



Brecksville-
Broadview Heights
City School District

BRECKSVILLE-BROADVIEW HEIGHTS HIGH SCHOOL

COURSE OPTIONS BOOK



2024-2025

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The mission of the Brecksville-Broadview Heights City School District is to inspire and prepare students to be lifelong learners, to be flexible in approaching opportunities for growth, and to be effective as well as ethical contributors to our global society.

Dear Students and Parents,

This Options Book is our way of sharing with you the courses and various educational programs/policies that students follow throughout their years at Brecksville-Broadview Heights High School. It is our best attempt at compiling all the current information so students and parents can plan appropriately for the next few years. And students: it should serve as a valuable resource as you plan and schedule for your high school years and beyond. Careful planning and thoughtful decision-making will make your high school experience positive as you build a solid educational foundation for the future. Special attention should be directed at the Course Planning Guide located on the last few pages of this booklet-it's a great planning tool. We are very proud of the comprehensive programming we are able to offer to each individual student. A variety of opportunities exist across the curriculum, from required courses in the core academics to electives in all areas of interest. You would be wise to select courses that we recommend: (1) fulfill graduation requirements, (2) best prepare you for your future, and (3) are areas of personal interest. If you have questions or concerns, please ask any staff member for assistance. We are here to serve you! I encourage you to get involved and take advantage of all facets of our school program. Enjoy your high school experience and best wishes for success at BBHHS. For your convenience, this document can also be found on the school's web page at www.bbhcsl.org.

Sincerely,

Kevin Jakub, Principal

Section I Table of Contents

General Information	4
■ <u>Planning Your Schedule</u>	
■ <u>School Counseling Services</u>	
■ <u>Course Changes</u>	
Guideposts Toward Education	5
■ <u>Course Load Requirements</u>	
■ <u>Required Subjects</u>	
■ <u>Four-Year Program Outline</u>	
■ <u>Prerequisites</u>	
■ <u>Diploma Seals</u>	
Academic Options	9
■ <u>Advanced Placement Options</u>	
■ <u>Career Center Enrollment</u>	
■ <u>Summer School</u>	
■ <u>Evening School</u>	
■ <u>Online Instruction</u>	
■ <u>Credit Flexibility</u>	
■ <u>College Credit Plus</u>	
■ <u>Limitations</u>	
■ <u>Requirements for Graduation and Commencement</u>	
■ <u>Early Graduation</u>	
■ <u>Naviance Portfolio/Pre-College Testing Programs</u>	
■ <u>State of Ohio Honors Diploma Criteria Notes</u>	
■ <u>Senior Information</u>	
■ <u>Cumulative Courses</u>	
■ <u>Non-Cumulative Courses</u>	
■ <u>Seal of Biliteracy</u>	
■ <u>Report Cards</u>	
■ <u>Cumulative Grade Point Average</u>	
■ <u>Course Withdrawal Policy</u>	
■ <u>Satisfactory/Unsatisfactory Option</u>	
■ <u>Athletic and Interscholastic Extracurricular Eligibility</u>	
■ <u>Honor Societies</u>	
■ <u>End-of-Course Exams</u>	
■ <u>Senior Internship Option</u>	
Special Services	17
■ <u>Career Development</u>	
■ <u>Programs of Study</u>	
■ <u>Media Center</u>	
■ <u>Health Services</u>	
Fee Schedule	18
■ <u>Fee Schedule Table</u>	

Section II Courses by Department

<u>Art Courses</u>	19
<u>Business Courses</u>	24
<u>Technology Education Courses</u>	27
<u>CVCC Courses</u>	30
<u>English Courses</u>	31
<u>Mathematics Courses</u>	40
<u>Music Courses</u>	46
<u>Physical Education & Health Courses</u>	49
<u>Science Courses</u>	51
<u>Social Studies Courses</u>	56
<u>SPS Career Planning</u>	64
<u>World Language Courses</u>	66

General Information

Planning Your Schedule

Planning your schedule for high school requires yearly self-appraisal. You must examine your interests and goals. Study the various curricular offerings and the prerequisites needed to undertake the next desired step in the educational process. Our curriculum is flexible in that a student may elect subjects from various departments. There should be a basic plan of related subjects that will provide a foundation for your projected post-high school goals.

