



2024–25 |

# High School Course Catalog & College/Career Planning Guide

C O L U M B I A P U B L I C S C H O O L S



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## Course Descriptions

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# Introduction

This High School Course Catalog and College/Career Planning Guide has been developed for students and families in the Columbia Public School District to present important information about programs and courses offered at the high school campuses. Students should be able to combine the information in the High School Course Planning Guide with advice received from teachers, counselors, and administrators in order to make decisions about courses that will provide students with the education they need for their future plans.

We encourage students to develop a four-year ICAP (Individual Career and Academic Plan) to guide them toward their post-graduation and career goals. It is important to select courses very carefully to fulfill that plan. Although this guide has fairly definitive explanations of each course approved for offering in CPS high schools, questions often arise about course content or graduation requirements. Please address those questions to the high school counselors. We look forward to supporting students as they pursue their post-secondary goals!

## VISION

To be the best school district in our state.

## MISSION

To provide an excellent education for all our students.

## VALUES

Trust, Integrity, Transparency, Collaboration, Empathy, Grace

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Columbia, MO 65202

[www.cpsk12.org/bhs](http://www.cpsk12.org/bhs)

**Spartans Counseling Department: 573-214-3322**



## FREDERICK DOUGLASS HIGH SCHOOL

Dr. Eryca Neville, Director of Alternative Education

310 N. Providence Road

Columbia, MO 65203

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## DAVID H. HICKMAN HIGH SCHOOL

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Columbia, MO 65203

[www.cpsk12.org/hhs](http://www.cpsk12.org/hhs)

**Kewpies Counseling Department: 573-214-3008**



## ROCK BRIDGE HIGH SCHOOL

Jacob Sirna, Principal

4303 S. Providence Road

Columbia, MO 65203

[www.cpsk12.org/rbhs](http://www.cpsk12.org/rbhs)

**Bruins Counseling Department: 573-214-3111**



## COLUMBIA AREA CAREER CENTER

Dr. Brandon Russell, Director

4203 S. Providence Road

Columbia, MO 65203

[www.career-center.org](http://www.career-center.org)

**Columbia Area Career Center: 573-214-3800**

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# Individual Career and Academic Plan (ICAP)

Name: \_\_\_\_\_ Expected Grad Date: \_\_\_\_\_ GPA: \_\_\_\_\_ Weighted GPA: \_\_\_\_\_

**Total Credits Needed: 24** (Additional credits are recommended for college)

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
1. English 9	1. English 10	1. English 11	1. English 12
2. Math	2. Math	2. Math	2. Math (Rec)
3. Government	3. World History	3. U.S. History	3.
4. Physics	4. Biology	4. Science	4.
5. Health/PE	5.	5. Personal Finance (1 sem)	5.
6. Advisory	6.	6. Advisory	6.
7.	7.	7.	7.
8.	8.	8.	8.

Summer Class: \_\_\_\_\_ Summer Class: \_\_\_\_\_ Summer Class: \_\_\_\_\_ Summer Class: \_\_\_\_\_

Requirements	Future Plans
<p><b>Eng/Lang Arts – 4</b> (9) _____ (10) _____ (11) _____ (12) _____</p> <p><b>Science – 3</b> (BIO) _____ (CHEM) _____ (3<sup>rd</sup>) _____</p> <p><b>Social Studies – 3</b> (GOV) _____ (WH) _____ (US) _____</p> <p><b>Math – 3</b> (Alg I) _____ (Geom) _____ (Alg II) _____ ( ) _____</p> <p><b>Fine Arts – 1</b> _____</p> <p><b>Prac Arts – .5</b> _____</p> <p><b>Health – .5</b> _____</p> <p><b>PE – 1</b> _____</p> <p><b>Personal Finance – .5</b> _____</p> <p><b>Electives – 7</b> _____, _____, _____, _____, _____, _____, _____</p>	<p><b>4-year College</b> _____</p> <p><b>2-year Transfer, then 4-year</b> _____</p> <p><b>2-year or Technical School</b> _____</p> <p><b>Military</b> _____</p> <p><b>Work</b> _____</p> <p><b>Career Path</b> _____</p> <p><b>College Choices</b> _____</p> <p><b>Career &amp; Tech Ed Certificate</b> _____</p> <p><b>NCAA/NAIA</b> _____</p>
<p><b>Activities:</b> _____</p> <p>_____</p> <p><b>Notes:</b> _____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p><b>Testing Information:</b></p> <p><b>ACT</b> _____</p> <p><b>SAT</b> _____</p> <p><b>ASVAB</b> _____</p>



# Post-Secondary Planning

## WHAT IS A CAREER PATH?

Go to this link [dese.mo.gov/college-career-readiness/career-education/career-clusters](https://dese.mo.gov/college-career-readiness/career-education/career-clusters) for helpful videos on different career pathways and clusters.

## INTEREST PROFILER

Trying to figure out what type of career you might enjoy? Take the Interest Profiler! Remember, this is not to determine what you **ARE** good at, but instead what you would **LIKE** to be good at.

Go to the **CPS Student Portal** and select the "**MO Connections**" app. You will be automatically logged in!

**Select:** ASSESSMENTS

**Select:** "+" in "WHAT ARE MY INTERESTS?"

**Take:** INTEREST PROFILER

You can also explore occupations in Missouri Connections through the different career clusters.



## FOUNDATION

### Knowledge & Skills

- Academic & Technical Skills
- Teamwork
- Career Development
- Information Technology
- Application
- Problem Solving
- Critical Thinking
- Employability
- Ethics
- Systems
- Safety Health & Environment
- Legal Responsibilities
- Communication

## Paths, Clusters & Pathways

### CAREER PATHS

Missouri has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way.

### CAREER CLUSTERS

Missouri uses 16 Career Clusters as a way of organizing occupations and careers to assist educators in tailoring rigorous coursework and related activities for all students. The Career Clusters include all occupations, even those not usually found in career and technical education. Career Clusters may be used beginning in grades 7, 8 or 9, and can continue as a framework for educational planning through postsecondary education.

### CAREER PATHWAYS

Occupations within a Career Cluster are further grouped according to shared commonalities such as skill sets or common roles. This grouping is called a Career Pathway. Each cluster contains two to seven Career Pathways. Career Pathways assist educators in the development of a coordinated and non-duplicative sequence of courses that identifies both secondary and postsecondary education elements; includes challenging academic and career and technical education content; and culminates in one or more of the following: technical skill proficiency, a credential, a certificate, or a degree at the secondary or postsecondary level.

### KNOWLEDGE & SKILL STATEMENTS

Knowledge and skill statements represent the skills and knowledge, both academic and technical, that all students should achieve for a given career area.

## CAREER PATH: HEALTH

### Health Services Cluster

#### Health Science Pathways

Biotechnology Research & Development  
Therapeutic Services  
Diagnostic Services  
Health Informatics  
Support Services

## CAREER PATH: BUILDING & FIXING

### Industrial & Engineering Technology Clusters

#### Manufacturing Pathways

Productions  
Quality Assurance  
Manufacturing Production  
Process Development  
Logistics & Inventory Control  
Maintenance, Installation & Repair  
Health, Safety & Environmental Assurance

#### Transportation, Distribution & Logistics Pathways

Transportation Operations  
Transportation Systems & Infrastructure  
Planning, Management & Regulation  
Logistics, Planning & Management Services  
Warehousing & Distribution Center Operations  
Facility & Mobile Equipment Maintenance  
Health, Safety & Environmental Management Sales & Services

#### Science, Technology, Engineering & Mathematics Pathways

Engineering & Technology  
Science & Mathematics

#### Architecture & Construction Pathways

Design & Pre-Construction  
Construction  
Maintenance & Operations

## CAREER PATH: HELPING

### Human Services Clusters

#### Human Services Pathways

Early Childhood Development & Services  
Counseling & Mental Health Services  
Family & Community Services  
Personal Care Services  
Consumer Services

#### Hospitality & Tourism Pathways

Restaurants & Food & Beverage Services  
Recreation, Amusement & Attractions  
Travel & Tourism  
Lodging

#### Government & Public Administration Pathways

Public Management & Administration  
Governance  
National Security  
Foreign Service  
Planning  
Revenue & Taxation  
Regulation

## Law, Public Safety, Corrections & Security Pathways

Correction Services  
Emergency & Fire Management Services  
Security & Protective Services  
Law Enforcement Services  
Legal Services  
Education & Training  
Administration & Administrative Support  
Professional Support Services  
Teaching & Training

## CAREER PATH: NATURE

### Natural Resources & Agriculture Cluster

#### Agriculture, Food & Natural Resources Pathways

Agribusiness Systems  
Animal Systems  
Food Products & Processing Systems  
Natural Resources  
Environmental Service Systems  
Power, Structural & Technical Systems  
Plant Systems

## CAREER PATH: BUSINESS

### Business, Management & Technology Clusters

#### Finance Pathways

Business Finance  
Banking Services  
Insurance  
Accounting  
Securities & Investments

#### Information Technology Pathways

Network Systems  
Programming & Software Development  
Information Support & Services  
Web & Digital Communications

#### Business Management & Administration Pathways

General Management  
Human Resources Management  
Business Information Management  
Operations Management  
Administrative Support

#### Marketing Pathways

Marketing Communications  
Marketing Management  
Marketing Research  
Professional Sales  
Merchandising

## CAREER PATH: CREATIVE

### Arts & Communications Cluster

#### Arts, A/V Technology & Communications Pathways

Audio & Video Technology & Film  
Printing Technology  
Visual Arts  
Performing Arts  
Journalism & Broadcasting  
Telecommunications

# Scheduling Basics

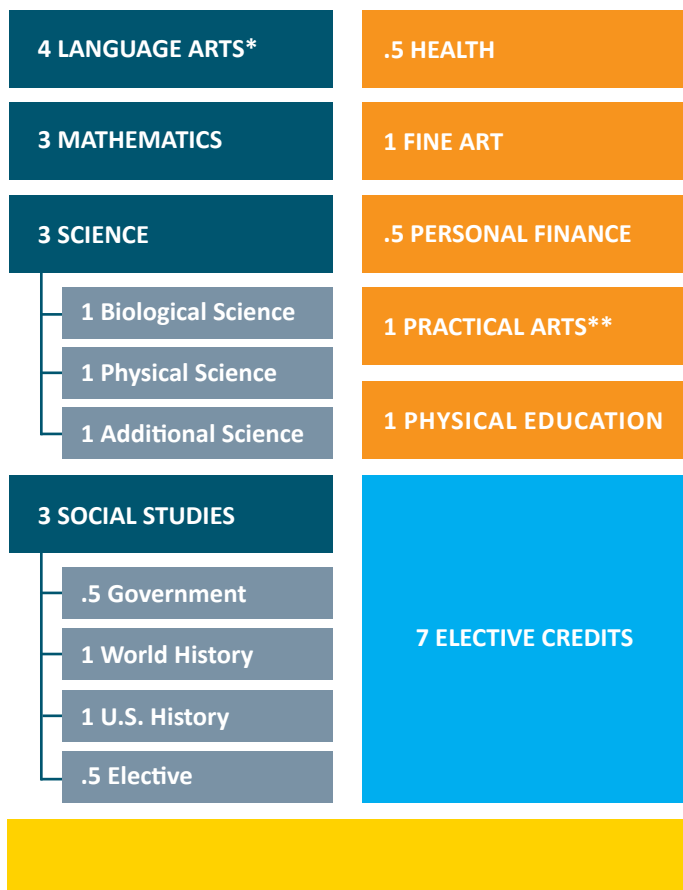
## 8-BLOCK SCHEDULE

The high school schedule is an alternating 8-block schedule where students have 4 classes per day, alternating days for a total of 8 separate periods over the course of two days. The alternating days are referred to as A and B days and students have courses organized into periods 1 through 4 on each of the days.

## 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 the following credits are eligible for graduation.

$$13 + 4 + 7 = 24$$



\* Colleges recommend most be English credit.

\*\* Personal Finance accounts for .5 of this requirement.

Each student must also pass all DESE required Missouri and United States Constitution exams.

- 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.
- Students 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 12 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. Students must earn a 60% or better in the course in order to receive high school credit.
2. In world languages, students 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 the 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.

## 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 post-secondary 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 an Early Graduation Request Form with student and guardian signatures. **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 a reduced schedule (part-time status) will include this as a part of their educational plan of study. Part-time requests should be submitted prior to the beginning of the semester for seniors and juniors who:

- are on track to graduate with their class.
- demonstrate good citizenship.
- have earned a GPA of 2.0 or higher.
- completed an application with signatures from the assistant principal, counselor, student and guardian.

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.**

## Weighted Grades

**Weighted grades will be applied to Advanced Placement, Early College, Dual Credit, Dual Enrollment and Honors courses.** Students taking honors and Level 3 World Language classes will be awarded an additional .5 point to the standard 4.0 grading scale. AP, Early College, Dual Credit, Dual Enrollment and Level 4 World Language courses will earn an additional 1.0 point to the standard 4.0 grading scale. The purpose is to recognize the challenge that students are embarking on by taking the highest-level courses. The classes below include CPS-only courses. Early College and Dual Enrollment college courses are not listed.

### CLASSES EARNING ADDITIONAL CREDIT

#### Classes Earning an Additional 1.0

Advanced Animal Science  
Advanced C++ Programming  
Advanced Horticulture  
Advanced Seminar & Investigations  
Advertising/Promotion  
Agricultural Business, Communications & Leadership  
AP Art History  
AP Biology  
AP Biology with Lab  
AP Calculus AB  
AP Calculus BC  
AP Chemistry  
AP Comparative Government/Politics  
AP Computer Science A  
AP Computer Science Principles  
AP English Language & Composition  
AP English Literature & Composition  
AP Environmental Science  
AP French Language & Culture  
AP Human Geography  
AP Music Theory  
AP Physics 1: Algebra-Based  
AP Physics 2  
AP Physics C: Mechanics  
AP Precalculus AB  
AP Precalculus BC  
AP Psychology  
AP Spanish Language and Culture  
AP Statistics  
AP Studio Art 1  
AP Studio Art 1: 3-D Design  
AP Studio Art 2  
AP Studio Art 2: 3-D Design  
AP US Government/Politics

AP US History  
AP World History  
C++ Programming  
CAD 1  
Child Development Associate Bridge  
Civil Engineer/Architecture 1 & 2  
College Algebra  
Computer Applications  
Digital Filmmaking Essentials  
Digital Media  
Digital Media Cloud Apps  
Digital Media Studio 1  
Digital Media Studio 2  
English 12: College Composition  
Entrepreneurship  
Foundations of Teaching/Instruction  
Financial Accounting  
Floral/Plant Design  
French 4  
German 4  
Gifted Internship  
Graphic Design & Visual Communication  
Greenhouse Production  
Information Technology 1  
Information Technology 2  
IT Essentials  
Japanese 4  
Landscape/Turf Management  
Latin 4  
Mandarin 4  
Marketing  
Natural Resources & Wildlife Conservation  
PLTW-Biomedical Innovation  
PLTW-Digital Electronics  
PLTW-Eng Design & Development  
PLTW-Engineering Essentials

PLTW-Human Body Systems  
PLTW-Intro to Engineer Design  
PLTW-Medical Interventions  
PLTW-Principles of Biomedical Science  
PLTW-Principles of Engineering  
PLTW-Robotics & CIM  
Professions in Healthcare  
Spanish 4  
Teaching Professions Internship  
Teaching Professions

#### Classes Earning an Additional .5

Algebra 2 H  
Anatomy/Physiology H  
Astronomy H  
Biology H  
Chemistry H  
Civics Studies H  
Debate 2/3 H  
English 9 H  
English 10 H  
French 3  
Geometry H  
German 3  
Government H  
Japanese 3  
Japanese 4  
Journalism: Editors Seminar H  
Latin 3  
Mandarin 3  
Music Theory H  
Physics 1 Honors  
Spanish 3  
World History Honors

# College Credit Opportunities

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

## ADVANCED PLACEMENT

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

## DUAL ENROLLMENT

Students may choose to enroll in 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 tuition and 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 (advanced standing) or Dual Credit opportunities are indicated in the course description.

## EARLY COLLEGE PROGRAM



Columbia  
PUBLIC SCHOOLS



MACC  
the college for you.

The CPS Early College Program is a partnership with MACC – Columbia and is open to all students entering their junior and senior years of high school who meet the qualification standards outlined below. Students who pursue this opportunity would attend the MACC – Columbia Campus for half of the school day, while the remainder of the day could be in CPS classes. **Transportation will be available for students.** Students engaged in Early College are still considered full-time CPS students and credits earned count toward academic eligibility requirements for MSHSAA athletics and activities.

- Students will earn approximately 12 college hours/semester of enrollment at MACC at **NO COST** to families.

- CPS will pay tuition, books, and fees for college classes each semester. **If a student makes a grade of D or F, the student may be responsible to repay the district the full cost of the course, including fees, and may lose eligibility in the program.**
- There are two sessions, so students can go either in the morning or in the afternoon. Virtual and online courses are also available.
- These college courses will concurrently satisfy high school graduation requirements AND be used toward a college degree.
- These courses will include CORE 42 courses that are transferable to any publicly funded 4-year college or university in Missouri.
- Students can make substantial progress toward earning an Associate's degree.

### Minimum Student Qualifications for Consideration:

- Cumulative GPA of 2.75 or higher
- 90% cumulative attendance
- **College Readiness Scores** – Students need qualifying ACT or Accuplacer scores that place them into college level classes at MACC
- Completion of the **MACC application** for enrollment
- Completion of **CPS Early College application**

Further information and important links can be found at [www.cpsk12.org/earlycollege](http://www.cpsk12.org/earlycollege)

### Early College Readiness Standards

To qualify for the Columbia Public Schools Early College Program, you must meet the below college readiness standards or multiple measure standards.

- **Placement Scores (Automatic Qualifiers)**  
ACT Scores: Math – 22, English – 18, Reading – 18  
Accuplacer Scores: Math – QAS 255, Writing – 250, Reading – 250  
**Note:** You can use either the ACT and/or Accuplacer scores to qualify. If you have not taken the ACT, you would need to take the Accuplacer.
- **Alternate Qualifying Options**  
Math Multiple Measure Alternative – (MMA): Potential Early College students who do not have the automatic qualifying test score for MTH 140, 142, 150, or 160 may enroll if certain conditions are met.
- **English Alternative Placement**  
Writing Appeal: Students may opt for a one-time writing appeal to demonstrate the writing (but not reading) skills necessary for LAL101 or equivalent. Writing appeals can be scheduled by any advisor. The appeal is a proctored writing assignment, with a topic selected from a predefined series of options. The assignment must be completed within a 60 minute period, and then saved to be electronically submitted for evaluation.

