLINE**

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective
Prerequisite: Spanish 1
 School: BHS, HHS, RBHS, CPS Online

Spanish 2 reinforces and expands the listening, speaking, reading and writing skills learned in Spanish 1. Building vocabulary, improving pronunciation and practicing the correct usage of grammatical structures through a variety of activities will be the focus. There will be further study of the geography, customs, traditions and culture of the Spanish-speaking world. Students satisfactorily completing the Spanish 2 course may enroll in Spanish 3.

3630WL Spanish 3**3630WLO Spanish 3 ONLINE**

Grade Level: 9, 10, 11, 12 Credit: 1 Type: Elective

Prerequisite: Spanish 2

School: BHS, HHS, RBHS, CPS Online

In Spanish 3, the skills from Spanish 1 and Spanish 2 are reinforced and advanced grammar topics and additional vocabulary will be learned. Students will develop stronger speaking and writing skills in order to express their original ideas. Listening exercises and reading selections will be used to strengthen comprehension skills. Upon the successful completion of this course, students will have developed basic communication skills in the language. Students satisfactorily completing the Spanish 3 course may enroll in Spanish 4.

3640WL Spanish 4

Grade Level: 10, 11, 12 Credit: 1 Type: 15

Prerequisite: Spanish 3

School: BHS, HHS, RBHS

The goal of this Spanish-intensive course is to be able to communicate ideas and thoughts on various topics using Spanish. Topics will be presented through multimedia materials, class discussions and student research. The history, culture, literature, art and current events of Spanish-speaking countries will be studied. Students should expect to read authentic materials; write extensively; participate daily in informal conversations; and give formal presentations all in Spanish. A level of mastery of most grammar concepts is expected; however, more difficult grammar concepts will be studied /reviewed throughout the year.

3650WL AP Spanish Language and Culture

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

Prerequisite: Spanish 4

School: BHS, HHS, RBHS

This course is designed to prepare students for the College Board Advanced Placement examination in Language. Reading selections are contemporary in nature and may include short stories, poetry, and various articles. An in-depth study on grammar and vocabulary will be applied through discussions of readings and current events and frequent writing assignments. Cultural studies will be incorporated through authentic selections of print, films and music. Successful completion of this course and the AP examination may allow the student to receive college credits and/or advanced standing