Read the enclosed material carefully and thoughtfully. Your counselor, teachers, and parents will aid you in any way possible. To prepare for admission to any one of Ohio's public or private four-year colleges or universities, it is recommended that students meet the following minimum college-preparatory program:

- English 4 credits
- Mathematics 4 credits
- Social Studies 3 credits
- Science 3 credits (2 Lab Sciences)
- World Languages 2 credits*
- The Arts 1 credit**

*All students, beginning with the class of 2026, will be required to earn .5 credit in Financial Literacy in order to meet State of Ohio graduation requirements.

*Various colleges recommend additional world language preparation. Check with your guidance counselor and colleges/universities of your choice for additional information.

**Examples are Acting, Art, Humanities, Instrumental Music, Music Theory, Photography, Theatre, and Vocal Music.

Students who are hoping to complete a high school program, which will prepare them for the world of work upon graduation, should study the descriptions of the courses offered in the Business and Vocational/Technical Education Departments. Those whose plans are undecided are urged to study all offerings of the high school, to discuss alternatives with parents, teachers, friends, and other interested persons, and to seek assistance from the school counselors.

The requirements for admission to more selective colleges include more academic credits in each course of study than the minimum suggested. To be certain of the requirements of selective schools, contact your guidance counselor or the college or university. Many professional programs require more high school preparation in related areas. For example, to qualify for admission to an engineering program, it is advisable to have four years of college-preparatory math, chemistry, and physics. Talk with your counselor to be sure of other such programs.

Course offerings and class times will be subject to change pending the approval of the Board of Education.

School Counseling Services

School counseling services are an integral part of the Brecksville-Broadview Heights schools. Efforts are made by the staff to assist students in recognizing interests, capabilities, and achievements, and to make available pertinent information that will be of value in selecting courses.

The counselors periodically review each student's course selections, and, coupled with the recommendations of the staff, assist each student to meet graduation requirements and to formulate realistic goals.

Parent cooperation and participation is a vital part of the counseling program. Counselors invite and welcome parents throughout the year for conferences and especially during the registration period each year. The student or parent may make appointments with the student's counselor any school day during normal school hours (7:10 a.m. to 2:30 p.m.). If an appointment is desired, call the School Counseling Office secretary at 740-4721 or 740-4728.

Career Counseling Resources are available using this link:
<https://sites.google.com/bbhcsd.org/careerresources/home>

Course Changes

Planning a schedule for the next school year is a difficult task and situations may occur requiring a change in that schedule. These schedule changes, however, have a serious effect on class size, teacher assignments, and the overall master-schedule, and therefore, must be made sparingly. The student and parent are urged not to plan a program with the idea that it can be changed. Once a student selects his/her courses (verified by parents) the School Counseling Department will not initiate a schedule change unless a compelling educational reason exists.

After the close of the school year no changes will occur unless:

1. There is a technical error in the scheduling process.
2. It is clear that the student is academically misplaced.
3. There is a scheduling conflict.

Guideposts to Education

Course Load Requirements

A student should be aware of his/her personal progress each year, so graduation can be attained. In order to make satisfactory progress toward receiving a diploma, each student must be enrolled in a minimum of 5.25 credits per year. An average class load is between 5.50 and 6 credits per year. Students must schedule enough course credits to assure no more than one (1) study hall per day (excluding lab science study halls). Algebra I and Geometry taken at the middle school will count toward the 4 credits of math required for graduation. Students may receive one elective credit for a full year of the first year of a world language taken at the middle school. World language, Algebra I, and Physical Science that have been taken at the middle school are not part of the cumulative grade point average for high school. Honors Geometry will be calculated into the cumulative GPA.