# 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. Guardians can assist by understanding a few of the general guidelines and rules for MSHSAA eligibility.

### For a student to maintain 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 at right.
  - Correspondence courses can count as part of the required credits if they are completed within the semester.
  - CPS Online courses count towards eligibility.
  - **College courses may count up to 1.0 credits per semester as follows:**
    - .5 credit for a 2-hour college class
    - .5 credit for a 3-hour college class
    - 1 credit for a 5-hour college class
- Please see your counselor or the athletic director if this applies to you.**
- Summer school classes may count up to 1 credit towards eligibility for fall participation if the class is required for LOCAL graduation and the class is not an elective or correspondence course.

## NCAA AND NAIA INFORMATION

High school athletes who are considering playing college sports need to follow instructions on the NCAA Eligibility Center ([web3.ncaa.org/ecwr3](http://web3.ncaa.org/ecwr3)) and/or NAIA Eligibility Center ([play.mynaia.org](http://play.mynaia.org)) websites. Meeting graduation requirements does not necessarily qualify a student for college athletics eligibility. It is the guardian’s and student’s responsibility to be aware of and to follow the requirements of the NCAA and NAIA.

	For Fall Semester Participation, student must:	For Winter Semester Participation, student must:
12th	Have earned 3.25 credits in the spring semester of 11th grade year  Be enrolled in 3.25 credit-earning classes	Have earned 3.25 credits in the fall semester of 12th grade year  Be enrolled in 3.25 credit-earning classes
11th	Have earned 3.25 credits (3.0 at RBHS) in the spring semester of 10th grade year  Be enrolled in 3.25 credit-earning classes	Have earned 3.25 credits in the fall semester of 11th grade year  Be enrolled in 3.25 credit-earning classes
10th	Have earned 3.0 credits in the spring semester of 9th grade year  Be enrolled in 3.25 credit-earning classes (3.0 and Study Hall/AUT at RBHS)	Have earned 3.25 credits (3.0 at RBHS) in the fall semester of 10th grade year  Be enrolled in 3.25 credit-earning classes (3.0 and Study Hall/AUT at RBHS)
9th	Promotion from 8th grade  Be enrolled in 3.0 credit-earning classes and advisory	Have earned 3.0 credits in the fall semester of 9th grade year  Be enrolled in 3.0 credit-earning classes and advisory

**Please note: CPS offers no .25 credit courses**

**If you have any questions, please contact your high school athletic director. To contact MSHSAA, call 875-4880.**

# A+ School Scholarship Program

All Columbia High Schools are 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 education, 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. Attend a designated A+ high school for two years prior to high school graduation. (Must complete this application no later than Nov. 1 of the senior year.)
2. Graduate from high school with an unweighted grade point average of 2.5 or higher on a 4.0 scale.
3. Have at least a 95% attendance record.
4. Perform and document 50 hours of unpaid tutoring or mentoring coordinated by the A+ Coordinator (up to 12.5 hours can include job shadowing experiences).
5. Maintain a record of good citizenship, avoid the unlawful use of drugs and alcohol, and not incur a disproportionate number of out-of-school consequences (such as Out of School Suspension, ACE placement, etc.).
6. Earn a score of Proficient or higher on the Algebra 1 End of Course Assessment or other DESE approved math exam. Or, you may establish eligibility by achieving a combined ACT math sub-score and high school GPA.

CT MATH SCORE	
17	2.5 or greater
16	2.8 or greater
15	3.0 or greater

The A+ Schools Program’s student financial incentive will be available for up to 2 years of full-time attendance during the 4-year period after graduation from high school.

**To access the funds, participants must:**

- Submit a Free Application for Financial Student Aid (FAFSA) form during senior year.
- Attend a Missouri public community college or career/technical school on a full-time basis.
- Maintain a grade point average of 2.5 or higher on a 4.0 scale.
- Be a U.S. citizen or legal permanent resident.

**See your high school A+ or counseling office for more information.**

## Additional Scheduling Information

### 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 a C- or lower in a course wishing to improve their grade will be allowed to do so with department chair approval. The grade received for the repeated course, if higher, will cancel the first grade and will be used in computing the student's cumulative grade point average.

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

Schedules are developed based on course requests submitted in the spring semester. Due to the complex nature of the master schedule, students may not receive all of their first-choice class requests. We encourage students to thoughtfully select Alternate Course Options and clearly identify those on their course requests forms. **Schools cannot honor requests for specific teachers, lunch shifts or courses during a specific block.** Also, we cannot guarantee that you will get semester classes during the semester you request.

We hire and assign staff to teach courses based on students’ initial requests. 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 may not be possible as changes can result in imbalances and weaker educational experiences.**

### COURSE WITHDRAWAL

- Students may withdraw from a course up to one week following the first Interim Progress Report of each semester without the course appearing on the transcript. Students will be placed in study hall or part-time.
- Student-initiated course level changes (ex. changing from AP to honors) will not occur until after the first IPR and no later than November 1. Students will follow the school process form available in the counseling office. Students withdrawing from a course after the deadline will be assigned to either a study hall 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 into the GPA.
- Guardian permission must be obtained before a student may request to withdraw from any course.

## INDEPENDENT STUDY

Independent study **may** be available for a student who has a special interest, motivation or ability and has the commitment to complete course work independently. It is the student's responsibility to find a certified teacher willing to offer a course independently. The building principal and department chair must approve all requests. All independent study courses will earn .5 credit per semester and will receive a P/F grade. Forms for independent study requests may be accessed in the counseling office or through the CACC if the independent study will be in a CACC course.

## Honors and Awards

### MISSOURI SEAL OF BILITERACY

#### 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 socio-cultural 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 an **unweighted** GPA of 3.50 or higher after 7 semesters and who 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 after seven semesters using the **unweighted** GPA.

The criteria for each of these awards is reviewed and revised annually by the issuing organization. Specific criteria for each school year are made available each spring.

#### The following honors are recognized at commencement using the unweighted GPA:

- 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 **unweighted** 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 **unweighted** 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 of **full-time enrollment (six of eight blocks each year)** who also meet the following minimum requirements using an **unweighted** cumulative GPA.

- The student must earn a MINIMUM of five (5) credits in honors, dual enrollment or advanced placement courses using the standard grading policy (A, B, C, D, F).
- The student must score above the prior year's national average on the ACT or SAT.
- 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.
- **Unweighted** 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.

## CPS Online Classes

Columbia Public Schools offers students the opportunity to take one or more of their classes online. These online courses are designed for students who are self-motivated and can work independently. In an online course, students take the entire course online as opposed to a face-to-face classroom environment. Courses are not taught using Zoom; rather they are self-paced.

#### More about CPS Online courses:

- Grades 6-12 courses are asynchronous (i.e students work at their own pace).
- All content is online.
- Students will access online courses through Schoology or Edgenuity

depending upon the course.

- Students can work on courses at school or offsite.
- Courses follow the same semester calendar as face-to-face courses.
- CPS Online teachers are certified CPS teachers, most of whom teach the same content in an in-seat classroom.
- Course content “parallels” the curriculum used in CPS classrooms.
- Students remain in contact with their CPS counselor and regular CPS school building.
- Each course will have a Zoom orientation at the beginning of the semester to help students get started.
- Students are expected to check their CPS-issued email regularly for communications from their CPS Online teacher.

**More info can be found at [cpsk12.org/cpsonline](https://cpsk12.org/cpsonline).**

## HOW DO CPS ONLINE COURSES WORK?

Individual online classes are NOT requestable in Infinite Campus. Enter ONLP1 (first semester) and/or ONLP2 (second semester) in Infinite Campus and write the name of the preferred course **ON YOUR COURSE REQUEST FORM**.

- CPS Online courses are taught by CPS instructors.
- There is no cost to students taking CPS Online courses and the hours cannot 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.

All CPS Online courses are listed in this guide or you can use the online course database ([www.cpsk12.org/Page/16361](https://www.cpsk12.org/Page/16361)). All online course numbers end in “O”. For example, in-seat Biology has a course number of 6610BS. CPS Online Biology has a course number of 6610BSO.

# Missouri Course Access Program (MOCAP)

Columbia Public Schools makes every attempt to meet the curricular needs of all students by offering a wide range of course offerings and opportunities, both face-to-face and online. In cases where student need is not being met by these course offerings, the recently passed Senate Bill 603 (referred to as “MOCAP”) attempts to address this gap. MOCAP was passed with the intent of:

- Expanding the range of courses and opportunities offered to students.
- Offering courses for students when there are no qualified teachers to teach the course.
- Allowing students to take a course not offered at the local school district.

### In brief, MO Senate Bill 603 states that:

*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 and Virtual School 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 in order to enroll in Missouri Course Access and Virtual School Program courses.*

If you feel that your child might benefit from this program, enrollment takes place the same time enrollment takes place for other CPS courses. Students should enroll in MOCAP courses the same way they enroll for regular CPS courses, i.e. with their counselors. Here is what you need to do:

1. Check that it is not too late to apply: The deadline for adding a MOCAP course(s) to a student’s schedule is the same as for adding a face-to-face course(s), which is the sixth day after the start of the semester.
2. Contact the CPS MOCAP Coordinator at [CPSMOCAP@cpsk12.org](mailto:CPSMOCAP@cpsk12.org) for details on the application process.

Any request to take a MOCAP course that is denied by Columbia Public Schools can be appealed. Information about the appeals process will be sent to parents along with notification of the denial. For more information about the appeals process please contact the Director of Curriculum & Instruction, **573-214-3932**.

# Agriculture Courses



# Agriculture (AG)

## 9001PA Introduction to Agriculture

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

Exploring Agricultural Science introduces you to agricultural opportunities through exploring careers and postsecondary options. The course involves many hands-on activities related to communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. Students may also start the development of a Supervised Agricultural Experience. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

## 9003PA Intro to Plant Science and Greenhouse

**Grade Level:** 10, 11 **Credit:** 1 **Type:** Practical Art  
**School:** BHS, CACC, HHS  
**Suggested prerequisite:** Introduction to Agriculture

Do you like plants and flowers? If so, this course will give you an overview of horticulture. Horticulture includes the growing, designing and selling of ornamental plants. Learn about the four significant areas of horticulture: floral design, landscaping, greenhouse plant production and fruit or vegetable gardening. You will learn the principles of plant science, soil science and pest identification. You 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. You will also plan and start a vegetable garden. Students should be free from plant allergies. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

**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

You will learn to make floral arrangements in various design styles, fresh and artificial holiday designs, vase designs for Valentine's Day, corsages and boutonnieres for prom and simple designs throughout the year. You will learn basic business practices throughout each unit culminating in plant sales for major holidays. You will plan, prepare and run the sales. Students should be free from plant allergies since work will be done with various plant materials when designing. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

**Related:** Introduction to Agriculture, Intro to Plant Science and Greenhouse, Greenhouse Production  
**College Dual Credit:** May be available

## 9008PA Advanced Horticulture

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

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in one of the following: Floral and Plant Design, Greenhouse Production or Landscaping and Turf Management

Advanced Horticulture is for you if you have a green thumb and love working in the great outdoors! The horticulture industry is the fastest-growing sector in the agriculture industry. Pick your passion and 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 most significant potential. Every student will have an opportunity to advance personal and professional skills through participation 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, maintenance and turf management. Learn how to plant and care for landscaping plants, plant lawn grasses, lay sod and care for a lawn. You will gain entry-level Computer Aided Design skills and install landscape plants in various settings. Students should be free from plant allergies since work will be done with various plant materials when designing. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

**Related:** Introduction to Agriculture, Intro to Plant Science and Greenhouse, Natural Resources and Wildlife Conservation  
**College Dual Credit:** May be available

## 9018PA Greenhouse Production

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

You will grow and care for various plants in the greenhouse setting, including succulents, tropicals, foliage plants, edibles, annuals, and perennials. Maintain parts of a greenhouse, explore how they work and perform general maintenance. This course includes plant identification, care, maintenance, processes, environmental controls, propagation, sales and marketing. The course will also cover aquaculture and hydroponics. This course is an excellent opportunity to take many plants home! Every student will have a chance to enhance ARC and MIG skills to advance personal and professional skills through participation in FFA.

**Related:** Introduction to Agriculture, Intro to Plant Science and Greenhouse, Natural Resources and Wildlife Conservation  
**College Dual Credit:** May be available

## 9021PA Natural Resources and Wildlife Conservation

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



This course will provide you with various experiences in natural resources and ecology, including land use, water quality, stewardship, flora and fauna, and environmental agencies. You will select an ecosystem to study throughout the course and apply the principles of natural resources and ecology from each unit of study to that ecosystem. The ecosystem study will include biomes, land, air, water, energy, and the use and care, focusing on human interaction with Earth. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

**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 four-cycle engines and some exploration of two-cycle machines, you'll have a year of instruction to design and repair the small engine equipment found in most homes and businesses across the country. Students will learn troubleshooting techniques and how to quote engine repairs. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

**Related:** Introduction to Agriculture, 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

Develop skills essential to the fabrication workplace, including shop safety, wood and metal-working tool operation, blueprint reading, and project plan development. The course provides specific training in ARC, MIG, and oxy-acetylene welding as well as oxy-acetylene cutting. Other units include electrical circuits, basic plumbing and project construction. Safety is a top priority so clothing and shoes used in the industry are required. CACC will provide welding helmets, gloves and safety glasses. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

**Related:** Introduction to Agriculture and Small Engine Technology

### 9042PA Advanced Welding and Project Fabrication

**Grade Level:** 11, 12 **Credits:** 2 **Type:** Practical Art  
**School:** CACC  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Agricultural Mechanics and Welding Technology

Advanced Welding and Project Fabrication allows you to enhance ARC and MIG welding skills further while designing and constructing major metal projects, such as trailers. The fabrication part of the course will start with group projects to familiarize you with the real-world setting. You will design and draw plans before the construction of projects begins. Safety

is a top priority so clothing and shoes used in the industry are required. CACC will provide welding helmets, gloves and safety glasses. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

**Related:** Computer Aided Design, Certified Welding

### 9060PA Animal and Veterinary Science

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

With a focus on farm (production or food animals) and companion animals' care and production, this course also explores careers related to the care and breeding of domesticated animals: veterinarian, farm manager, livestock buyer, horse trainer and more. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

**Related:** Introduction to Agriculture, Natural Resources and Wildlife Conservation

### 9062PA Advanced Animal Science

**Grade Level:** 11, 12 **Credits:** 2 **Type:** Practical Art or 1 Practical Art and 1 Science (This class can count towards your third science credit.)  
**School:** CACC  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Animal and Veterinary Science

With a foundation in Animal and Veterinary Science, you will study animal care and health, parturition, livestock management, judging, fitting and 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. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

**College Dual 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 public speaking skills, sales, communications, finance, advertising and entrepreneurship for students interested in pursuing careers or postsecondary education in agriculture. You will address basic economic concepts and issues which impact the US food and fiber industry. Every student will have an opportunity to advance personal and professional skills through participation in FFA.

**Related:** Any agriculture course  
**College Dual Credit:** May be available

# Business, Marketing & Computer Science Courses



Unit Price	Revenue
1,000.00	890
5,540.00	454
34,344.00	454
43,232.00	34
657,465.00	878

Unit Price	Revenue	Sales Volume	Rev. Share	Rev. Growth			
2,178	890	8	120,020.00	9%	1.03E+00	342	67%
1,000.00	654	8	44,545.00	34%	5.6E+01	3,434	55%
5,540.00	454	8	4,324.00	4%	4.5E+01	243	65%
34,344.00	454	8	65,464.00	3%	4.2E+01	33,332	87%
43,232.00	34	8	43,444.00	34%	3.43E+02	822	5600%
657,465.00	878	8	4,545.00	55%	1.23E+00	12	45%
2,178	890	8	120,020.00	9%	5.6E+01	343	67%
1,000.00	654	8	44,545.00	34%			

# Business, Marketing & Computer Science

## 7105PA Keyboarding (BUS)

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Practical Art  
**School:** BHS, HHS, RBHS, DHS

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 (BUS)

**Grade Level:** 9, 10 **Credit:** .5 **Type:** Practical Art  
**School:** BHS, HHS, RBHS, DHS

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 resume, cover letter and business action plan incorporating entrepreneurial thinking, innovation and other 21st century skills.

## 7210PA Computer Applications (BUS)

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Practical Art  
**School:** BHS, DHS, HHS, RBHS

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

**College Dual Credit:** May be available for eligible students

## 7220PA Financial Accounting (BUS)

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

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 who plan to major in any field of business in college will benefit from taking this course. Students will learn to plan, summarize, analyze, and interpret financial information. This course will also prepare students for employment, assist them in keeping personal records, and form a basis for future experiences in finance.

**College Dual Credit:** May be available for eligible students

## 7240PF Personal Finance (BUS) 7240PFO (Online) Personal Finance (BUS)

**Grade Level:** 11, 12 **Credit:** .5 **Type:** Practical Art  
**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.

**College Dual Credit:** May be available for eligible students  
**Note:** This is a graduation requirement

## 7260PA Law & Order (BUS)

**Grade Level:** 10, 11, 12 **Credit:** .5 **Type:** Practical Art  
**School:** BHS, HHS, RBHS

This course focuses on the creation and application of laws in various areas of society. Whether it's juvenile, traffic, criminal, family or business law, 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 our nation.

## 9301PA Marketing (MKT)

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

Marketing is a writing-intensive, project-based class that introduces you to the exciting marketing industry. According to the US Department of Labor, job growth in Advertising, Promotions and Marketing is projected to grow 10 percent over the next ten years. You will learn principles, skills and attitudes essential to marketing by working with a comprehensive set of concepts and problems applicable to today's industries. This class focuses on the fundamentals of marketing, advertising, communication, economics, product development, sales promotion, packaging and distribution. Marketing is a must for anyone thinking about a business-based career. Every student will have an opportunity to advance personal and professional skills through participation in DECA.

**Related:** Digital Media, Broadcast TV  
**College Dual Credit:** May be available  
**Enrollment Note:** Course enrollment will begin with the 9th, followed by the 10th and 11th grades.

## 9304PA Sports and Entertainment Marketing (MKT)

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Practical Art  
**School:** BHS, CACC, HHS  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Marketing or Entrepreneurship

Look behind the multibillion-dollar sports and entertainment industries' scenes and learn about the business side of marketing. Examine athletic endorsements, event sponsorships, product development, licensing, sales, promotion, event planning and career exploration. Every student will have an opportunity to advance personal and professional skills through participation in DECA.

**Related:** Digital Media, Broadcast TV

**9305PA Advertising and Promotion (MKT)**

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Practical Art  
**School:** CACC, HHS  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Marketing or Entrepreneurship

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 promotional channels, including advertising (TV, print, radio, outdoor, and social media), sales promotion, public relations and publicity. Every student will have an opportunity to advance personal and professional skills through participation in DECA.

**Related:** Digital Media, Broadcast TV  
**College Dual Credit:** May be available

**9307PA Entrepreneurship (BUS)**

**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. This class is a must for business and marketing students. Learn about entrepreneurship, leadership, management, marketing and finance. Every student will have an opportunity to advance personal and professional skills through participation in DECA.

**Related:** Marketing, Accounting, Digital Media, Broadcast TV  
**College Dual Credit:** May be available

**9320PA Social Media Marketing (MKT)**

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Practical Art  
**School:** BHS, CACC, HHS  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Marketing or Entrepreneurship

Study the rise of social media and learn to integrate it into overall marketing strategies. The course will also investigate how to measure online success and explore the purpose of different social media platforms. You will manage an online presence for an organization, understand techniques, gain consumer buy-in and properly select media to engage customers and monitor the results. Every student will have an opportunity to advance personal and professional skills through participation in DECA.

**Related:** Marketing, Digital Media, Broadcast TV  
**Enrollment Note:** Course enrollment will begin with the 12th, followed by the 11th and 10th grades, respectively.

**9125PAO (Online) Digital Media Cloud Apps 1 (BUS)**

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

This online course will use cloud-based image, audio, video and animation apps to produce digital media. Learn to

increase productivity with educational apps and become a better digital citizen. Students may complete the content as a 1 or .5-credit course (first and/or second semester). Every student can advance personal and professional skills through participation in FBLA.

**Related:** Digital Media, Computer Applications  
**College Dual Credit:** May be available

**9126PAO (Online) Digital Media Cloud Apps 2 (BUS)**

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Practical Art  
**School:** CPS Online  
**Prerequisite:** C or better average in Digital Media Cloud Apps 1

This online course teaches students to increase productivity and become better digital citizens as they continue using cloud-based image, audio, video, and animation apps. Students will create career documents (resume and career presentation), a marketing strategy, spreadsheets, and a website. Students will prepare for an interview and use Adobe Express to create videos and posters. Every student will have an opportunity to advance personal and professional skills through participation in FBLA.

**Related:** Digital Media, Computer Applications  
**College Dual Credit:** May be available

**9130PA Digital Media (BUS)**

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

An introduction to graphic design, filmmaking, web design and more! Use professional Adobe apps like Photoshop, Illustrator, InDesign, Premiere, and Dreamweaver to create digital collages, logos, music videos, multipage publications, and webpages. Where art, marketing and computer science intersect is where STEAM begins (STEM + Arts and Communication). Every student will have an opportunity to advance personal and professional skills through participation in FBLA.

**Related:** Computer Applications, Digital Media Cloud Apps, 3D Modeling and Animation, Marketing  
**College Dual Credit:** May be available

**9132PA Digital Media Studio 1 (BUS)**

**Grade Level:** 11, 12 **Credits:** 2 **Type:** 1 Practical Art  
**School:** CACC  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Digital Media

Designed for creative, self-directed students with a postsecondary and career interest in visual communications and commercial art. This course provides you with an opportunity and freedom to choose your own digital media storyline to focus on graphic design, filmmaking, or web design. You will develop independent passion projects and collaborate on environmental design events. Upon completing the course, you will have acquired an advanced-level portfolio that can be used for college applications or work in the

industry. Additionally, participate in a variety of work-based learning experiences including field trips and community projects and earn professional Adobe Associate Certifications. Every student will have an opportunity to advance personal and professional skills through participation in FBLA or SkillsUSA.

**College Dual Credit:** May be available

### 9133PA Digital Media Studio 2 (BUS)

**Grade Level:** 12 **Credit:** 2 **Type:** Practical Art

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Digital Media Studio 1

This capstone course will help build and push advanced digital design skills learned in Digital Media Studio 1. You will also be a creative director on significant projects throughout the year and lead the class in branding consistency, executive functioning, and time management. Additionally, participate in a variety of work-based learning experiences including field trips and community projects and earn professional Adobe Associate Certifications. Every student will have an opportunity to advance personal and professional skills through participation in FBLA or SkillsUSA.

**College Dual Credit:** May be available

### 9134PA Graphic Design (BUS)

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

**School:** BHS, HHS, CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Digital Media

Incorporate typography & design principles into visual communications—design logos, posters, catalog covers, magazine spreads, and business identity sets. Use InDesign for page layout, master advanced Photoshop techniques, and create complex vector images using Illustrator. This course helps prepare students to earn professional Adobe Certified Professional Certification in Visual Design. Every student will have an opportunity to advance personal and professional skills through participation in FBLA.

**Related:** Art 1: Foundations, Computer Applications, Marketing

**College Dual Credit:** May be available

### 9138PA Digital Filmmaking Essentials (BUS)

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

**School:** BHS, CACC, HHS

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Digital Media

Plan and produce narrative and documentary films. Render the visual effects in a movie trailer. Use Premiere Pro and After Effects to create movie trailers, animated logos, short films and more. This course helps prepare students to earn professional Adobe Certified Associate Certification in Video Design. Every student will have an opportunity to advance personal and professional skills through participation in FBLA or SkillsUSA.

**Related:** Graphic Design, Music and Film Analysis

**College Dual Credit:** May be available

### 9140PA Web Design

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

**School:** BHS, CACC, HHS

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Digital Media

Learn front-end coding and design using Adobe XD and Dreamweaver as well as several coding languages: HTML, CSS, JavaScript, jQuery, and Seql. In addition to building a functional website, students will learn how to create logos and graphics, produce videos, and write code in Wordpress. This course helps prepare students to earn the Adobe Certified Professional Certification in Web Design. Every student will have an opportunity to advance personal and professional skills through participation in FBLA.

**Related:** Graphic Design, AP Comp Sci Principles

**College Dual Credit:** May be available

### 9145PA Broadcast TV 1 (TI)

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

**School:** BHS, CACC, HHS

In an introduction to broadcast journalism, TV news and video production, students will use current technology as they learn to produce a news show, including story development, scriptwriting, videography, anchoring and editing. Eventually, students will report for the school news show, CPS 360 and learn to create industry-standard video projects such as music videos, commercials and public service announcements. Leave this course with the skills to attend journalism school or entry-level work in the industry. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

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

**Enrollment Note:** Course enrollment will begin with the 9th, followed by the 10th, 11th grades respectively.

### 9146PA Broadcast TV 2 (TI)

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

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Broadcast TV 1

Students will take full ownership of the CPS 360 news show. Producing, writing, editing, directing and anchoring are a large part of this course. Notable projects include video franchise, radio show, live shots, live talk show hosting and interviewing. Students will serve as production crew members in collaboration with KMIZ, including play-by-play announcing and camera operating. This class is deadline-oriented and requires dedication to working as part of a news team. Filming sports features and other school highlights in the evenings and weekends are a requirement. Students will have the opportunity to attend the National Student Television Network

Convention to compete against other high school news teams. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

### 9147PA Broadcast TV 3 (TI)

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

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Broadcast TV 2

Every student will lead as a producer or special projects producer, generating a personalized live show with guests, feature reporting and sports events. Students 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. Students will have the opportunity to attend the National Student Television Network Convention to compete against other high schools. Every student will have a chance to advance personal and professional skills through participation in SkillsUSA.

### 9148PA Broadcast TV Internship (TI)

**Grade Level:** 12 **Credit:** 1 **Type:** Practical Art

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Broadcast TV 2 or 3, Instructor-approved work site; strong attendance record.

This course is an excellent opportunity to get your foot in the door at a local news organization (KOMU, KMIZ, KRCG, etc.). You'll report and communicate with the Broadcast TV instructor for schedule and assignment updates but will spend most of your time (four hours per week) at a local news organization. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

### 9674PA AP Computer Science Principles (BUS)

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Practical Art or this class can count toward your third math or science credit

**School:** BHS, CACC, HHS

AP Computer Science Principles introduces students to the central ideas of computer science. You 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. You are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions. You 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 on their community, society and the world. The course is equivalent to a first-semester introductory college computer science course. After completion of the course, students may elect to take the College Board Advanced Placement Exam to potentially earn college credit. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Recommended:** 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 know how to use a Cartesian  $(x,y)$  coordinate system to represent a plane's points.

**College Dual Credit:** May be available

### 9161PA C++ Programming (BUS)

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Practical Art or this class can count toward your third math or science credit

**School:** CACC, HHS

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Geometry

Have you ever heard of Photoshop, Google or OSX? They have one thing in common—they are all built in the C++ programming language. As one of the most popular programming languages, C++ is for both scientific and business applications. This college-level class introduces you to algorithms and programming to design and implement various computer-based solutions. Each class involves applying fundamental concepts in the first semester, followed by more interactive programs by the end of the year. To be successful, students should expect to work outside of class time. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Recommended:** Ability to logically create algebraic equations and expressions

**College Dual Credit:** May be available

### 9162PA Advanced C++ Programming (BUS)

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Practical Art or this class can count toward your third math or science credit

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in C++ Programming or AP Computer Science A

Once you've completed C++ or AP Computer Science A, you're ready to step up your skillset and develop a deeper understanding of the C++ language and learn advanced techniques. You'll create, select and implement algorithms and data structures to produce more complex programs. Focusing on teamwork and abstract thinking allows you to cover more significant projects in less time. You will develop real-world simulators such as an ATM and an elevator. Teams will work on system design, such as desktop application software. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**College Dual Credit:** May be available

### 9163PA Advanced Programming Projects and App Development (BUS)

**Grade Level:** 12 **Credit:** 1 **Type:** Practical Art or this class can count toward your third math or science credit

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Advanced C++ Programming

Computer science is not a spectator sport! If you're a motivated student, you'll learn much more from hands-on problems and design advanced algorithms and code programs. Not only will you work in teams to design and develop, but you will also need to present to audiences of various technical skill levels. Projects will include a divergent section of developing web-based applications, mobile device applications, simulators and desktop applications. While the primary language is C++, the course will also explore new languages. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

### 9165PA AP Computer Science A (BUS) 9165PAO (Online) AP Computer Science A (BUS)

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Practical Art or this class can count toward your third math or science credit  
**School:** BHS, CACC, HHS, CPS Online  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Algebra 2

Are you 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 A 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. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Recommended:** Experience in problem solving and algebra; course builds upon mathematical and spatial reasoning skills that are typically taught in precalculus and other upper-level coursework.

**Related:** C++ Programming, AP Computer Science Principles  
**College Dual Credit:** May be available

### 9800PA IT Essentials (TI)

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Practical Art or this class can count toward your third math or science credit  
**School:** CACC

The computer use explosion has created a high demand for computer support professionals to provide users with technical assistance, support, and advice. Take advantage of this tremendous opportunity and get in-depth exposure to computer hardware and operating systems. You will 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. Upon passing, students will also receive the Cisco Student Certification. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Related:** Keyboarding skills  
**College Dual Credit:** May be available

**Articulated College Credit:** May be available  
**Enrollment Note:** Course enrollment will begin with the 9th, followed by the 10th, 11th and 12th grades, respectively.

### 9811PA Information Technology 1 (TI)

**Grade Level:** 10, 11, 12 **Credits:** 2 **Type:** Practical Art or this class can count toward your third math or science credit  
**School:** CACC  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in IT Essentials

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 mapping, cable installation and basic LAN equipment setup. Since a solid education and specific certifications are the best way to progress in an IT career, students will receive the Cisco Student Certification upon passing. What a great starting point for a successful career in IT! Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**College Dual Credit:** May be available

### 9812PA Information Technology 2 (TI)

**Grade Level:** 11, 12 **Credits:** 2 **Type:** Practical Art or this class can count toward your third math or science credit  
**School:** CACC  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Information Technology 1

Step IT up! You're ready to move from Networking Fundamentals to Enterprise Networking/Security and Automation. Using the top-down approach to networking, you'll master the concepts and skills required to design and troubleshoot networks. You will have plenty of opportunities for applying your networking knowledge to real equipment. Classroom activities will focus on the LAN (local area network) and will give you necessary skills to be qualified as a network technician or a network administrator. Areas of study include LAN switching, VLANs, wireless, ACLs and NAT. Upon passing, students will receive the Cisco Student Certification. This course also prepares students for the professional Cisco Certified Network Associate certification. The CCNA validates your ability to install, configure, operate, and troubleshoot small-sized routed and switched networks. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Related:** PLTW Digital Electronics, C++ Programming  
**College Dual Credit:** May be available

### 9818PA Advanced IT Projects (TI)

**Grade Level:** 12 **Credits:** 2 **Type:** Practical Art

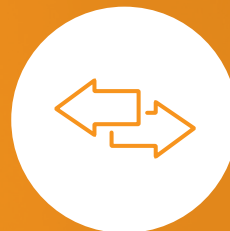
**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Information Technology 2 AND instructor permission

Obtain hands-on experience as a computer technician! You will apply your skills in a work environment and learn the trade tricks while working alongside the instructor and a professional computer technician. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.



## Dual Enrollment, Electives & Gifted Courses



## Dual Enrollment (EL)

### 1500NC Dual Enrollment – MU

### 1510NC Dual Enrollment – Columbia College

### 1520NC Dual Enrollment – Stephens

### 1530NC Dual Enrollment – Moberly

**Grade Level:** 11, 12 **Credit:** .5, 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 1 to 3-hour course will earn 1/2 high school credit. Courses that are 4 hours or more will earn 1 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 (EL) and Gifted (EEE)

### 0120NC1 Study Hall (ADMIN)

### 0120NC2 Study Hall (ADMIN)

**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 + (EEE)

**Grade Level:** 9 **Credit:** 0 **Type:** None  
**School:** BHS, HHS, RBHS

Advisory + provides students in Columbia Public Schools' Extended Educational Experiences (EEE) 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 class that will serve two purposes: to help students transition to high school smoothly and to provide dedicated study time.

### 1350EL Gifted Resource (EEE)

**Grade Level:** 10, 11, 12 **Credit:** 0 **Type:** None  
**School:** BHS, HHS

EEE Resource provides students in Columbia Public Schools' gifted education program the opportunity to work alongside gifted peers and be guided by the gifted facilitator that may include test preparation help, college planning, support in online classes, and executive function development. These experiences provide opportunities to be guided by the gifted facilitator and are student-directed.

### 1360EL Advanced Seminars and Investigations (EEE)

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 or 1 **Type:** Elective  
**School:** BHS, HHS, RBHS

Advanced Seminars and Investigations (ASI) provides gifted students in Columbia Public Schools' gifted education program the opportunity to learn through direct instruction, Socratic seminars, project-based learning, creative problem solving, and independent studies. These experiences will provide opportunities to be guided by the gifted facilitator and be student-directed. Advanced Seminars and Investigations serves as the prerequisite for the Gifted Internship course.

### 1370EL Gifted Internship (EEE)

**Grade Level:** 11, 12 **Credit:** .5 or 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** 1360EL/1360ELV Advanced Seminars and Investigations (0.5 credit minimum)

The EEE facilitator will work with students 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 school 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 Showcase presentation where students present the outcomes of their experience to students, faculty, and the community.

**Note:** Teacher approval is required.

### 1371FAA EEE Classical and Medieval Culture

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Fine Arts  
**School:** RBHS

Egypt, Greece, Rome; The Jews, the Christians, the Muslims; Andalusian Spain, Gothic France, and Renaissance Italy; Painting, Sculpture, Philosophy, Religion, Architecture, and more. Join Mr. Meyer for a whirlwind tour of the people, places and ideas that brought the West to the Modern World, and learn a way to make sense of it for yourself.

### 1429ELO (Online) Career Exploration

**Grade Level:** 9, 10, 11 **Credit:** .5 **Type:** Elective  
**School:** CPS Online

Students will complete assignments and self-assessments

to identify and research careers that are a good fit for their personality, interests, skills, and values. Additionally, students will complete future planning assignments to learn about colleges and other training programs that will prepare them for their careers of interest. Students enrolling in this course should be self-motivated learners with excellent time management and organizational skills.

### 1430ELO (Online) Career Path Internship

**Grade Level:** 10, 11, 12 **Credit:** .5 or 1 **Type:** Elective  
**School:** CPS Online  
**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 monthly journals and participation 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 strong time management skills.

**Transportation:** Students must provide their own transportation to/from their internship/job site.

**Placement:** Students are responsible for choosing and setting up their internship/job site(s); however, if needed, the course instructor can help with locating appropriate internship placement. Students may choose to intern/work at more than one site during the semester or year.

**CP Internship Application:** Students must complete and submit the CP Internship Application to **Mrs. Reed (rreed@cpsk12.org)** BEFORE the start of the class. The CP Internship Application can be found at [www.cpsk12.org/domain/5258](http://www.cpsk12.org/domain/5258).

**Note:** \*Students may complete their 50 hours during the summer prior to the school year they are enrolled in the CP Internship course. The CP Internship Application must be completed and submitted before the start of the summer for any summer hours to be accepted. Students must write a resume, maintain a timesheet and have their summer hours verified by the internship site supervisor, be evaluated by their site supervisor, and write a paper over their experience (prompt available on our Schoology site) to earn credit for summer work.

### 1533EL Intro to Leadership

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

Throughout history, the world’s greatest leaders have embraced distinctive core values and principles upon which they have based their decisions and actions. Contrary to common opinion, leadership is not an innate trait—it can be taught and is a learned habit. Leaders are made, not born. This course is designed to provide students in grades 10-12 the opportunity to develop their leadership potential and essential skills for effective leadership.

### Principal Topics & Course Focus:

- Leadership Styles
- Self-Awareness/Self-Esteem
- Group Dynamics & Diversity
- Project Planning & Organizational Skills
- Community Relations & Public Service
- Goal Setting & Problem Solving
- Communication Styles & Public Speaking

**College Dual Credit:** May be available

### 1559EL ACT/College Prep Seminar (EL)

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

### 1610EL Sport & Performance Psychology (EL)

**Grade Level:** 10, 11, 12 **Credit:** .5 **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  
**Prerequisite:** Application and Interview

AVID is a year-long academic elective course that prepares students for college readiness and success. Students receive instruction that utilizes a college-preparatory curriculum, tutor-facilitated study groups, motivational activities, and academic success skills. Students explore college and career opportunities. Some students will have previous experience with AVID in the middle school grades, and some students will be experiencing AVID for the first time. Either way, the 9th 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 their 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 trips and guest-speaker preparations and presentations. Their college research will include financial topics and building their knowledge of colleges and careers of interest.