MINIMUM REQUIREMENTS:	TOTAL UNITS OF CREDIT	
English 1, 2, 3, 4	4.00	credits
Social Studies	3.00	credits
1 credit of U.S. History		
1 credit of World History		
.50 credit of U.S. Government		
.50 credit of Macro-Economics (includes Financial Literacy)		
Science	3.00	credits
1 credit of Physical Science		
1 credit of Biology		
Mathematics	4.00	credits
Must include 1 credit of Algebra 2		
Health	.50	credit
*Physical Education	.50	credit
.25 credit of PE 1		
.25 PE elective		
Electives:	6.00	credits
1 total credit in fine arts		
5 elective courses		
TOTAL	21.00	Credits

**Physical Education:*

Our school district has adopted a policy to excuse from the high school physical education requirement each student who, during high school, has participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons.

There can be no combination of PE class with a sport. Two different sports count. Students shall be required to complete one-half unit, consisting of at least 60 hours of instruction, in another course of study.

Required Subjects

Required subjects must be taken during the school year at Brecksville-Broadview Heights High School. Students who fail a required course during the school year should arrange to repeat the course in summer school, or online.

Four Year Program Outline

The four-year plan given below is provided for use by the students and parents in planning the four-year program of studies. Included are subjects that are required by the State of Ohio and the Brecksville-Broadview Heights Board of Education. Note that these are suggested minimum course loads and should only be used as a guide in your planning. Specific course selection and course loads should be determined by individual needs, abilities, and interests. (Note: Algebra I and World

Languages that are taken at the middle school will be granted credit but will not be calculated into the cumulative GPA. Honors Geometry will be calculated into the cumulative GPA.)

GRADE 9 English 1 1 Credit Math 1 Credit Physical Science 1 Credit World History 1 Credit Physical Education 1 .25 Credit Health .50 Credit * Electives 2 to 4 Credits	GRADE 10 English 2 1 Credit Math 1 Credit Biology 1 Credit U.S. History 1 Credit Physical Education .25 Credit * Electives 2 to 4 Credits
GRADE 11 English 3 1 Credit Math 1 Credit Science 1 Credit *Electives 2 to 4 Credits	GRADE 12 English 4 1 Credit U.S. Government .50 Credit Economics .50 Credit Math 1 credit *Electives 3.5 to 4 Credits

* Must include 1 credit of fine arts sometime in 4 years.

Prerequisites

In order to enroll in any course, a student must meet the requirements (prerequisites) for admission to that course. These are included in the description of the course.

Diploma Seals

State Recognized Diploma Seals	
<u>Citizenship Seal</u>	<u>Industry Recognized Credential</u>
<u>College Readiness Seal</u>	<u>Military Enlistment Seal</u>
<u>Honors Diploma Seal</u>	<u>Technology Seal</u>
<u>Science Seal</u>	<u>Ohio Means Jobs Seal</u>
<u>Seal of Biliteracy</u>	

Locally Recognized Diploma Seals (descriptions below)
Community Service Seal
Fine & Performing Arts Seal
Student Engagement Seal

COMMUNITY SERVICE SEAL- 40 hours of community service over 4 years. It is recommended that students meet this total by completing 10 hours each year of high school.

- A student pursuing this seal must have a plan pre-approved by his/her school counselor. The plan will describe:
 - What the student will do for community service and where.
 - Contact information and signature from someone at the organization agreeing to the community service hours
 - A minimum of 5 hours at any one place of service.
- Students pursuing this seal will track their own hours and obtain their own signatures.
- A completed service hours form is due by April 1st of the student's senior year.

FINE AND PERFORMING ARTS SEAL- 4 high school credits in the fine and/or performing arts.

- See the courses under ART and MUSIC in the Course Registration Guide for a list of credits that count for this seal.
- Fine Arts credits earned through College Credit Plus and Independent Study (with transcribed credit) or transferred in from other high schools also qualify.
- Many BBHHS fine arts courses are 0.5 credits each. Students pursuing this seal must keep this in mind.