### 1634EL Advancement Via Individual Determination (AVID)

**Grade Level:** 10 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** 9th Grade AVID Elective Class (Application and Interview)

AVID is a year-long academic elective course that prepares students for college readiness and success. Students receive instruction that utilizes a college-preparatory curriculum, tutor-facilitated study groups, motivational activities, and academic success skills. Students explore college and career opportunities. During the 10th 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 their 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. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their colleges and careers of interest based on their personal interests and goals.

### 1635EL Advancement Via Individual Determination (AVID)

**Grade Level:** 11 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** 10th Grade AVID Elective Class (Application and Interview)

AVID is a year-long academic elective course that prepares students for college readiness and success. Students receive instruction that utilizes a college-preparatory curriculum, tutor-facilitated study groups, motivational activities, and academic success skills. Students explore college and career opportunities. **The 11th 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 when they apply to four-year universities

and confirm their postsecondary plans. **Enrollment in AVID 11 requires past enrollment as an AVID high school student.**

### 1636EL Advancement Via Individual Determination (AVID)

**Grade Level:** 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** 11th Grade AVID Elective Class (Application and Interview)

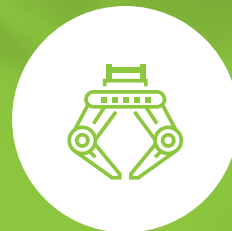
AVID is a year-long academic elective course that prepares students for college readiness and success. Students receive instruction that utilizes a college-preparatory curriculum, tutor-facilitated study groups, motivational activities, and academic success skills. Students explore college and career opportunities. **The 12th grade AVID Elective course is the second part in a junior/senior seminar course** that focuses on the writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project with research skills gained 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. **Enrollment in AVID 12 requires past enrollment as an AVID high school student.**

### 1895EL Sports Medicine

**Grade Level:** 11, 12 **Credit:** .5 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Biology

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 & Industrial Technology Courses



# Engineering and Industrial Technology (TI)

## 7730PA Theatre Technology

### 8250FATH Theatre Technology

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Practical Art (PA) or Fine Art (FA)

**School:** BHS, HHS, RBHS

Students will learn principles of set design and construction, painting, lighting, sound, costumes, props, make-up and Theatre 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.

## 7735PA Advanced Theatre Technology

### 8251FATH Advanced Theatre Technology

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Practical Art (PA) or Fine Art (FA)

**School:** BHS, HHS, RBHS

**Prerequisite:** Theatre Technology

Students practice advanced principles of all aspects of theatre production learned in Theatre Technology and may take on leadership roles in set design and management. This course may be repeated for an elective credit.

## 7755PA Woodworking

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

**School:** BHS, HHS

Woodworking introduces students to the basic designs and processes used in the hobby/craft/trade of woodworking. Designing, constructing, and operating various power tools throughout the year will be emphasized. Project work will include both required, and individually designed projects as a part of the class. Various materials will be utilized in small- to medium-sized projects. Career exploration, critical thinking and problem solving will be applied 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 processes used in the woodworking industry. In this course you will learn modernized aspects of woodworking by utilizing new technologies 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 **Credits:** 2 **Type:** 1 Math and 1 Practical Arts

**School:** BHS

**Prerequisite:** Algebra 1

### 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 language 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.

## 9401PA Automotive Technology 1

**Grade Level:** 11 **Credits:** 2 **Type:** Practical Art

**School:** CACC

Automotive Technology is a course in automotive maintenance and light repair. Over two years, you will learn the necessary knowledge and skill sets outlined by the National Institute for Automotive Service Excellence and the National Automotive Technicians Education Foundation. The skill sets include brakes, steering and suspension, manual drivetrain, automatic transmission/transaxles, engine repair, heating and air

conditioning, electronics and engine performance. After the two-year course, you will obtain the skills required to enter the automotive repair industry as a general service technician and enter the industry as a “B-Level” Technician. Approved work clothes and shoes are a requirement. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Related:** Small Engine Technology, PLTW-Digital Electronics

### 9402PA Automotive Technology 2

**Grade Level:** 12 **Credits:** 2 **Type:** Practical Art

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Automotive Technology 1

This course is a continuation of Automotive Technology 1 in which you will cover the remainder of the eight major units of instruction. See Automotive Technology 1 for details. Approved work clothes and shoes are a requirement. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

### 9451PA Certified Welding 1

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

**School:** BHS, CACC, HHS

You will begin to explore the welding field and how to join metals together. Welding processes covered in this introductory course include oxy-fuel cutting, Gas Metal Arc Welding (GMAW), and Shielded Metal Arc Welding (SMAW). Students will use problem-solving, math and measurement skills, and foundational science knowledge. Power tool safety will be taught and expected to be followed daily. Weld coupons will be submitted for visual tests and welding professional-based evaluations. Safety is a top priority, so clothing and shoes used in the industry are required. CACC will provide welding helmets, gloves, and safety glasses. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Enrollment Note:** Course enrollment will begin with the 10th, followed by the 11th and 12th grades, respectively.

### 9452PA Certified Welding 2

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

**School:** BHS, CACC, HHS

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Certified Welding 1

This AWS-accredited class will further develop your welding skills (SMAW & GMAW) on ferrous metals performing open root welds in all positions based on the AWS Structural Steel Code. You can earn a Certificate of Completion as an AWS Entry-Welder Level I. You will learn advanced joint fit-up and layout, as well as welding symbols. Power tool safety will be reviewed and expected to be followed daily. Safety is a top priority, so clothing and shoes used in the industry are required. CACC will provide welding helmets, gloves, and safety glasses. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

### 9453PA Certified Welding 3

**Grade Level:** 12 **Credits:** 2 **Type:** Practical Art

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Certified Welding 2

Certified Welding 3 is a challenging course accredited by AWS. This class focuses on welding ferrous and nonferrous metals as well as pipe welding in four positions using Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Flux-Cored Arc Welding (FCAW), and a combination of SMAW and GTAW. You will study oxy-fuel, air carbon arc, and plasma cutting as well as power tool safety, welding symbols and American Welding Society structural certification codes. Safety is a top priority, so clothing and shoes used in the industry are required. CACC will provide welding helmets, gloves, and safety glasses. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

### 9501PA Construction 1

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

**School:** CACC

You will cover the basic concepts of the residential construction industry. You will learn stages of home construction, including site layout, concrete, floor systems, wall systems, stairs, rough-in plumbing, electrical, drywall and interior finishes. Approved work shoes and clothes are a requirement. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

### 9502PA Construction 2

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

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Construction 1

This course is a continuation of Construction 1 in which students will learn the remainder of the major units of instruction. See Construction 1 for details. Approved work shoes and clothes are a requirement. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

### 9503PA Construction 3

**Grade Level:** 12 **Credits:** 2 **Type:** Practical Art

**School:** CACC

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Construction 2

You will complete advanced studies in roofing, wall and stair systems, construction equipment, and crew leadership in the third year of Construction. As opportunities arise, you may job shadow construction professionals. A portion of the course is self-guided. Approved work shoes and clothes are a requirement. Every student will have an opportunity to advance personal and professional skills through participation in the student organization SkillsUSA.

**9601PA Computer Aided Design 1**

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

CAD 1 will develop your mechanical engineering design skills, 3D modeling, architectural home design and 3D visualization. Learn to use 3D Printers, print in resin and abs/carbon fiber. You will utilize the latest software programs: AutoCAD, Solidworks, Architectural Desktop, Revit and 3D Studio Max. Areas of study include 2D and 3D mechanical model design, architecture 2D and 3D design and 3D visualization rendering. All students will develop a portfolio of traditional prints, advanced 3D designs and renderings. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**College Dual Credit:** May be available

**9604PA 3D Animation Essentials**

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

Do you ever wonder how movie studios make dinosaurs or monsters come to life? Have you ever considered designing your favorite video games' massive worlds, tools, and characters? If you have—this is the class for you! The course will allow you to develop design skills in 3D animation, game design and 3D visualization. Autodesk, Maya and Zbrush will serve as the primary software programs. You will learn how to do the following: model weapons and vehicles, sculpt characters and creatures, rig and animate your characters, and add lights and materials to enhance your scene. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Related:** 3D Animation, CAD 1, Civil Engineering and Architecture

**9606PA Advanced 3D Animation**

**Grade Level:** 11, 12 **Credits:** 2 **Type:** Practical Art  
**School:** CACC  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in 3D Animation Essentials

You will work in teams and develop individual projects concentrating on character design, 3D environments, lighting and materials. You will develop skills using Maya, Blender, Zbrush, Unreal Engine, and Substance Painter. You will develop leadership skills while storyboarding, 3D modeling, lighting, texture mapping and post-production editing—all skills necessary for advertising, game design and movie effects. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**9610PA – Civil Engineering and Architecture 1**

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

Learn to design and build the physical and natural environment infrastructures modern society depends on, including houses,

roads, bridges, dams, clean energy, structural components of buildings and alternative transportation. This course grants you the intellectual freedom and laid-back approach to develop your individual interest in building and designing concepts. You will design house plans and create 3D models along with realistic renderings of houses with lighting and materials using CAD (computer aided design) software, test balsa wood bridges and other structures, study road and transportation design, survey outdoor environments, create topographic models, observe erosion tables, interact with an augmented reality sandbox and more. If you have any career interest in engineering or architecture, this course will give you the real-world, college-level experience needed to see if this is the right fit for you. Let's get building! Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Recommended:** C or better average in Algebra 1  
**College Dual Credit:** May be available

**9611PA Civil Engineering and Architecture 2**

**Grade Level:** 11, 12 **Credits:** 2 **Type:** Practical Art  
**School:** CACC  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Civil Engineering and Architecture or Computer-Aided Design 1

Build upon the knowledge gained in Civil Engineering and Architecture to help equip you to face the challenges of modern engineering and architectural practices. You will delve deeper into engineering, architectural design and construction using various methods. You will produce topographic surveys and then turn them into working site plans and models containing real-world scenarios and solutions. Using the latest Computer Aided Design programs, you will design houses, build house models and learn how to make structures stable and efficient. An innovative and research-based capstone engineering project with a student-designed model will complete the course. You will walk away with a professional digital and physical portfolio of completed projects. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**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.

Are you interested in an engineering-related field of study? This course's primary focus is to expose you to the design process, research and analysis, teamwork, communication methods, engineering standards, and technical documentation. Through a limited number of hands-on projects, you will apply engineering standards while documenting work and design. Use industry-standard 3D modeling software to help design solutions to proposed problems, document work using an engineer's notebook and communicate solutions to peers and professional community members. The course assumes no previous knowledge. Every student will have an opportunity



to advance personal and professional skills through participation in SkillsUSA.

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

**Related:** PLTW Digital Electronics, PLTW Robotics and Computer Integrated Manufacturing, Civil Engineering and Architecture, Computer Aided Drafting

**College Dual Credit:** May be available

**Articulated College 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.

Through problems that engage and challenge, students explore various engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop problem-solving, research, and design skills while learning strategies for design process documentation, collaboration, and presentation. You will uncover significant concepts encountered in a postsecondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. You will develop problem-solving skills, work in groups, and apply research and design knowledge to solve various challenges. The course also teaches the detailed documentation of work while communicating solutions effectively. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**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, Civil Engineering and Architecture, Computer Aided Design

**College Dual Credit:** May be available

**Articulated College Credit:** May be available

## 9672PA PLTW – Engineering Essentials

**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.

Are you interested in an engineering-related field of study but want to know more about engineering careers? This course's primary focus is to explore the breath of engineering fields and experiences to help students understand the various types of engineering. Students will engage in a variety of challenging real-world problems that include 3-D modeling, electrical engineering concepts, experimental design and testing, project management, and geographic information system (GIS) experiences. This class helps determine what type of engineering you are

most interested in. The course assumes no previous knowledge. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

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

**Related:** PLTW- Principles of Engineering (POE), PLTW- Digital Electronics (DE), PLTW- Robotics and Computer Integrated Manufacturing (CIM), PLTW – Introduction to Engineering Design (IED), Civil Engineering and Architecture, Computer Aided Design

**College Dual Credit:** May be available

**Articulated College Credit:** May be available

## 9751PA PLTW – Digital Electronics

**Grade Level:** 10, 11, 12 **Credit:** 1 **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.

The digital realm is built on two essential words, ON and OFF. The ON/OFF switch is the same logic used to make the digital electronic circuits inside your laptop computer, drone and smartphone. This class explores how ON/OFF's simple concept creates a world of endless digital capabilities to learn and build. You will design physical circuits and microcontrollers in which they will have the ability to run traffic signs, automate toll-booths and even count votes for an election. The labs demonstrate the real-world implementation of otherwise abstract academic concepts and provide valuable experience in breadboarding, testing and debugging circuits. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Recommended:** C or better average in Algebra 1

**Related:** 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

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

The robotic automation revolution is growing and now is featured in almost every aspect of our lives. Robotics builds the transitional phase where the physical reality fuses with the virtual world of programming. The course introduces seemingly endless career possibilities of robotics and automation through real-world projects and problems. You will work with control systems, sensors and processors and create custom-built machines to accomplish detailed tasks and the beginning levels of artificial intelligence. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Recommended:** C or better average in Algebra 1

**Related:** PLTW Digital Electronics, PLTW Introduction to

Engineering Design, PLTW Principles of Engineering  
**College Dual Credit:** May be available

### 9758PA PLTW – Engineering Design and Development

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

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in one of the following: PLTW Introduction to Engineering Design, PLTW Principles of Engineering, PLTW Digital Electronics, PLTW Robotics and Computer Integrated Manufacturing, Civil Engineering and Architecture or Computer Aided Design 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 where 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 issue “solved.” The course involves and concurrently develops secondary-level knowledge and skills in mathematics, science and technology. You need a work ethic and self-discipline to meet the high-level rigor. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**College Dual Credit:** May be available

### 9710PA CASA Lab 1

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Practical Art  
**School:** HHS (Transportation provided for other schools)

Problem solving, group work and independent decision-making skills are some of the dynamics you will learn and practice in this course. The Columbia Aeronautics and Space Association (CASA) is an aerospace simulation that gives you many opportunities to apply your knowledge and problem-solving skills in Administration, Aerospace Research, Engineering Design and Science, Audio-Visual Engineering and Production. In CASA, you replicate NASA technologies and experiments in a student-directed, hands-on simulation. Expand your knowledge in science, technology, engineering and mathematics (STEM) in a project-based learning environment. You will have the opportunity to work with NASA as part of a national high school design competition. You need a work ethic and self-discipline to meet the high-level rigor. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Recommended:** C or better average in PLTW Introduction to Engineering

### 9715PA CASA Lab 2

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Practical Art  
**School:** HHS (Transportation provided for other schools)  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in CASA Lab 1

Problem solving, group work and independent decision-making skills are some of the dynamics you will practice in this course. After completing your first CASA mission, develop personal skills, integrate them into your involvement in CASA and take on more leadership responsibilities. Expand your science, technology, engineering and mathematics (STEM) knowledge in a project-based learning environment. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

### 9720PA Advanced CASA Lab

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Practical Art  
**School:** HHS (Transportation provided for other schools)  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in CASA Lab 2

In Advanced CASA Lab, take on a leadership role in the Columbia Aeronautics and Space Association. You 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 and the work environment. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Note:** Students may repeat the course for credit.



# English & Language Arts Courses



## English (EN)

### 2200EN English 9: Civic Literature

#### 2200ENO (Online) English 9: Civic Literature

**Grade Level:** 9 **Credit:** 1 **Type:** English  
**School:** BHS, DHS, HHS

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. **NCAA Approved Course.**

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

**This course may be taken in the following format:**

### 2202EN English 9: Civic Literature Honors

**Grade Level:** 9 **Credit:** 1 **Type:** English  
**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. **NCAA Approved Course.**

### 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. **NCAA Approved Course.**

**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. **NCAA Approved Course.**

### 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. 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. **NCAA Approved Course.**

### 2300EN English 10: World Literature

#### 2300ENO (Online) English 10: World Literature

**Grade Level:** 10 **Credit:** 1 **Type:** English  
**School:** BHS, DHS, HHS, CPS Online

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. **NCAA Approved Course.**

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

**This course may be taken in the following format:**

### 2302EN English 10: World Literature Honors

**Grade Level:** 10 **Credit:** 1 **Type:** English  
**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. **NCAA Approved Course.**

### 0520NC Modern 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. **NCAA Approved Course.**

### 0527NC AP World History: Modern/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. 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. **NCAA Approved Course.**

### 2400EN English 11: American Literature

#### 2400ENO (Online) English 11: American Literature

**Grade Level:** 11 **Credit:** 1 **Type:** English  
**School:** BHS, DHS, HHS, CPS Online

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 read, analyze, and create informational and argumentative texts related to the history and culture of the United States. **NCAA Approved Course.**

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

### 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 synthesis and interdisciplinary skills. Students will work collaboratively within a large classroom environment. **NCAA Approved Course.**

### 2404EN AP English Language and Composition

#### 2404ENO (Online) AP English Language and Composition

**School:** BHS, HHS, CPS Online

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. 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. **NCAA Approved Course.**

### 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. Students will work collaboratively within a large classroom environment. 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. **NCAA Approved Course.**

### 2451ENO (Online) English 12: Literature

**Grade Level:** 12 **Credit:** 1 **Type:** English  
**School:** CPS Online

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. **NCAA Approved Course.**

### 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. **NCAA Approved Course.**

**Note:** \*Juniors who are already enrolled in an English 11 offering may enroll in this course as well, though capacity preference is given to seniors.

### 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 Hansberry, Alice Walker, James Baldwin, Ntozake Shange, and August Wilson. **NCAA Approved Course.**

**Note:** \*Juniors who are already enrolled in an English 11 offering may enroll in this course as well, though capacity preference is given to seniors. \*\*At BHS, this course may be integrated with African American Studies (4801SS) and taught in a block fashion.

### 2502EN English 12: British Literature

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

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. **NCAA Approved Course.**

**Note:** \*Juniors who are already enrolled in an English 11 offering may 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, 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 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. **NCAA Approved Course.**

**Note:** \*Juniors who are already enrolled in an English 11 offering may enroll in this course as well, though capacity preference is given to seniors.