STUDENT ENGAGEMENT SEAL- Active participation in at least the equivalent of TWO

Brecksville-Broadview Heights High School extracurricular activities each year of high school (List available in handbook and counseling office).

- Extracurriculars include clubs, sports, leadership groups for which the student does NOT earn academic credit.
- Active participation is described as a minimum of 80% attendance, active involvement, as well as the completion of the activity's duration (an entire school year for many).
- A student pursuing this seal must obtain signatures from the activity's adviser, coach, etc.. as verification of active participation.

Tracking/signature forms for each of these seals can be obtained in the school counseling office.

Academic Options

Advanced Placement Courses

Advanced Placement (AP) courses are part of a program of college-level courses and exams that give high school students the opportunity to receive credit and/or advanced placement in college. Students enrolling in AP courses should expect to develop analytical reasoning skills and study the subject matter in great depth. Approval for enrolling will be based on student ability, past performance, counselor and/or teacher recommendation, and prerequisite courses. Because of the difficulty of these courses and the time demands involved, grades of "A", "B", or "C", on a student's report cards will receive extra weight in the computation of the grade point average. Students are required to take the AP exam in the spring. The test costs approximately \$94. Based on the score of the exam, college credit may be earned. ("A" = 5 points, "B" = 4 points, "C" = 3 points, "D" = 1 point, and "F" = 0 point). AP weight will be assigned to the GPA upon completion of the AP exams.

For information about specific colleges' / universities' credit plans, google search "AP credit policies."

Career Center Enrollment

The Cuyahoga Valley Career Center program is an extension of Brecksville-Broadview Heights High School. Students who wish to enroll in a two-year program at the Career Center must submit their applications during January of their sophomore year. These applications will be reviewed by the Guidance Department and the placement of students in the various programs will be determined. Students accepted into a Career Center program continue to attend Brecksville-Broadview Heights High School for part of their school day.

Students must attend the Career Center when it is in session even though Brecksville-Broadview Heights High School is not. Brecksville-Broadview Heights High School must be attended when it is in session even though CVCC is not in session.

Most of the career and technical programs are two years in length. Students may enter for one year, but it is preferred that students continue toward completing the entire two-year program. A complete listing of career and technical course offerings can be found in this Options Book.

Sophomores and/or juniors who are interested will find complete course descriptions pertaining to the programs offered at the Cuyahoga Valley Career Center in the High School Programs booklet provided by the career center as well as this Options Book. A brief description of each of the programs may be found throughout this booklet along with the sample Program of Study for each program. If there are additional questions, see your guidance counselor.

Summer School

A student may earn no more than two remedial credits per year in summer school. "A maximum student load shall be no more than one new unit per summer, with a maximum of four such units counting toward graduation," in compliance with the State of Ohio minimum standards. The Principal of Brecksville-Broadview Heights High School or his designee must approve enrollment in any summer school program. This option may be limited to online courses only.

Evening School

No pupil enrolled full-time in Brecksville-Broadview Heights High School shall be permitted to earn credit in evening high school classes except under prior written permission, granted by the Principal or his designee. Availability may be limited.

Online Instruction

One potential option for students to earn credit for core coursework that they have failed is through select online credit recovery programs. Courses are available at student/parent's expense. For students who are not successful in the typical schooling offerings, BBHCSD offers an online program. See your counselor for further details.

Credit Flexibility

Credit Flexibility enables students to earn high school credit based on the demonstration of subject competency. Students may complete coursework, test out of a course, or pursue educational options. Please see the [proposal process](#) on the web site or discuss this option with your counselor. Deadlines are August 1 (for fall), November 1 (for spring), and March 1 (for summer).

Credit Flexibility Guidelines

College Credit Plus

College Credit Plus (CCP), provides free full and part-time college credit to secondary school students who meet the admission requirements of a partnering college. Students that choose this option are enrolled in high school and college. Any student interested in this program should contact his/her guidance counselor before February 1st for application information. Students must select a 15 or 30 semester hour career pathway which will be determined in cooperation with local colleges. Students and parents must attend a mandatory virtual evening counseling session if they are interested in the program for the following year. If you can't attend virtually, please contact the counseling office. All of the information regarding the College Credit Plus program is available on the web site.

BBHHS is excited to partner with Cuyahoga Community College to bring other college credit opportunities to our campus. For next year, College Composition I and II, College Algebra, and Calculus III will be offered along with possibly Organic Chemistry.

Limitations

To determine the number of credit hours a student can take in a year, BBHCSD must calculate the following credit limit:

30 – (high school only credits x 3) = Maximum number of College Credit Plus credit hours

Students may only take a maximum of 120 credit hours in the program.

If students would like to take more than the maximum number of credit hours, BBHCSD will pay the tuition, and the family would be responsible for paying the difference.

Most colleges define this through two tests: [ACT or Accuplacer](#).

- **Step 1:** Attend an information session hosted by the district, or by your high school (not all high schools host their own CCP information night).
- **Step 2:** Turn in your letter of intent to your high school counselor.
- **Step 3:** Determine the test scores. ACT and SAT are typically accepted at all partner schools, some partners will also provide an Accuplacer exam once you have applied to be part of their College Credit Plus program.
- **Step 4:** Discuss your course selection with your high school counselor and college academic advisor to find courses that meet high school graduation requirements and set you up for college success.
- **Step 5:** Build both a high school and college schedule.

Requirements for Graduation and Commencement

The State of Ohio and the Brecksville-Broadview Heights Board of Education have prescribed minimum requirements for a diploma. Students not meeting the minimum course requirements will NOT be permitted to participate in commencement exercises. Currently, 21 credits are required to graduate.

Early Graduation

Students who desire to graduate from Brecksville-Broadview Heights High School in three or three and one-half years must submit a letter of intent from their parents. Application forms are available in the Guidance Office. This letter of intent must be submitted during the sophomore year. The counselors will work closely with students and parents to develop a program, which is in compliance with the standards for graduation set forth by the State of Ohio and the Brecksville-Broadview Heights Board of Education.

Naviance Portfolio / Pre-College Testing Program

All students will be asked to develop and complete an online portfolio beginning in their Freshman year. As part of the process, students will develop a resume and a list of appropriate professional references in Naviance. Throughout their years at the high school, students are encouraged to collect other appropriate documents to enhance their portfolio. Awards, certificates, samples of work, a transcript, and letters of recommendation may be scanned, saved, and viewed in their Naviance document library. When students present their portfolio during an employment, scholarship, or college interview, they are providing college admissions officers or potential employers with a solid representation of their interests, abilities, and career plans.

We feel it is important to help guide our students through testing experiences that will familiarize them with both types of the national pre-college testing programs, the ACT, and the College Board's SATs. There are preliminary versions of both, and through the first three years of high school, on a designated Test Day, we will administer these standardized tests to prepare our students. The goal is to ready students in the junior year, usually for the fall PSAT, and later the junior year, usually for the fall PSAT, and later the junior year, the ACT and/or SAT. Students should reference the ACT College Readiness standards at www.act.org/standard.

State of Ohio Honors Diploma Criteria Notes

Academic Honors Diploma	
Math	4 Units
Science	4 Units including 2 units of advanced science
Social Studies	4 Units
World Languages	3 Units of one World Language or No less than 2 Units of each World Language studied
Fine Arts	1 Unit
GPA	3.5 on a 4.0 Scale
ACT/SAT	ACT: 27 or higher / SAT: 1280 or higher

Guidance from ODE on the Academic Honors

To be eligible, students must complete units, or credits, in specific subjects (see above chart). They can use Advanced Placement, International Baccalaureate, [College Credit Plus](#) and [Credit Flexibility](#) coursework to meet the unit requirements of an honors diploma. A single course can meet multiple criteria if it fits under multiple subject areas.