### 2504EN AP English Literature and Composition

#### 2504ENO (Online) AP English Literature and Composition

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

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

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 be 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. **NCAA Approved Course.**

### 2506EN English 12: College Composition

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

**School:** BHS, HHS, RBHS

This year-long course is an introduction to college-level writing in which students develop critical reading and writing skills. The emphasis in reading has students locating, evaluating, and synthesizing information in an analytical and ethical manner.

The emphasis in writing develops students' understanding of the ways writers generate and express ideas for different purposes to various kinds of audiences across a range of contexts, including social, academic, and professional. Students work on argumentation, rhetorical analysis, and editing for clarity, style, and conventions. **NCAA Approved Course.**

**College Dual Credit:** May be available if a student meets specific criteria from the post-secondary institution awarding college credit.

## Language Arts (LA)

### 2350LA (Grades 9/10), 2351LA (Grades 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.

### 2450LA Creative Writing

#### 2450LAO (Online) Creative Writing

**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. **NCAA Approved Course.**

**Note:** 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

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:** HHS, RBHS (BHS may take this course for a Social Studies Elective credit)

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.

### 2600LA 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. **NCAA Approved Course.**

**Note:** This class serves as a prerequisite to Journalism: Newspaper and Journalism: Yearbook.

### 2601LA Journalism: Editors' Seminar Honors

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

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.

**Note:** This course may be repeated for credit. Teacher recommendations will be considered in the selection of staff.

### 2602LA Journalism: Yearbook

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Language Arts  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Journalistic Writing or Digital Media or Photography

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.

**Note:** This course may be repeated for elective credit. Teacher recommendations will be considered in the selection of staff.

### 2603LA Journalism: Newspaper

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

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.

**Note:** This course may be repeated for elective credit. Teacher recommendations will be considered in the selection of staff.

### 2703LA Public Speaking

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Language Art  
**School:** BHS, HHS, RBHS

This semester-long 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. **NCAA Approved Course.**

**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-Douglas Debate, Student Congress, etc. Research is emphasized as students apply evidence through argumentation and refutation while debating current social problems and international conflicts. **NCAA Approved Course.**

**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 10 for complete details).

**2706LA Debate 2/3 Honors**

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

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.

**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 10 for complete details).

**3610LA Introduction to Classical Mythology**

**Grade Level:** 11, 12 **Credit:** .5 **Type:** Language Arts  
**School:** BHS, HHS, RBHS

This semester-long 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 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:** .5 **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 semester-long 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.





## Family & Consumer Science Courses



# Family and Consumer Sciences (FACS)

## 7500PA Child Development 1

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **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 the childcare industry and/or continue with education in the area of Child Development.

## 7501PA Child Development 2

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Practical Art  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Child Development I

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.

**Note:** This course is second semester only.  
**College Dual Credit:** Students successfully completing Child Development 1 and 2 may be eligible to take Child Development Associate (CDA) Bridge course, a MACC dual enrollment course which can lead to a Child Development Associate credential.

## 7503PA Child Development Associate (CDA) Credential Preparation and Observation (dual enrollment college course through Moberly Area Community College)

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

Students who are interested in a career working with young children will learn about early childhood education best practices through a combination of experience in a real preschool setting and classroom instruction designed to prepare teachers to earn the Child Development Associate Credential (CDA) after high school graduation. College credit for this course is free for students in Boone County thanks to a grant from Boone County Children's Services.

**Note:** A semester-long practicum course can be taken following this course which gives the student additional contact hours in a licensed early childhood center.

## 7505PA Family Studies

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Practical Art  
**School:** BHS, HHS

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:** .5 **Type:** Practical Art  
**School:** BHS, HHS

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

## 7535PA MyCuisine

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Practical Art  
**School:** BHS, 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.

**Note:** This course can be taken first semester and Global Cuisine second semester.

## 7537PA Global Cuisine

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Practical Art  
**School:** BHS, HHS, RBHS  
**Prerequisite:** MyCuisine

Build upon skills learned in MyCuisine to help you travel around the world using your taste buds! Global Cuisine has a strong emphasis on the regions of the United States 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  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Fashion, Fabric and Construction 1

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.

**Note:** 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:** .5 **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:** .5 **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.

### 7570PA Interior Design 2

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Practical Art  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Interior Design 1

Students will study the history of architecture and compare architectural details to current housing and design trends. Other topics include kitchen layouts and bathroom design. Hands-on projects will be a major component of the class. Floor plan drafting and elevations will also be created.

**Note:** 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 through educational history, teaching practices, various teaching contexts and contemporary issues. You will be encouraged to think more deeply, broadly and systematically about what teaching is, what teachers do and whether teaching is an appropriate career choice. Every student will have an opportunity to advance personal and professional skills through participation in Educators Rising.

**Related:** Psychology, Sociology, Child Development  
**College Dual Credit:** May be available

**Enrollment Note:** Course enrollment will begin with the 10th and be followed by the 11th and 12th grades, respectively.

### 9216PA Foundations of Teaching and Instruction

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

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Teaching Professions; instructor-approved work site; strong attendance record; discipline review for violence, insubordination, drugs and stealing.

This course will provide an overview of American education's historical, philosophical, developmental and psychological foundations. You will apply psychological principles to teaching, learning, assessment and educational practices in K-12 classrooms. You will participate in grades PreK-9 field experience and develop a professional portfolio. Every student will have an opportunity to advance personal and professional skills through participation in Educators Rising.

**College Dual Credit:** May be available

### 9217PA Teaching Professions Internship

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

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Foundations of Teaching Professions; instructor-approved work site; strong attendance record; 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. You will observe instruction, classroom management and teaching strategies. You will work one-on-one with students, implement classroom lessons, and create a professional and student portfolio. You will gain experiences allowing reflection on your desire to become a teacher and the reality of a classroom. Every student will have an opportunity to advance personal and professional skills through participation in Educators Rising.

**College Dual Credit:** May be available

### 9951PA Culinary Arts 1

**Grade level:** 9, 10 **Credit:** 1 **Type:** Practical Arts  
**School:** BHS, CACC, HHS

Welcome to the world of professional cooking! This introductory-level course will teach you the basics of working in a professional kitchen. We will explore sanitation, knife cuts, vegetables, starches, various cooking methods, eggs and breakfast cookery. Classes are set in a professional kitchen where students are required to dress out daily, participate in mandatory cleaning tasks and where workplace readiness skills are emphasized daily. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Enrollment Note:** Course enrollment will begin with the 9th, followed by the 10th grade.

**9952PA Culinary Arts 2**

**Grade level:** 10, 11, 12 **Credits:** 2 **Type:** Practical Art  
**School:** BHS, CACC, HHS  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Culinary Arts 1

Expand the knowledge and skills gained in Culinary Arts 1 to create and complete dishes while expanding your understanding of regional and international cuisines. Advance your professional kitchen skills and have the opportunity to earn the American Culinary Federation Fundamentals Cook Certification. The course will cover a variety of units, including soups, sandwiches, salads, seafood, herbs, spices and more. Classes are set in a professional kitchen and workplace readiness skills are emphasized daily. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Related:** Baking and Pastry Arts

**9953PA Baking and Pastry Arts**

**Grade Level:** 10, 11, 12 **Credits:** 2 **Type:** Practical Art  
**School:** CACC  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Culinary Arts 1

Welcome to the world of professional baking. This class will give you the skills necessary to earn the American Culinary Federation Fundamentals Pastry Cook Certification. You will explore all aspects of baking and pastry, including the ingredients, equipment and techniques for making bread, pies, cookies, cakes, biscuits, frozen desserts, mousses and more. Classes are set in a professional kitchen and workplace readiness skills are emphasized daily. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Related:** Culinary Arts 2

**9955PA Culinary Arts 3**

**Grade level:** 11, 12 **Credits:** 3 **Type:** Practical Art  
**School:** CACC  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Culinary Arts 2, essential skills met

Explore advanced techniques such as sausage making, other charcuterie, coffee and the study of regional and international cuisines. You will also learn what it takes to produce large quantities of products for various catering events and product sales. Classes can participate in running a food truck, serving catered meals and community events. Classes are set in a professional kitchen and workplace readiness skills are emphasized daily. ServSafe Certification will be available to students. Every student will have a chance to advance personal and professional skills through participation in SkillsUSA.

**Related:** Baking and Pastry

**9266PA Law Enforcement**

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

This course examines the history of policing in the United States and an overview of the relationship between law enforcement and society. It includes an examination of the duties of law enforcement officers, operations of police agencies, community relations, police subculture and the need to conform to constitutional procedures. You will examine the development and function of the criminal justice system and the interrelationships between the police, courts, juvenile, corrections systems and other related fields. You will participate in hands-on application experiences including vehicle stops, traffic enforcement, patrol tactics, evidence collection and handling, pedestrian checks, bias crimes and other investigative work. Athletic clothing is required to participate in physical training. After completing this course, you may pursue immediate employment or continue education in careers related to law enforcement, crime scene investigation, forensic science, corrections, private security, legal studies or other related fields. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Related:** Law and Order, Forensic Science, Psychology  
**Enrollment Note:** Course enrollment will begin with the 11th, followed by the 12th grade.

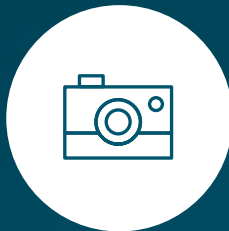
**9267PA Law Enforcement 2**

**Grade level:** 12 **Credits:** 2 **Type:** Practical Art  
**School:** CACC  
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Law Enforcement 1

This course is a continuation of Law Enforcement 1 in which students will cover court structure, trial procedures and sentencing, corrections, prison life, juvenile justice, and crime and justice in the new millennium. You will continue to participate in physical training and expand on report writing and investigative work knowledge. After completing this course, you may pursue immediate employment or continue education in careers related to law enforcement, crime scene investigation, forensic science, corrections, private security, legal studies or other related fields. See Law Enforcement for details. When appropriate, students will wear athletic clothes to participate in training, as the law enforcement field is physically demanding. Every student will have an opportunity to advance personal and professional skills through participation in SkillsUSA.

**Related:** Law and Order, Forensic Science, Psychology

## Fine Art Courses



# ART (ART)

## 8110FAA Art Basics

**Grade Level:** 11, 12 **Credit:** .5 **Type:** Fine Art  
**School:** BHS, DHS, HHS, RBHS

Designed for students wanting to explore beginning art-making and combined with other courses for completion of a full fine arts credit. This course explores a variety of different 2D and 3D art forms, styles and materials. This class focuses primarily on art-making, but limited research, reading and writing will be components.

**Note:** This course does not fulfill any prerequisites for any advanced art courses. When paired with Music Basics (8020FAC), Film Studies (8040FAC), or Music Production and Engineering (8090FAC) it fulfills the required fine art credit for graduation.

## 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.

**Note:** Art I: Foundations is a prerequisite for all advanced level art courses.

## 8130FAA Photography 1

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Fine Art  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Art 1: Foundations

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 as well as other photographic techniques and processes.

## 8131FAA Photography 2

**Grade Level:** 12 **Credit:** 1 **Type:** Fine Art  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Photography 1

Photography provides a fine arts credit. This course is for highly motivated photography students and addresses a wide range

of subjects and approaches through developing a series of portfolios and research. 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 as well as working with digital photography and basic editing.

## 8140FAA Art 2: 2-D Design

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

This studio Fine Arts course involves visual problem solving by exploring visual composition and communication. The students will create pieces that focus on the elements and principles of design in a variety of media including printmaking, drawing, painting and mixed media. This course focuses less on building observational drawing skills, and more on design.

**Note:** For serious graphic design students, it is recommended this course be taken with Graphic Design and Publishing (9134PA).

## 8141FAA Art 2: 3-D Design

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

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.

**Note:** This course is a prerequisite 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  
**School:** BHS, DHS, HHS, RBHS  
**Prerequisite:** Art 1: Foundations

Studio Art: Drawing, Mixed Media & Painting combines the variety of projects and media seen in Art I: Foundations with 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

**School:** BHS, HHS

**Prerequisite:** Art 1: Foundations

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 students will engage a variety of techniques with an emphasis on creative problem solving and further developing a passion for art.

**Note:** Additional work outside of class is a 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 Art 1: Drawing and Painting

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

**School:** BHS, HHS, RBHS

**Prerequisite:** Studio Art

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 begin to prepare a portfolio to be completed in AP Art 2 Drawing and Painting. The course begins with teacher directed assignments. As it progresses through the year it becomes more student directed.

**Note:** The expectations and pace require significantly more time than a typical high school course, additional work outside of class is required.

### 8151FAA AP Art 2: Drawing and Painting

**Grade Level:** 12 **Credit:** 1 **Type:** Fine Art

**School:** BHS, HHS, RBHS

**Prerequisite:** AP Studio Art 1

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 College Board AP Program for review and possible college credit. The course begins with teacher directed assignments. As it progresses through the year it becomes more student directed.

**Note:** The expectations and pace require significantly more time than a typical high school course, additional work outside of class is required.

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

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

**School:** BHS, HHS, RBHS

**Prerequisite:** Art 2: 3-D Design

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 begin to prepare, to be completed in AP Art 2: 3D.

**Note:** 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.

**College Dual Credit:** May be available for HHS only

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

**Grade Level:** 12 **Credit:** 1 **Type:** Fine Art

**School:** BHS, HHS, RBHS

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

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.

**Note:** 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.

**College Dual Credit:** May be available for HHS only

### 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.

**Note:** \*Students at Battle or Rock Bridge high schools will be able to take this course but will need to provide appropriate transportation to Hickman High School.

## Musical Arts (MUSIC)

All students interested in a performance ensemble course, whether Concert or Jazz Band, Choir or Orchestra, should sign up for the single performance ensemble below. Auditions are not required to participate in beginning level ensembles but most 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, and/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  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Prior band experience and/or audition.

Concert Band offers opportunities in the study and performance of various types and ensembles in instrumental music. The repertoire typically performed by the Concert Bands consists of traditional and contemporary band literature in appropriate levels of difficulty. 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. 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 the band handbook of the high school you will be attending.**

**Note:** Students are expected to maintain MSHSAA eligibility. See page 10 for complete details.

### 8350FAMB Jazz Band

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Fine Art  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Audition and/or Director Placement

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. 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.**

**Note:** Students are expected to maintain MSHSAA eligibility. See page 10 for complete details.

### 8410FAMS String Orchestra

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

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. 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.

**Note:** Students are expected to maintain MSHSAA eligibility. See page 10 for complete details.

### 8540FAMV Concert Choir

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

Choir is a co-curricular performance-based course that provides students the ability to learn the techniques of singing, reading music, developing song repertoire, ear training, choral listening skills, and experiencing the interrelated nature of music with other cultures and content areas. The choral repertoire consists of traditional and contemporary literature in ensemble-appropriate levels of difficulty. 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 also have the ability to audition for and participate in extracurricular choirs: Solo/Small Ensemble Contest, District Choir, All-State Choir, and National Choir. Students who meet the prerequisites for advanced ensembles will be transferred by request of the choir director. Other ensembles may include: Advanced Treble, Tenor/Bass, Soprano, Alto, Tenor, Bass (Mixed), Show Choir (some ensembles may be auditioned).

**Advanced Treble** is an auditioned Treble ensemble for students 10-12. **Prerequisite:** Audition with director and one school year participant in Treble Choir. In addition to the description above, students in this ensemble participate in local and out-of-city performances and large ensemble contests. The repertoire for Advanced Treble is selected to provide the student with experiences in various styles of vocal literature.

**Show Choir** is an auditioned ensemble for students grades 9-12. In addition to the description above, students in this ensemble participate in local and out-of-city/state performances and show choir festivals. Out-of-school rehearsals and choreography days are required for this ensemble. The repertoire for show choir is selected to provide the student with experience in various styles of vocal literature.

**Tenor/Bass Choir** is a non-auditioned Tenor/Bass ensemble for students 9-12. In addition to the description above, students in this ensemble participate in local and out-of-city performances and large ensemble contests. The repertoire for Tenor/Bass choir is selected to provide the student with experience in various styles of vocal literature.

**Treble Choir** is a non-auditioned Treble ensemble for students 9-12. In addition to the description above, stu-



dents in this ensemble participate in local and out-of-city performances and large ensemble contests. The repertoire for Treble Choir is selected to provide the student with experience in various styles of vocal literature.

**Note:** Attendance is required for all performances. Students must be MSHSAA eligible and are expected to maintain eligibility. See page 10 for complete details.

## Theatrical Arts (THEATRE)

**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 who enroll in Acting I need no prior knowledge of acting skills. Students will explore the foundations of acting skills and techniques in stage movement, character development, script study, 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 build on skills they learned in Acting 1 to further explore advanced acting styles and techniques. Students will have the opportunity for exploring technical theatre skills. Students prepare scenes and a production for public performance. Occasionally, group rehearsal is required outside of regular class time. Advanced Acting classes will involve differentiated learning for the various combined levels of experience.

**Note:** Students are expected to maintain MSHSAA eligibility. See page 10 for complete details.

### 8222FATH Acting III

**Grade Level:** 11, 12 **Credit:** .5 or 1 **Type:** Fine Art  
**School:** BHS, HHS, RBHS  
**Prerequisite:** An Acting course (Acting II 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 prepare scenes and a production(s) for public performance for audiences (children to adults). 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:** .5 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 adults). 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:** 11, 12 **Credit:** .5 **Type:** Fine Art  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Acting III or IV course or teacher approval

This course allows advanced theatre students an opportunity to go through the process of directing their peers within Advanced Acting 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.

**Note:** This class is only offered 2nd semester and either Acting III, Acting IV or Advanced Competitive theatre typically should 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.

**Note:** Students are expected to maintain MSHSAA eligibility. See page 10 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.

**Note:** Students are expected to maintain MSHSAA eligibility. See page 10 for complete details.

**8250FATH Theatre Technology****7730PA Theatre Technology****Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Fine Art (FA) or Practical Art (PA)**School:** BHS, HHS, RBHS

Students will learn principles of set design and construction, painting, lighting, sound, costumes, props, make-up and theatre 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.

**8251FATH Advanced Theatre Technology****7735PA Advanced Theatre Technology****Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Fine Art (FA) or Practical Art (PA)**School:** BHS, HHS, RBHS**Prerequisite:** Theatre Technology

Students practice advanced principles of all aspects of theatre production learned in Theatre Technology and may take on leadership roles in set design and management. This course may be repeated for a general elective credit.