Students also can design their own independent study courses. This requires that someone with proper licensure in the subject area must teach or co-teach the courses used for an honors diploma.

Math – Students must take algebra I, geometry, algebra II (or equivalent), and one other higher level course OR a four-course sequence that contains equivalent or higher content.

Science – Advanced science refers to courses that are inquiry based with laboratory experiences. They must align with the grades 11/12 standards (or above) or with an Advanced Placement science course or entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany or astronomy).

Social Studies – Students may get credit for both an American history course and/or the Advanced Placement or International Baccalaureate American history course (same for government and world history). If a district counts financial literacy as a social studies course, students can use it as an elective to meet the requirement. If the district counts financial literacy as a family consumer science or business education elective, it does not count.

World Language – Only credits from courses that are sequential and proficiency based (e.g., Spanish levels I, II, III or German I and II and French I and II) fulfill the honors diploma requirement. Sequential classical (e.g., Latin, Ancient Greek) and visual (e.g., American Sign Language) languages DO fulfill the honors diploma requirement. No units from language courses coded as “Foreign Language Exploratory” can count toward the honors diploma requirement. No units from culture-based courses can count toward the honors diploma requirements.

If a student opts to complete this criterion by taking *two units each of two world languages studied*, a student must complete a total of four world language units. This means two sequential, proficiency-based units in two different languages.

Fine Arts – Courses taken in middle school may meet the general graduation requirement of two semesters of fine arts, but a course must count for high school credit (be high school level work or above) to count for the honors diploma. Dance, drama/theatre, music and visual art courses all count as fine arts courses.

GPA – GPAs must be calculated on an unweighted 4.0 scale.

ACT and SAT score requirements – Students must have scores of 27 or higher on the ACT or 1280 or higher on the SAT or their equivalents on previous or future versions of the tests. The ACT writing and SAT essay sections are not included. Students can use a superscore on the ACT or SAT to meet the requirement scores.

Senior Information

Each 12th grader is required to complete the paperwork necessary for graduation. Important activities for this take place in mid-September of the senior year. Our counselors will present key information in all senior English classes. Seniors will need to: fill out and sign the Petition Form for Graduation, and Honors Diploma Worksheet which will go to their counselors for final review; know the action steps they must begin taking to become admitted to a college, apprenticeship, military position, or other post-graduation plans; and, become familiar with the electronic tool Naviance, which is a system for managing most of the applications and planning. A Transcript Release Form must be signed for almost any plan for after graduation. All families have the option of meeting with their counselors individually.

Cumulative Courses

Cumulative courses may be passed for the year even if the first semester is failed provided the second semester's work is passed with a sufficiently high grade to average passing for the year. CUMULATIVE COURSES CANNOT BE PASSED FOR THE YEAR IF THE SECOND SEMESTER IS FAILED. Examples of cumulative courses are World Languages, Chemistry, Music, and Mathematics.

Non-Cumulative Courses

The following YEAR courses, if failed for a semester, must have the SAME SEMESTER'S WORK made up in order for credit to be earned for that semester. These courses are:

- English 1, 2, 3, 4
- Physical Science
- World History Biology
- U.S. History Environmental Science

Seal of Biliteracy

The Seal of Biliteracy is an award attached to the high school transcript to recognize students who have attained proficiency in English and one or more other world languages by high school graduation. All students are eligible who can demonstrate proficiency on a validated measure as determined by the State. See your school counselor or World Language teacher for details.

Report Cards

The school year consists of two semesters. Each semester is divided into two nine-week grading periods for reporting pupil progress to parents. Gradebook access is available to parents and students and includes options for setting up alerts for missing assignments. Report cards will be posted electronically through Gradebook.