## Fine Arts Electives (Art, Music, Theatre)

**8010FAC Musical Theatre/Production 1 (MUSIC)****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 Theatre/Production 2 (MUSIC)****Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Fine Art**School:** BHS, HHS, RBHS**Prerequisite:** Musical Theatre/Production 1**8012FAC Musical Theatre/Production 3 (MUSIC)****Grade Level:** 11, 12 **Credit:** 1 **Type:** Fine Art**School:** BHS, HHS, RBHS**Prerequisite:** Musical Theatre/Production 2**8020FAC Music Basics (Beginning Guitar/Ukulele) (MUSIC)****Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Fine Art**School:** BHS, DHS, HHS, RBHS

Designed for students as an introductory and non-performance course, this semester-long music class exposes students to various aspects of music while learning basic guitar and ukulele. Topics explored in this course include beginning guitar/ukulele technique, music notation, self-accompaniment using chords, and basic songwriting.

**Note:** When paired with Art Basics (8110FAA), Film Studies (8040FAC), or Music Production and Engineering (8090FAC) it fulfills the required fine art credit for graduation.

**8021FAC Music Theory Honors (MUSIC)****Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Fine Art**School:** BHS, HHS, RBHS

**Prerequisite:** Current participation in a school music performance ensemble or acceptance into the course after successfully completing a placement test.

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 and beginning music composition. 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.

**Note:** Students with no formal music training should consider Music Basics (8020FA).

**8040FAC Film Studies (ART, MUSIC, THEATRE)****Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Fine Art**School:** BHS, HHS, RBHS

This semester course is designed for students who want to know more about film and performance critique, both from the aspect of being behind the camera and as a consumer. Students will be introduced to various genres and film history. Students will respond to films viewed in a variety of written, visual and spoken activities. In conjunction with studying film language, film advertising, the impact of music on film and the movie industry; students develop an overall appreciation for film acting, directing, and producing.

**Note:** When paired with Art Basics (8110FAA), Music Basics (8020FAC), or Music Production and Engineering (8090FAC) it fulfills the required fine art credit for graduation.

### 8050FAC Music Appreciation (Online)

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Fine Art  
**School:** CPS Online

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 21st Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

### 8051FAC Introduction to Art (Online)

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Fine Art  
**School:** CPS Online

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.

### 8070FAC Color Guard (MUSIC)

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 or 1 **Type:** Fine Art/Elective  
**School:** BHS  
**Prerequisite:** Audition with director

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 with the marching band starting at 7:00 am. In addition to morning rehearsals, guard members must attend sectionals. 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. Auditions are typically held in the spring semester prior to the fall marching season.

**Note:** Students are expected to maintain MSHSAA eligibility. See page 10 for complete details.

**Enrollment Note:** Color Guard members who wish to play an instrument in band after marching season should enroll for 8310FA Concert Band instead of 8070FAC Color Guard. Color Guard members who wish to continue in Color Guard for a second semester at BHS only should enroll in 8070FAC for two semesters.

### 8080FAC Beginning Piano (MUSIC)

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **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, and 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.

### 8090FAC Music Production & Engineering (MUSIC)

**Grade Level:** 10, 11, 12 **Credit:** .5 **Type:** Fine Art/Elective  
**School:** BHS, DHS, HHS, RBHS

The Music Production & Engineering class introduces the study of where technology and musical worlds intersect. Through a study of past and present techniques, students in this course will establish a foundational understanding of sound science, modern recording techniques, digital music creation, and sound editing. This course will serve the needs of students from a variety of experiences ranging from those with no prior musical experience to those with a substantial background in music. Students will be provided hands-on experiences in a project-based environment and will utilize modern music technology to create self-produced musical artifacts.

**Note:** Priority will be given to juniors and seniors for placement in this course.



# Health Professions (HLTPR)

## 9270PA PLTW – Principles of Biomedical Sciences

**Grade Level:** 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 keystone course in the nationally recognized Project Lead the Way program investigates biomedical sciences through problem-based learning and hands-on projects. Designed to develop your collaborative, critical-thinking and problem-solving skills, you begin by determining factors that lead to the death of a fictional person while researching the various career fields that would assist in this process. You also look at infectious diseases, patient care foundations, HIPAA, and experimental design procedures. Activities and projects introduce human physiology, medicine and research processes, laying the scientific foundation for subsequent PLTW courses in the Biomedical Sciences Program. PLTW strongly recommends that every student advance their personal and professional skills by participating in HOSA: Future Health Professionals.

**College Dual Credit:** May be available

**Enrollment Note:** Course enrollment will begin with the 9th, followed by the 10th and 11th grades, respectively.

## 9271PA PLTW – Human Body Systems

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

**School:** BHS, CACC, HHS

**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) 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 you to develop innovative, collaborative, critical thinking and problem-solving skills. You will experience real-world scenarios and cases to see medicine in action as you diagnose and provide treatment and rehabilitation to patients at an outpatient center, keep clients safe and healthy on adventure medicine trips in remote locations, and work in a research center to design laboratory investigations to explore development and aging. You will design experiments, investigate the human body's structures and functions, and use data acquisition software to monitor body functions such as muscle movement, reflexes, voluntary action, and respiration. You explore science on the move, build organs and tissues on a mannequin, work through interesting real-world cases, and often play biomedical professionals' roles in solving medical mysteries. PLTW strongly recommends every student advance their personal and professional skills by participating in HOSA: Future Health Professionals.

**Recommended:** C average and proficient score on the PLTW Principles of Biomedical Sciences EOCs

**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:** Passing grades for both semesters (averaging 70% or higher) in 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.

Investigate various interventions that involve prevention, diagnosis and treatment of disease as you follow a fictitious family's lives in this Project Lead the Way course. The class is a "how-to" manual for maintaining homeostasis in the body. Explore how to prevent and fight infection, screen and evaluate the code in human DNA, prevent, diagnose, and treat cancer and prevail when the body organs fail. These scenarios expose you to various interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics. Each method introduces multiple types of interventions, reinforces concepts learned in previous courses and presents new content. The interventions are showcased across generations of a family, looking at the past, recent, and future biomedical sciences. The course emphasizes lifestyle choices and the important roles scientific thinking and engineering design have in developing future interventions. PLTW strongly recommends every student advance their personal and professional skills by participating in HOSA: Future Health Professionals.

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

**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:** Passing grades for both semesters (averaging 70% or higher) in 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, apply your knowledge and skills to answer questions and solve biomedical sciences problems. Design innovative solutions for the health challenges of the 21st Century as you work through progressively challenging open-ended problems while addressing topics such as clinical medicine, physiology, biomedical engineering and public health. You will have the opportunity to work on an independent project and collaborate with a mentor or advisor from a university, hospital, physician's office or industry. PLTW strongly recommends every student advance their personal and professional skills by participating in HOSA: Future Health Professionals.

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

**College Dual Credit:** May be available

**9235PA Professions in Healthcare****Grade Level:** 11, 12 **Credits:** 3 **Type:** Practical Art**School:** CACC

**Prerequisite:** Family Care Safety Registry background check; State or Federally issued ID, social security card, drug screen, tuberculosis screening, influenza vaccine, covid vaccine, discipline review for violence, insubordination, drugs and stealing. Preference is given to students with a record of strong attendance. Students must maintain a 70% or better in the first semester to continue into the second semester and to qualify for clinicals. Prerequisites may vary depending on current industry standards needed for employment and access to healthcare facilities.

Students will learn primary patient care and communication skills and apply medical terminology in the classroom, simulated lab, and community settings. Clinicals require students to perform hands-on patient care with residents at local Long-Term Care Facilities. Hands-on patient care includes skills such as: performing vital signs, supporting residents with activities of daily living (showers, eating, toileting, etc.), and working with residents who suffer from dementia, immobility, and other common geriatric conditions. American Heart Association Healthcare Provider Basic Life Support CPR certification is a requirement and part of the coursework. Completing 100 hours of direct patient care and 75 hours of classroom instruction may provide eligibility for the Missouri Certified Nurse Assistant exam, enabling students to work in healthcare facilities, pursue postsecondary education, and enhance admission opportunities to advanced healthcare career programs. Any student interested in pursuing a career in healthcare will greatly benefit from the skills taught as part of this course. Every student will have a chance to promote personal and professional skills through participation in HOSA.

**Recommended:** Anatomy and Physiology**Related:** PLTW Principles of Biomedical Sciences, PLTW Human Body Systems, Biology, Chemistry, Anatomy and Physiology**College Dual Credit:** May be available**Enrollment Note:** Course enrollment will begin with 12th, followed by 11th grade.**9264PA Emergency Medical Responder (EMR)****Grade Level:** 11,12 **Credits:** 1 **Type:** Practical Art**School:** CACC

Emergency Medical Responder is designed to introduce you to emergency healthcare while preparing you to assist in the treatment of critical and noncritical patients requiring Emergency Medical Services. The curriculum meets the National Registry requirements for Emergency Medical Responders. This course includes advanced anatomy and physiology. You will develop the strong foundational medical knowledge required for medical care providers. In addition to emergency care of common body systems, you will also study the emergency patient care of communicable diseases, alcohol and drug abuse, childbirth and physical/sexual assault. You can earn CPR certification, gain the ability to conduct patient assessments, explore career pathways in EMS and general healthcare and learn how to overcome relevant medical and ethical dilemmas. Students will qualify to take the Emergency Medical Responder exam after completing the course and also have the opportunity to become a certified Basic Life Support

(BLS)/CPR provider for the American Heart Association. Every student will have an opportunity to advance personal and professional skills through participation in HOSA or SkillsUSA.

**Related:** PLTW Biomedical Sciences and Professions in Healthcare**Enrollment Note:** Course enrollment will begin with the 11th, followed by the 12th grade.**9265PA Advanced Emergency Services (Emergency Medical Technician)****Grade Level:** 12 **Credits:** 2 **Type:** Practical Art**School:** CACC

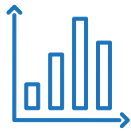
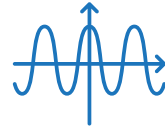
**Prerequisite:** Passing grades for both semesters (averaging 70% or higher) in Emergency Medical Responder, Family Care Safety Registry background check (social security card needed for FCSR check), influenza vaccine, drug test, discipline review for violence, insubordination, drugs and stealing. Preference is given to students with a record of strong attendance patterns. Prerequisites may vary depending on current industry standards for employment and access to healthcare facilities, including COVID vaccinations and TB testing.

Get ready to be in the back of an ambulance helping real patients! With a strong foundation of medical knowledge from the previous year, learn more advanced medical procedures with state-of-the-art equipment and up-to-date industry procedures and apply these skills in a clinical setting on real patients. In addition to emergency care of normal body systems, you will also study emergency care for communicable diseases, alcohol and drug abuse, childbirth, and physical/sexual assault while diving deeper into anatomy and physiology. At the end of this course, students will be eligible to take the national registry test to apply for a Missouri State License as an Emergency Medical Technician. With an EMT license, graduates may enter the medical profession as an ambulance EMT (required by all Missouri fire departments), emergency room technician or patient care technician in multiple hospital departments. Every student will have an opportunity to advance personal and professional skills through participation in HOSA or SkillsUSA.

**Related:** Students will need strong reading skills due to the postsecondary level of the content.**Health Education (HLT)****6550HE Health Education****Grade Level:** 9-12 **Credit:** .5 **Type:** Health Science**School:** BHS, DHS, HHS, RBHS

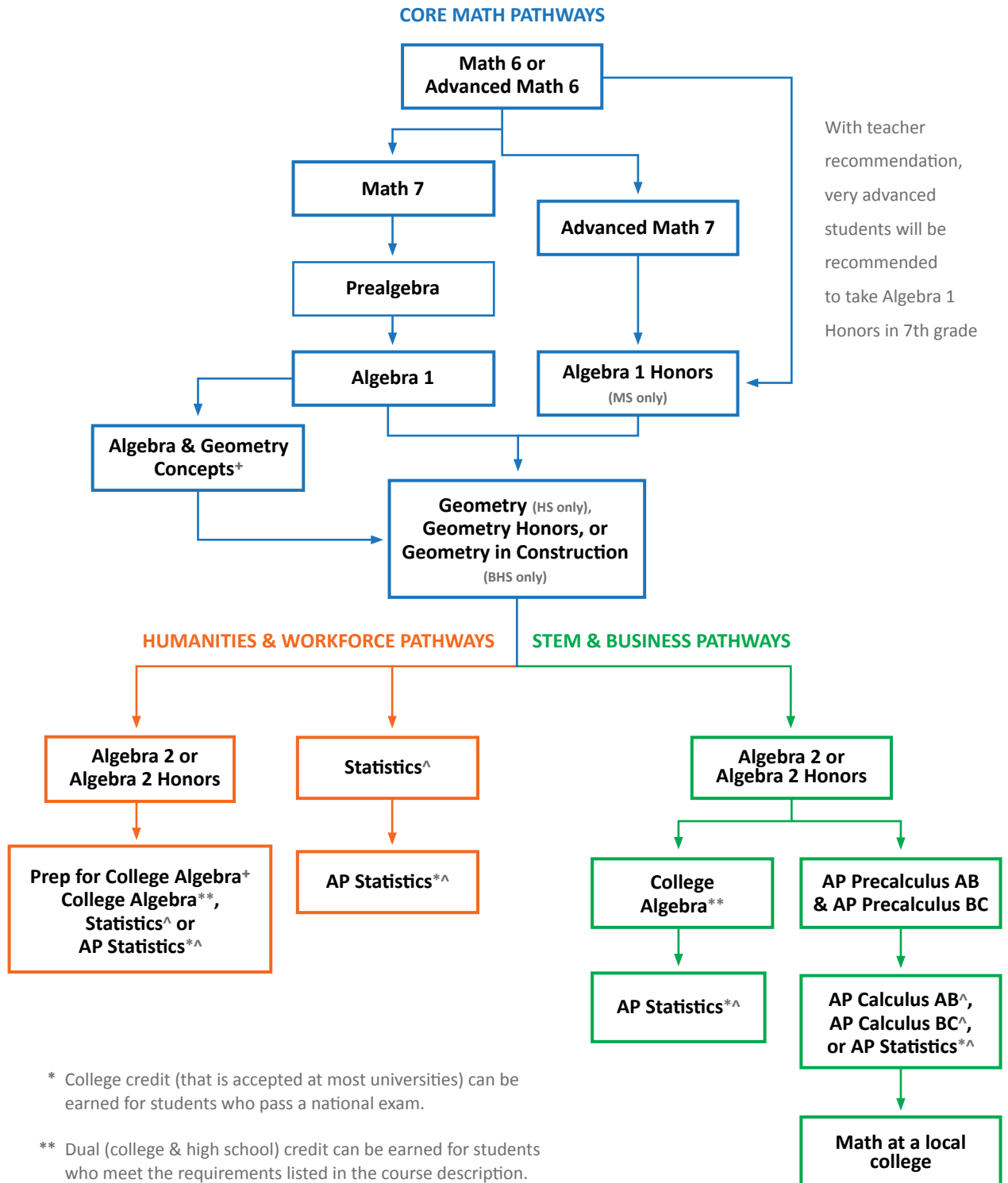
This course is designed to increase the skills necessary to live a long, healthy life. Topics include personal health behaviors, safety education, substance education, socioemotional health, sexuality education, nutrition concepts, disease prevention, and community/consumer health. Health skills such as decision making, goal setting, advocating, managing self, accessing reliable and valid information and communication will also be practiced and emphasized in this course.

# Mathematics Courses



# MATHEMATICS COURSE OFFERINGS

## COLUMBIA PUBLIC SCHOOLS 6–12TH GRADE



\* College credit (that is accepted at most universities) can be earned for students who pass a national exam.

\*\* Dual (college & high school) credit can be earned for students who meet the requirements listed in the course description.

^ Statistics or AP Statistics can be taken concurrently with College Algebra, Precalculus or Calculus.

+ Algebra & Geometry Concepts and Prep for College Algebra are bridge classes designed to help students who are struggling to build skills to be successful at the next level.



# Mathematics (MA)

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 only 3 credits of math are required for graduation, college-bound students should take 4. The Mathematical Practice Standards apply throughout each 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.

## 5617MA Algebra 1

### 5617MAO (Online) Algebra 1

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

Students will explore linear, exponential and quadratic functions in this course. They will create and solve equations, inequalities, and systems of equations involving these functions. Additionally, they will analyze data using statistical techniques. **NCAA Approved Course.**

## 5705MA Algebra and Geometry Concepts

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

This course is for students who need more exposure to Algebra 1 standards. Students in this class will work to close gaps, extend their understanding, and build fluency with algebraic concepts. Additionally, students will learn the vocabulary, notation, and other foundational concepts essential to success in Geometry

## 5651MA Geometry

### 5651MAO (Online) Geometry

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

In this course, students will deepen and extend their understanding of the geometric topics learned in middle school: transformations, congruence, similarity, area and volume, and probability. Students will learn to develop formal mathematical arguments (proofs). Students will also apply algebraic skills to geometric concepts. **NCAA Approved Course.**

## 5652MA Geometry Honors

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Math  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Algebra 1

This course will cover the same topics covered in 5651MA Geometry, but at a greater depth and breadth. Students should

expect to work at a quicker pace and independently more often. **NCAA Approved Course.**

## 0507NC Geometry in Construction blocked with Production Woodworking

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

### Geometry in Construction

This course covers all the standards covered in 5651MA Geometry, but in the context of a construction project. This contextual learning experience allows students to see a variety of geometry concepts used in a real-world setting.

### 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 combines all Geometry standards and Production Woodworking standards through relevant and interactive projects.