Cumulative Grade Point Average (GPA)

The cumulative grade point average (GPA) is based on a 4.00 scale on SEMESTER AVERAGE GRADES ONLY. Subjects not considered in the GPA are all assistant programs, Physical Education elective courses, and Satisfactory/Unsatisfactory courses. Merit Roll equals a 3.00-3.74 GPA and Honor Roll equals a 3.75 or above GPA. A grade of D, U, or WF precludes a student's being included on Merit and Honor Roll.

BBHHS Grading Scale				
Letter	Percent	Point Value	Honors Point	AP Point
A	100 - 92	4.0	4.5	5.0
A-	91.9 - 90	3.7	4.2	4.7
B+	89.9 - 87	3.3	3.8	4.3
B	86.9 - 83	3.0	3.5	4.0
B-	82.9 - 80	2.7	3.2	3.7
C+	79.9 - 77	2.3	2.8	3.3
C	76.9 - 73	2.0	2.5	3.0
C-	72.9 - 70	1.7	2.2	2.7
D+	69.9 - 67	1.3	1.3	1.3
D	66.9 - 64	1.0	1.0	1.0
D-	63.9 - 60	0.7	0.7	0.7
F	59.9 & below	0.0	0.0	0.0

Course Withdrawal Policy

Course Change Forms are available in the Guidance Office and, although used sparingly, may result in a withdrawal from a course if it is approved. Student, teacher, counselor, and parent sections must be completed for a course withdrawal to be considered. Schedule changes for reasons other than technical errors, conflicts, inappropriate placement, or other legitimate educational reasons will not be considered.

In order for a subject to be removed completely from the transcript, a student must withdraw within a time limit prescribed as follows:

- Semester courses sixth through the sixteenth day
- Year courses sixth through thirty-sixth day

If a student withdraws from a subject after the prescribed time limit, a "WF" (Withdraw-Failing) will appear on the report card and transcript regardless of the grade earned at the time of withdrawal. The "WF" grade will continue to be a part of the student's grade point average.

Course changes involving adding courses are recommended only up to the 1st interim. PE additions are allowed only up to the first 2 weeks of the semester.

Satisfactory/Unsatisfactory Option

The “S/U” option is the opportunity given to a junior or senior to select one (1) unit of credit or less in non-required subjects for credit each year in which the grade will be either “Satisfactory” or “Unsatisfactory”. In addition, any student in grades 10-12 may take an additional S/U option for a music course, excluding music theory and music appreciation. “Satisfactory” (S) will require a “C” or higher for credit; this translates into an average of at least 73%. An average below 73% will result in an “Unsatisfactory” (U). This option is not available for honors or advanced placement courses.

“Satisfactory or Unsatisfactory” credit will be included in the total credits being taken by the student, but will not be figured into the grade point average or class rank. Therefore, the “S/U” option does not figure into the GPA to determine a student’s eligibility; however, it will count toward the 5-credit course requirement that also determines eligibility.

The student’s declaration for “S/U” must be made prior to the end of September for the first semester or year-long courses and the applications must be approved by the student’s counselor and Assistant Principal. During the second semester, students have the first ten school days to select this option.

Applications are available in the Guidance Office.

Athletic and Interscholastic Extracurricular Eligibility

Students are required to maintain a minimum grade point average of 1.5 in order to be eligible to participate in any interscholastic extracurricular activity (grades 7-12) within the Brecksville-Broadview Heights City School District. The grade point average of each grading period (quarter grades) will be used to determine eligibility. The eligibility of a student will continue until the grades are released to the athletic office, at which time the grades from the immediately preceding grading period become effective.

EXCEPTION: Eligibility or ineligibility for the first grading period commences with the start of the fall sports season.

Summer school grades earned may not be used to recalculate a student’s GPA from the last grading period of the regular school year.

Additionally, eligibility requirements for participating in athletic programs must conform to the policies, rules/regulations, and limitations outlined by the Ohio High School Athletic Association. Specifically, during the preceding grading period, the student must have received passing grades in a minimum of FIVE one-credit courses or the equivalent, which count toward graduation. Please keep in mind that Physical Education courses are .25 credit for a semester which does not fulfill the requirement.