**Note:** Students will be enrolled in two courses and receive both a Math and Practical Arts credit.

## 5710MA Algebra 2

### 5710MAO (Online) Algebra 2

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

Students will deepen and extend their understanding of the topics learned in Algebra 1 to include polynomial, rational, radical, exponential and logarithmic functions. Additionally, they will take an introductory look at sampling distributions and the normal distribution. (TI-84 graphing calculators are used in this class.) **NCAA Approved Course.**

## 5720MA Algebra 2 Honors

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

This course will cover the same topics covered in 5710MA Algebra 2, but at a greater depth and breadth. Students should expect to work at a quicker pace and independently more often. (TI-84 graphing calculators are used in this class.) **NCAA Approved Course.**

**5722MA Statistics****5722MAO (Online) Statistics**

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

This is a survey level course to prepare students who intend to take a Statistics course in their post-secondary studies, or for students who enjoy working with data and using data to make decisions. This course will introduce four broad topics: descriptive statistics, study design, probability, and statistical inference with an emphasis on simulation. (TI-84 Graphing calculators are used in this class.) **NCAA Approved Course.**

**5730MA Preparation for College Algebra**

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

This course is designed to prepare students to take an Algebra based course in their post-secondary studies. Preparation for College Algebra is designed to provide additional experiences in Algebra 1 and 2 topics. The course includes the study of linear, quadratic, polynomial, exponential, radical and rational functions including inequalities, their graphs, and systems of equations. (TI-84 graphing calculators are used in this class.) **NCAA Approved Course.**

**5735MA College Algebra**

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

College Algebra is the course required for many undergraduate college degrees in the STEM or Business pathway. This course will include, but not be limited to, the study of linear, quadratic, exponential, logarithmic and polynomial functions, inequalities, systems of linear equations, and complex numbers. Students who are successful in this course can receive 3 hours of college credit\* for a fee\*\* and a math credit for Columbia Public Schools. (Scientific calculators – not graphing, are used for this course) **NCAA Approved Course.**

**College Dual Credit:** Dual Credit will be available with a Missouri university for those who qualify. Students must have a 3.0 GPA and a Math sub score of 22 on the ACT to be eligible for college credit.

**Note:** Scholarships are available to students who qualify for free and reduced lunch.

**5740MAO (Online) Trigonometry**

**Grade Level:** 11, 12 **Credit:** .5 **Type:** Math  
**School:** CPS Online  
**Prerequisite:** Algebra 2

In this SEMESTER online course students use their geometry and algebra skills to begin their study of trigonometry. 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 AP Precalculus AB**

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Math  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Algebra 2

Precalculus is designed for the college bound student interested in a career in a STEM or Business pathway. The course includes the study of functions, trigonometry, analytic geometry and other advanced topics. Success in this course depends on a strong background in Algebra 2. Upon successful completion of this course, a student should be prepared to enroll in a Calculus course. (TI-84 graphing calculators are used in this class.) **NCAA Approved Course.**

**Note:** At the completion of the course, students may elect to take the AP exam to potentially earn college credit.

**5780MAO (Online) Precalculus**

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Math  
**School:** CPS Online  
**Prerequisite:** Algebra 2

Precalculus is designed for the college bound student interested in a career in a STEM or Business pathway. The course includes the study of functions, trigonometry, analytic geometry and other advanced topics. Success in this course depends on a strong background in Algebra 2. Upon successful completion of this course, a student should be prepared to enroll in a Calculus course. (TI-84 graphing calculators are used in this class.) **NCAA Approved Course.**

**5782MA AP Precalculus BC**

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Math  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Algebra 2 or Algebra 2 Honors

This course will cover the same topics covered in 5780MA Precalculus, but at a greater depth and breadth. Additional topics covered include limits, series, and mathematical induction. Additional emphasis is placed on formal proof and theory. Students should expect to work at a quicker pace and independently more often. Success in this course depends on a strong background in Algebra 2 and a sincere desire to study mathematics. (TI-84 graphing calculators are used in this class.) **NCAA Approved Course.**

**Note:** At the completion of the course, students may elect to take the AP exam to potentially earn college credit.

**5905MA AP Statistics****5905MAO (Online) AP Statistics****Grade Level:** 11, 12 **Credit:** 1 **Type:** Math**School:** BHS, HHS, RBHS, CPS Online**Prerequisite:** Algebra 2

AP Statistics is designed to prepare students for success on the AP examination in statistics. Students 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 formal statistical inference. This class is writing intensive. 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. (TI-84 graphing calculators are used in this class.) At the completion of the course, students may elect to take the AP exam to potentially earn college credit. **NCAA Approved Course.**

**Note:** This class may be taken concurrently with College Algebra, AP Calculus or Precalculus.

**5910MA AP Calculus AB****5910MAO (Online) AP Calculus AB****Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Math**School:** BHS, HHS, RBHS, CPS Online**Prerequisite:** Precalculus or Precalculus Honors

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. Satisfactory completion of the course and the AP examination will provide students with credit for Calculus I at cooperating universities. (TI-84 graphing calculators are used in this course.) At the completion of the course, students may elect to take the AP exam to potentially earn college credit. **NCAA Approved Course.**

**5920MA AP Calculus BC****Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Math**School:** BHS, HHS, RBHS**Prerequisite:** Precalculus or Precalculus Honors

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 5910MA AP Calculus AB along with the following additional topics: improper integrals, infinite series, convergence/divergence of series, and parametric, polar, and vector functions. Success in this course depends on a strong background in Precalculus, the ability to keep up with a brisk pace, and a sincere desire to study mathematics. Satisfactory completion of the course and the AP examination will provide students with credit for Calculus I and Calculus II at cooperating

universities. (TI-84 graphing calculators are used in this class.) At the completion of the course, students may elect to take the AP exam to potentially earn college credit. **NCAA Approved Course.**



# Physical Education Courses



# Physical Education (PE)

All Physical Education courses will be grounded in the Columbia Public Schools' non-discrimination statement, therefore, will not discriminate on the basis of race, color, religion, gender identity, gender expression, sex, sexual orientation, national origin, ancestry, disability, or age. In addition, the Health and Physical Education Department will uphold the values, policies, and practices that promote cultural competence. We will accept, embrace, and empower students and staff in their individual identities to establish and sustain human dignity, justice, equitable treatment, and inclusiveness in the classroom and workplace.

## TEAM SPORTS

### 1809PE1/PE2 Team Sports 9

**Grade Level:** 9 **Credit:** .5 **Type:** PE  
**School:** BHS, HHS, RBHS

This entry-level course focuses on the participation in traditional and non-traditional team sports and fitness activities as a vehicle to promote life-long wellness. Students will acquire sport-specific skills and knowledge through various activities including common American team sports, as well as unique, international team sports and activities. In addition, general fitness improvement in flexibility, muscular strength and cardiovascular conditioning through various activities will be emphasized and assessed. This course will also encourage and foster the development of positive attitudes toward physical fitness, increase communication skills through teamwork and participation, and increase fitness knowledge to lead to better individual health and well-being.

### 1851PE1/PE2 Team Sports 10-12

**Grade Level:** 10-12 **Credit:** .5 **Type:** PE  
**School:** BHS, HHS, RBHS, DHS

This course is designed for individuals who have a desire to keep physically fit and active through the participation of and skill acquisition of team sports. Sport-specific skills such as offensive and defensive tactics, passing and receiving, volleying and striking, kicking, teamwork, communication and other motor and movement skills will be assessed. These skills will be practiced and assessed through common American team sports, as well as unique, international team sports such as: volleyball, softball, variations of football, flashball, basketball variations, speedball, team handball, striking sports (baseball/softball/wiffle ball), ultimate frisbee, and other combination games. In addition, general fitness improvement in flexibility, muscular strength and cardiovascular conditioning through various activities will be emphasized and assessed. This course will also encourage and foster the development of positive attitudes toward physical fitness, increase communication skills through teamwork and participation, and increase fitness knowledge to lead to better individual health and well-being.

## LIFETIME AND LEISURE ACTIVITIES

### 1810PE1/PE2 Lifetime Activities 9

**Grade Level:** 9 **Credit:** .5 **Type:** PE  
**School:** BHS, HHS, RBHS

This entry-level course promotes an appreciation of lifelong fitness through various recreational and leisure activities. Students will acquire activity-specific skills and knowledge through a variety of individual and dual activities, outdoor pursuits, yard games, and leisure activities such as: pickleball, badminton, tennis, disc golf, basic archery, basic angler education, basic orienteering, cornhole, bocce, spikeball, dance (world, hip hop, folk, jazz, modern/social, square, line), and various aerobic and anaerobic workouts. This course will also increase personal and social behavior skills, and help students recognize the value of physical activity and how participation leads to better individual health and well-being.

### 1815PE1/PE2 Outdoor Education

**Grade Level:** 9-12 **Credit:** .5 **Type:** PE  
**School:** BHS, HHS, RBHS

This course will promote an appreciation of lifelong outdoor pursuits and activities. Students will acquire activity-specific skills and knowledge through a variety of activities such as: archery, advanced orienteering/GPS, hunter education/safety, advanced angler education, outdoor survival skills, paddle activities, backpacking/hiking, camping, and various other conservation and safety activities. Through this course, students will also develop leadership, communication, problem-solving, critical-thinking, decision-making, and teamwork skills.

## GENERAL FITNESS

### 1855PE1/PE2 Innovative Fitness

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** PE  
**School:** BHS, HHS, RBHS

This course is for individuals who want to improve or maintain their body composition through muscular endurance, strength, flexibility and cardiorespiratory 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. Instructors will also incorporate exercise equipment such as; hand weights, BOSU balls, stability balls, medicine balls, resistance bands, weighted bars, yoga blocks, and mats.

### 1890PE1/PE2 Walking for Fitness

**Grade Level:** 9,10, 11, 12 **Credit:** .5 **Type:** PE  
**School:** BHS, HHS, RBHS

This class will allow students to improve their health through fitness walking and tracking with a heart rate monitor. Students

will be expected to walk up to 4 miles (16 laps) per day.

**Note:** 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, and will follow the CPS Weather Guidelines.**

### 1895PE1/PE2 Yoga & Mindfulness

**Grade Level:** 10, 11, 12 **Credit:** .5 **Type:** PE  
**School:** BHS, HHS, RBHS

This course is designed to safely introduce students to the yoga poses, breathing techniques, mindfulness and relaxation. Students will be introduced to a variety of different types of yoga sequences. These flows will help to build whole body strength and flexibility. The aim of this course is to help students connect the physical and physiological benefits of yoga to the mental and emotional health benefits.

## AQUATICS

### 1870PE1/PE2 Beginning Swimming

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** PE  
**School:** BHS, HHS, RBHS

This course is designed for 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 such as water polo, kingpin, slap ball, water basketball, aqua volleyball, nuke'um, 4 square aqua volleyball, 4 square nuke'um, sharks and minnows, octopus, and water baseball.

**Note:** Students will travel to HHS for this course.

### 1875PE Advanced Swimming

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **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.**

**Note:** Students will travel to HHS for this course.

## STRENGTH TRAINING AND CONDITIONING

### 1835PE1 Strength Training & Conditioning A (Semester 1)

### 1835PE2 Strength Training & Conditioning A (Semester 2)

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 or 1 **Type:** PE  
**School:** BHS, HHS, RBHS

This course is designed to encourage and promote 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.

### 1820PE1 Strength Training & Conditioning B (Semester 1)

### 1820PE2 Strength Training & Conditioning B (Semester 2)

**Grade Level:** 10, 11, 12 **Credit:** .5 or 1 **Type:** PE  
**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.

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

### 1830PE1 Advanced Strength Training & Conditioning (Semester 1)

### 1830PE2 Advanced Strength Training & Conditioning (Semester 2)

**Grade Level:** 10, 11, 12 **Credit:** .5 or 1 **Type:** PE  
**School:** BHS, HHS, RBHS

**Prerequisite:** Successful completion of either Strength Training & Conditioning A or B; or Consent of Instructor

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

### 1825PE1/PE2 Zero Hour Strength Training & Conditioning

### 1825PE Zero Hour Strength Training & Conditioning (all year)

**Grade Level:** 10, 11, 12 **Credit:** .5 or 1 **Type:** PE  
**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 approximately one hour before school begins. Students must provide their own transportation.**

**Note:** 9th graders may take this course with consent of the instructor.

## 1826PE1/PE2 Zero Hour Advanced Strength Training & Conditioning

### 1826PE Zero Hour Advanced Strength Training & Conditioning (all year)

**Grade Level:** 10, 11, 12 **Credit:** .5 or 1 **Type:** PE

**School:** BHS, HHS, RBHS

**Prerequisite:** Consent of Instructor

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. **This course will meet daily approximately one hour before school begins. Students must provide their own transportation.**

**Note:** This course is for students who have successfully completed at least one semester of Strength Training and Conditioning.

## ONLINE PHYSICAL EDUCATION

### 1810PEO (Online) Physical Education 1 – Lifetime Fitness

**Grade Level:** 10, 11, 12 **Credit:** .5 **Type:** PE

**School:** CPS Online

Online PE 1 is an alternative to face-to-face physical education. This course combines comprehensive online instruction with student participation in fitness activities using a required fitness log. Throughout this course, students assess individual fitness levels according to the five components of physical fitness: cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition. Through the application of personal fitness assessments, students will design a fitness program to meet their individual fitness goals. Upon completion of this course, students will have the knowledge to stay fit and active throughout their lifetime. Areas to be explored include: safe exercising and injury prevention; cardiovascular health; muscular strength and endurance; flexibility; nutrition; lifetime fitness; consumer product evaluation; biomechanical principles; team and individual sports; and stress management.

**Note:** This course is not available to incoming 9th graders.

### 1810PE2O (Online) Physical Education 2

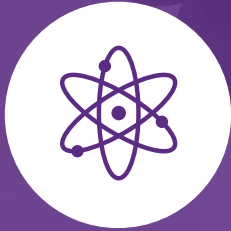
**Grade Level:** 10, 11, 12 **Credit:** .5 **Type:** PE

**School:** CPS Online

Online PE 2 is an extension of Online PE 1. To enroll in this class students must have completed and passed Online PE 1. There are two mandatory attendance days at the beginning and end of the class. This course will build on the assignments and activities completed in Online PE 1. Students will use a heart monitor to monitor activity and fitness. They will have freedom to choose activities they are interested in while increasing their own fitness. The heart monitors will be their check to maintain a fitness level during workouts. Students must be comfortable using this technology and the accompanying app on their laptop as this is how heart-

rate activity is graded by the instructor. Additionally, reliable Internet access must be available daily at home or another location to access the fitness-tracking website. Students are required to use their CPS student email account to communicate with the instructor. Additionally, the assignments explore nutrition, strength training, aerobic, anaerobic, and fitness principles to enhance a healthy lifestyle. Students should have access to their final project in Online PE 1 and to their pre- and post- fitness scores from Online PE 1.

**Note:** This course is not available to incoming 9th graders.



## Science Courses





# Science (SC)

## 6607PS Physics 1

### 6607PSO (Online) Physics 1

**Grade Level:** 9 **Credit:** 1 **Type:** Physical Science  
**School:** BHS, HHS, RBHS, DHS, CPS Online

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. **NCAA Approved Course.**

## 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. **NCAA Approved Course.**

## 6610BS Biology

### 6610BSO (Online) Biology

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Biological Science  
**School:** BHS, HHS, RBHS, DHS, 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. **NCAA Approved Course.**

## 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. **NCAA Approved Course.**

## 6613BS Kinesiology

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Biological Science  
**School:** BHS, RBHS  
**Prerequisite:** Biology and Physics 1

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. **NCAA Approved Course.**

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

## 6614BS Exercise Physiology

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Biological Science  
**School:** HHS  
**Prerequisite:** Biology

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. **NCAA Approved Course.**

## 6615BS Genetics

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Biological Science  
**School:** HHS  
**Prerequisite:** Biology

Genetics is an opportunity for juniors and seniors to explore a full year of genetics-related concepts above and beyond what was covered in biology. In general, the class will cover cell structures and functions, the genetics that guide those functions, and the disorders that occur when cells do not work properly. The course also goes into depth about human development from conception to age-related disorders that are genetically influenced (i.e. cancer, Alzheimer's, etc). The class is filled with current articles about genetic processes, biotechnology, and disorders. Genetics is taught through reading comprehension and writing centered around scientific texts. Students will be exposed to a variety of professions through the topics discussed in class. Genetics is a class for students who enjoy the challenge of discussion and interact with others about the multi-faceted topics of the human

genome. This class will be offered every other even numbered year, starting with the 2024-25 school year. Students wanting to take Genetics will have to plan ahead to make the course fit into their schedules. **NCAA Approved Course.**

### 6617BS Zoology

**Grade Level:** 11, 12 **Credit:** .5 **Type:** Biological Science

**School:** BHS, HHS, RBHS

**Prerequisite:** Biology

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.

**NCAA Approved Course.**

### 6620BS AP Biology

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

**School:** BHS, RBHS

**Prerequisite:** Biology & Chemistry

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<sup>®</sup> 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. At the completion of the course, students may elect to take the AP exam to potentially earn college credit. **NCAA Approved Course.**

### 6619BS AP Biology and AP Biology Laboratory

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

**School:** HHS

**Prerequisite:** Biology & Chemistry

AP Biology mirrors content and inquiry generally taught in a two-semester college introductory biology class including the required laboratory component of AP<sup>®</sup> 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<sup>®</sup> 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. At the completion of the course, students may elect to take the AP exam to potentially earn college credit.

**Note:** This 2-credit course will meet as a daily block and prepare students for the AP Biology<sup>®</sup> Exam.

### 6621BS Human Anatomy & Physiology

#### 6621BSO (Online) Human Anatomy & Physiology

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

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

**Prerequisite:** Biology and Chemistry (or currently enrolled in Chemistry)

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. **NCAA Approved Course.**

**Note:** Dissection is required in this course.

### 6622BS Human Anatomy & Physiology Honors

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

**School:** BHS, HHS, RBHS

**Prerequisite:** Biology and Chemistry (or currently enrolled in Chemistry)

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. **NCAA Approved Course.**

**Note:** Dissection is required in this course.

### 6623BS Microbiology

**Grade Level:** 11, 12 **Credit:** .5 **Type:** Biological Science

**School:** BHS, HHS, RBHS

**Prerequisite:** Biology

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. **NCAA Approved Course.**

## 6672PS Geology

**Grade Level:** 11, 12 **Credit:** 1 & College Dual Credit Option\*

**Type:** Physical Science

**School:** BHS

**Prerequisite:** Biology

Geology is a survey course focusing on the study of Earth's materials, forms, and processes. Topics covered include rock and mineral classifications, Earth's dynamic interior, and physical processes operating to shape Earth's landforms. This class is designed for non-science majors and is designed as a Core 42 course. Students who are successful in this course can receive 4 hours of college credit\* for a fee\*\* and a physical science credit for Columbia Public Schools. **NCAA Approved Course.**

\* **College Dual Credit:** Dual Credit will be available with a Missouri university for those who qualify. Students must have a 3.0 GPA and a Math sub score of 22 on the ACT to be eligible for college credit.

\*\* **Note:** Scholarships are available to students who qualify for free and reduced lunch.

## 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. **NCAA Approved Course.**

**Note:** 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 (Online) Environmental Science

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

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

**Prerequisite:** Biology

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. **NCAA Approved Course.**

**Note:** Students are expected to participate in fieldwork projects in Boone County to support classroom learning.

## 6631PS AP Environmental Science

### 6631PSO (Online) AP Environmental Science

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

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

**Prerequisite:** Biology

AP Environmental Science covers much of the same content as the Environmental Science class in addition to more advanced laboratory and field work. Specific units include Ecology, Biodiversity, Population Dynamics, Earth Systems & Resources, Land & Water Use, Energy Resources & Consumption, Air Pollution, Water and Land Pollution, and Sustainability. **NCAA Approved Course.**

**Note:** This course will prepare students for the Advanced Placement Environmental Science Exam.

## 6635PS Chemistry

### 6635PSO (Online) Chemistry

**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. **NCAA Approved Course.**

## 6636PS Chemistry Honors

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

**School:** BHS, HHS, RBHS

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

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. **NCAA Approved Course.**

## 6637PS AP Chemistry

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

**School:** BHS, HHS, RBHS

**Prerequisite:** Algebra 2 and Chemistry

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. At the completion of the course, students may elect to take the AP exam to potentially earn college credit. **NCAA Approved Course.**

### 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. **NCAA Approved Course.**

**Note:** A good working knowledge of algebra and some trigonometry is expected.

### 6640PS Astronomy

#### 6640PSO (Online) Astronomy

**Grade Level:** 11, 12 **Credit:** .5 **Type:** Physical Science  
**School:** RBHS, DHS, CPS Online

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:** .5 **Type:** Physical Science  
**School:** RBHS  
**Prerequisite:** Biology

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:** .5 **Type:** Physical Science, Earth Science  
**School:** BHS, HHS

Students in this course learn the scientific fundamentals of weather analysis and forecasting. They make observations, analyze data, conduct scientific investigations, 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.

### 6645PS Physics 2

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

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\* **Credit:** 1 **Type:** Physical Science  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Completion or concurrent enrollment in Algebra 2.

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. At the completion of the course, students may elect to take the AP exam to potentially earn college credit. **NCAA Approved Course.**

*\*or teacher recommendation*

### 6649PS AP Physics 2

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

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. At the completion of the course, students may elect to take the AP exam to potentially earn college credit. **NCAA Approved Course.**

### 6650PS AP Physics C: Mechanics

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

AP Physics C: Mechanics is a 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. At the completion of the course, students may elect to take the AP exam to potentially earn college credit. **NCAA Approved Course.**

### 6651PS AP Physics C: Electricity and Magnetism

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

AP Physics C: Electricity and Magnetism is a second-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 electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. At the completion of the course, students may elect to take the AP exam to potentially earn college credit. **NCAA Approved Course**

### 6670PS Forensic Science

#### 6670PSO (Online) Forensic Science

**Grade Level:** 11, 12 **Credit:** .5 **Type:** Biological or Physical Science  
**School:** BHS, CPS Online  
**Prerequisite:** Biology

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. **NCAA Approved Course.**

## 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 to real world design and engineering problems. Students first study bridges and bridge design. Students will use the online Bridge Designer program to create multiple bridge models.

Students will design, build, test and analyze their own truss bridge. In the flight unit, students learn the basic principles of flight. They will learn to operate a flight simulator with a flight yoke. Students will also construct a working model airplane. In the thermal house unit, students will team with the City of Columbia to test different insulating materials used in house design. Students will study heat transfer and conduct multiple labs with a final presentation of their work.

### 6643PS Urban Ecology

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **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 Robotics & Electronics

**Grade Level:** 9, 10, 11, 12 **Credit:** .5 **Type:** Physical Science  
**School:** DHS

In this course, students will learn basic robotics programming. Students will build a robot and program the motors, microphone, touch sensors and ultrasonic sensors. The final robotics challenge for students is to program the robot to successfully move through a maze using all of the sensors. In electronics, students will learn about resistance, current and voltage. They will use breadboards to build circuits with LEDs, capacitors, resistors, transistors, and 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 and 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.

**Note:** Spring Semesters: 1 physical science credit (Juniors and Seniors)

**6673BS EL Life Science**

**Grade Level:** 9,10,11,12 **Credit:** 1 **Type:** Biological Science

**School:** DHS

Students will be taught the fundamental concepts of cells, life processes, DNA, diversity of organisms, ecological relationships, and basic vertebrate and invertebrate biology. Models, concept maps and other organizers will be used to enhance understanding for our EL students.

**Note:** This course is an introductory level physical science course only available to EL students.

**6674PS EL Physical Science**

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

**School:** DHS

Students will learn basic physics including motion, energy, electricity and forces. Students will also learn general geology and basic chemistry. Models, concept maps and other organizers will be used to enhance understanding for our EL students.

**Note:** This course is an introductory level physical science course only available to EL students.

# Social Studies Courses



## Social Studies (SOC, MULTI)

### 4301GV Government

#### 4301GVO (Online) Government

**Grade Level:** 9 **Credit:** 1 (in-seat) .5 (online) **Type:** Government  
**School:** BHS, DHS, HHS, CPS Online

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, cultural, civic, and economic dimensions of governmental theory and practice. Students 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? **NCAA Approved Course.**

**Note:** Successful completion of at least one semester of this course, in conjunction with passing the district's US Constitution & American Civics Exam and MO Constitution Exam, satisfies the State of Missouri's civics education requirements for graduation.

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

### 4302GV Government Honors

**Grade Level:** 9 **Credit:** 1 **Type:** Government  
**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 essential for student success. **NCAA Approved Course.**

### 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.

**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. Students will work collaboratively within a large classroom environment. **NCAA Approved Course.**

### 0516NC AP United States Govt. & 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. **NCAA Approved Course.**

**Note:** 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

#### 4501WHO (Online) The Modern World

**Grade Level:** 10 **Credit:** 1 **Type:** World History  
**School:** BHS, DHS, HHS, CPS Online

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? **NCAA Approved Course.**

**Note:** 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.

### 4504WH AP World History: Modern

**School:** BHS, 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.



**Note:** 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: Modern/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. Students will work collaboratively within a large classroom environment.

**Note:** 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

#### 4601USO (Online) The Modern United States of America

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

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

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. **NCAA Approved Course.**

**Note:** 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.

### 4604US AP U.S. History

**School:** BHS, HHS

This Advanced Placement course is a comprehensive study of the major individuals, events, and ideas that comprise American history beginning in the 1400s, Pre-Columbian era. To be successful, students must demonstrate superior reading, writing, research, and critical thinking skills. **NCAA Approved Course.**

**Note:** After completion of the course, students may elect to take the College Board Advanced Placement US 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.

**Note:** After completion of the course, students may elect to take the College Board Advanced Placement US History and English Language and Composition Exams 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 (HHS & RBHS may take this course for a Language Arts Elective credit 2454LA)

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.

**Note:** This class requires a willingness to think critically and a commitment to read challenging material.

### 4705SS1 AP Government and Politics: U.S.

#### 4705SS2 AP Government and Politics: Comparative Politics

**Grade Level:** 11, 12 (9th grade at HHS) **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. **NCAA Approved Course.**

**Note:** After completion of the course, students may elect to take the College Board Advanced Placement US Government & Politics as well as Comparative Politics Exams to potentially earn college credit for their studies. Successful completion of 4706SS1, in conjunction with some independently contracted

work and passing the district's US Constitution Exam, MO Constitution Exam, and American Civics Exams 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

This year-long 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. **NCAA Approved Course.**

### 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. **NCAA Approved Course.**

**Note:** 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.

### 4811SS Psychology

#### 4811SSO (Online) Psychology

**Grade Level:** 11, 12 **Credit:** .5 **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. **NCAA Approved Course.**

**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 (Online) AP Psychology

**Grade Level:** 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. NCAA Approved Course.**

**Note:** 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.

### 4813SS Sociology

#### 4813SSO (Online) Sociology

**Grade Level:** 11, 12 **Credit:** .5 **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. **NCAA Approved Course.**

**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:** .5 **Type:** Social Studies\*  
(offered as an elective credit at BHS)  
**School:** HHS, \*RBHS, \*BHS

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 & RBHS.

### 4815SS American Popular Culture

**Grade Level:** 12 **Credit:** 1 at BHS; .5 credit semester course at HHS **Type:** Social Studies  
**School:** BHS, HHS

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.

### 4816SS World War II and the 20th Century

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

This year-long 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 theatres (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.

### 4800SS World Geography

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Social Studies  
Elective  
**School:** DHS

Students explore the geography of the world by region. There is an introductory unit that examines the concepts of latitude and longitude and global climate patterns. Then students will focus on select countries in North America, South America, Europe, the Middle East, Africa, Asia, and they will also examine Australia. The class is designed for English Language learners as well English-speaking students. The lessons are centered around visual presentations where students read out loud text while commenting on relevant images. Students also view short video clips showing natural areas, culture sites, traffic, historical overviews, and movie trailers. Students take guided notes, answer questions, and fill out analysis worksheets which focus on what is unique and/or similar in each location studied.

**Note:** Students will do several projects where they select and plan a vacation in detail in a google slide presentation.

### 4199SS Current Issues

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Social Studies  
Elective  
**School:** DHS

Students practice analyzing current events on mainstream media and keep a journal in OneNote. Students examine the conventions of journalism, basic geography, basic government, politics, misinformation, and press freedom. Students will make posters and web pages that share what they have learned. Students will analyze a few contemporary issues in depth and become familiar with the different points of view surrounding them.

**Note:** The class is designed for English Language learners as well English-speaking students.

# Student Volunteer Corps Courses



# Student Volunteer Corps (STUVC)

## 1410AD/MEN Advisory Mentor/Link Crew (BHS)

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Application and interview required

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 specific leadership skills.

## 1410PT Advisory Peer Tutor

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Elective  
**School:** RBHS  
**Prerequisite:** Application and interview required

Peer Tutors serve a key role in providing small group or one-on-one tutoring to support freshmen in their academic progress through the year. In addition, peer tutors aid the advisory program with orienting students to high school, teaching about the school community and culture and helping all students feel connected. Tutors are assigned to advisory classes to tutor and serve as a support to program presentations throughout the year.

**Note:** Students applying to be a Peer Tutor must have a minimum 3.0 GPA.

## 1410MEDIA Media Center Assistant

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Application and Library Media Specialist approval

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; and providing technical assistance to students, faculty, and staff.

**Note:** 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 Elementary Mentor/Tutor

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** RBHS  
**Prerequisite:** Application and interview required

Provides an opportunity for high school students to travel to Rock Bridge Elementary School (or another elementary school if available) to serve as a classroom tutor.

**Note:** 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.

## 1410NC A+ Tutoring

**Grade Level:** 10, 11, 12 **Credit:** 0 **Type:** N/A  
**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.

**Note:** Students work until 50 or more hours are completed.

## 1410OA Office Aide

**Grade Level:** 10,11,12 **Credit:** .25 per semester **Type:** Elective  
**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.

**Note:** Most days students will have time to study and work on homework as well.



# World Languages (WL)

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. **Dual credit may be offered for some upper-level World Language courses. Consult with your teacher for further information.**

**Courses with low enrollment may be housed at another high school. Transportation for students will be available to all CPS high school students for these courses.**

## 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.

### 3115WL French 1

#### 3115WLO (Online) French 1

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

In French I 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. **NCAA Approved Course.**

### 3120WL French 2

#### 3120WLO (Online) French 2

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS, CPS Online  
**Prerequisite:** French 1

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. **NCAA Approved Course.**

### 3130WL French 3

#### 3130WLO (Online) French 3

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS, CPS Online  
**Prerequisite:** French 2

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. **NCAA Approved Course.**

### 3140WL French 4

#### 3140WLO (Online) French 4

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS, CPS Online  
**Prerequisite:** French 3

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. **NCAA Approved Course.**

### 3150WL AP French Language and Culture/ French 5

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** French 4

This course further strengthens students' speaking, reading, writing and listening skills developed in French 4. Emphasis will be given to the discussion of cultural topics of interest in the French-speaking world. Students will also acquire an in-depth knowledge of French grammar and vocabulary. French 5/AP enrollees may choose to enroll directly as a dual-credit (university credit) student and/or prepare to sit the College Board AP French Language and Culture examination. This is a college-credit eligible course. **NCAA Approved Course.**

**Note:** This course is designed to prepare students for the College Board Advanced Placement examination in Language, but any student completing French 4 may continue their French study in this course.

### 3215WL German 1

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

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. **NCAA Approved Course.**

### 3220WL German 2

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** World Languages Center  
**Prerequisite:** German 1

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. **NCAA Approved Course.**

### 3230WL German 3

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Elective  
**School:** World Languages Center  
**Prerequisite:** German 2

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. **NCAA Approved Course.**

### 3240WL German 4

**Grade Level:** 12 **Credit:** 1 **Type:** Elective  
**School:** World Languages Center  
**Prerequisite:** German 3

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. **NCAA Approved Course.**

### 3315WL Japanese 1

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

In Japanese 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 geography, customs, traditions and culture of Japan are introduced. Students will begin two of the three sets of Japanese writing systems: hiragana and katakana. **NCAA Approved Course.**

### 3320WL Japanese 2

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** World Languages Center  
**Prerequisite:** Japanese 1

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. **NCAA Approved Course.**

### 3330WL Japanese 3

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Elective  
**School:** World Languages Center  
**Prerequisite:** Japanese 2

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. **NCAA Approved Course.**

### 3340WL Japanese 4

**Grade Level:** 12 **Credit:** 1 **Type:** Elective  
**School:** World Languages Center  
**Prerequisite:** Japanese 3

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. **NCAA Approved Course.**

### 3415WL Latin 1

#### 3415WLO (Online) Latin 1

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

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. **NCAA Approved Course.**

### 3420WL Latin 2

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

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. **NCAA Approved Course.**

### 3440WL Latin 3

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Latin 2

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 corresponding to the writers being studied will be highlighted. **NCAA Approved Course.**

### 3430WL Latin 4

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Latin 3

This course reviews the basic study of grammar and could be taken as Dual Credit with Missouri State University. 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 corresponding to the writers being studied will be highlighted. **NCAA Approved Course.**

### 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. **NCAA Approved Course.**

### 3520WL Mandarin 2

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** World Languages Center  
**Prerequisite:** Mandarin 1

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. **NCAA Approved Course.**

### 3530WL Mandarin 3

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** World Languages Center  
**Prerequisite:** Mandarin 2

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. **NCAA Approved Course.**

### 3540WL Mandarin 4

**Grade Level:** 11,12 **Credit:** 1 **Type:** Elective  
**School:** World Languages Center  
**Prerequisite:** Mandarin 3

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. **NCAA Approved Course.**

### 3615WL Spanish 1

#### 3615WLO (Online) Spanish 1

**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. **NCAA Approved Course.**

### 3620WL Spanish 2

#### 3620WLO (Online) Spanish 2

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS, CPS Online  
**Prerequisite:** Spanish 1

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. **NCAA Approved Course.**

### 3630WL Spanish 3

#### 3630WLO (Online) Spanish 3

**Grade Level:** 9, 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS, CPS Online  
**Prerequisite:** Spanish 2

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. **NCAA Approved Course.**

### 3640WL Spanish 4

**Grade Level:** 10, 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Spanish 3

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. **NCAA Approved Course.**

**College Dual Credit:** Dual Credit will be available with a Missouri university for those who qualify. Students must have a 3.0 GPA and a Math sub score of 22 on the ACT to be eligible for college credit.

### 3650WL AP Spanish Language and Culture

**Grade Level:** 11, 12 **Credit:** 1 **Type:** Elective  
**School:** BHS, HHS, RBHS  
**Prerequisite:** Spanish 4

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. **NCAA Approved Course.**

**College dual enrollment:** Successful completion of this course and the AP examination may allow the student to receive college credits and/or advanced standing.

**Note:** This course is designed to prepare students for the College Board Advanced Placement examination in Language.



## 2023 – 2024 SCHOOL YEAR

<b>Jan 15</b>	Martin Luther King, Jr. Day (School NOT in Session) '24
<b>Feb 16</b>	Teacher Work Day (School NOT in Session) '24
<b>Feb 19</b>	Presidents' Day (School NOT in Session) '24
<b>Mar 1</b>	Teacher Work Day (School NOT in Session) '24
<b>Mar 20</b>	Teacher Work Day (School NOT in Session) '24
<b>Mar 25 – 29</b>	Spring Recess (School NOT in Session) '24
<b>April 8</b>	Teacher Work Day (School NOT in Session) '24
<b>Apr 24</b>	Early Dismissal '24
<b>May 23</b>	Early Dismissal/Last Day of Classes '24
<b>May 27</b>	Memorial Day (School NOT in Session) '24
<b>May 30</b>	First Day of Summer School '24
<b>Jun 19</b>	Juneteenth (School NOT in Session) '24
<b>Jun 26</b>	Last Day of Summer School '24



DHS AM | RBHS PM

**Class of '24  
Graduation Dates**



HHS AM | BHS PM

## 2024 – 2025 SCHOOL YEAR

<b>Aug 20</b>	First Day of Classes '24
<b>Sep 2</b>	Labor Day (School NOT in Session) '24
<b>Oct 2 – 4</b>	Teacher Work Day (School NOT in Session) '24
<b>Nov 1 – 5</b>	Teacher Work Day (School NOT in Session) '24
<b>Nov 15</b>	Teacher Work Day (School NOT in Session) '24
<b>Nov 27 – 29</b>	Thanksgiving Recess (School NOT in Session) '24
<b>Dec 23 – Jan 2</b>	Winter Recess (School NOT in Session) '24 – '25
<b>Jan 3</b>	Teacher Work Day (School NOT in Session) '25
<b>Jan 20</b>	Martin Luther King, Jr. Day (School NOT in Session) '25
<b>Feb 14</b>	Teacher Work Day (School NOT in Session) '25
<b>Feb 17</b>	Presidents' Day (School NOT in Session) '25
<b>Feb 28</b>	Teacher Work Day (School NOT in Session) '25
<b>Mar 19</b>	Teacher Work Day (School NOT in Session) '25
<b>Mar 24 – 28</b>	Spring Recess (School NOT in Session) '25
<b>Apr 9</b>	Early Dismissal '25
<b>Apr 23</b>	Teacher Work Day (School NOT in Session) '25
<b>May 22</b>	Early Dismissal/Last Day of Classes '25
<b>May 26</b>	Memorial Day (School NOT in Session) '25
<b>Jun 2</b>	First Day of Summer School '25
<b>Jun 19</b>	Juneteenth (School NOT in Session) '25
<b>Jun 27</b>	Last Day of Summer School '25



DHS AM | BHS PM

**Class of '25  
Graduation Dates**



RBHS AM | HHS PM



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