Because NCAA eligibility requirements are subject to change, it is imperative that students interested in collegiate athletics (seniors and/or their parents) consult with their respective guidance counselor about the NCAA application process. If students know freshman year that they may be Division I or II athletes, they need to communicate that to their guidance counselor so adequate planning can take place.

Honors Societies

Students must have a 3.6 overall grade point average to be considered for the National Honor Society. Students who enroll in the basic or general level courses shall not be eligible for membership in the National Honor Society.

The following courses are considered general level courses for NHS eligibility purposes: Reading, Physical Science, Biology, Algebra 1 Blocked, Geometry Block, Trigonometry/Math Applications.

Students at BBHHS are fortunate to have opportunities to join the National Art Honor Society, Tri-M Music Honorary, National Vocational Technical Honor Society, and Quill & Scroll Honor Society.

End-of-Course Exams

Students will take the Ohio Department of Education sanctioned end of course exams in 7 areas: Algebra I, Geometry, American History, English 1, 2, Biology, and American Government. Students studying Advanced Placement (AP) courses in American history or American government may take assessments aligned to those courses in lieu of end-of-course exams to avoid double testing. A student who earned high school credit in any of the above courses before July 1, 2014, automatically will receive a score of three points per course exam toward the total points needed for graduation.

Students must also meet one of the following three:

1. Earn a cumulative passing score on seven end-of-course exams. The scores will be set by the State Board of Education.
2. Earn a “remediation-free” score on a nationally recognized college admission exam such as the ACT or SAT. The State of Ohio will pay for all 11th-grade students to take the exam free of charge.
3. Earn a State Board of Education-approved, industry-recognized credential, or a state-issued license for practice in a career and achieve a score that demonstrates workforce readiness and employability on a job skills assessment.

Senior Internship Option

Senior Internship Option is an opportunity for students to participate in an independent study project during the last three weeks of senior year. Seniors can pursue practical educational experiences of interest to them. The work must be voluntary and there may be no monetary or other compensation. The time required for the project must meet or exceed thirty hours per week.

Other requirements include:

1. The student must design a program that will enable him or her to pursue professional interests in an educational and practical way-it should be related to the student’s career path.
2. The student must arrange for a community advisor to sponsor a daily work experience during the project period of three weeks. It is recommended that an immediate relative not be chosen as community sponsors; the student must see their assistant principal or the principal to discuss the additional requirements for such cases.
3. The student must arrange for a school (faculty) advisor to provide guidance, feedback, and assure student accountability regarding fulfillment of the project guideline requirements.
4. The student must meet the minimum requirements listed below.

5. The student must complete the preliminary application form and return it to their assistant principal within the deadline.
6. The student will receive a mark of "S" (Satisfactory) or "U" (Unsatisfactory) upon completion of the symposium presentation. This mark will appear on the student's transcript listed under Senior Internship Option.
7. If at any time, either the faculty advisor or the community advisor determines that the minimum expectations for the Senior Internship are not being met, the student will be dropped from the program and will be required to attend school for the remainder of the school year.
8. For specific questions, contact a building administrator.

Student Requirements and Responsibilities for the Senior Internship Option:

The following requirements must be met to be eligible to participate in and/or complete the Senior Internship Option:

1. Three days or less of excused absences for the fourth quarter up to the day of departure. (Excluding field trips or college visits.)
2. "C" or better grade in all courses regardless of whether they are necessary for graduation.
3. Passing grades for all courses for the third marking period (precludes the senior student from taking final exams).
4. A completed Naviance portfolio.
5. No In-School Assignments or Out of School Suspensions.
6. No Saturday Schools (including those assigned for excessive tardies).
7. No outstanding obligations including fees and/or fines.

Special Services

Career Development

Naviance is a comprehensive system for students and families to use to make plans about colleges and careers. The guidance office uses Naviance to track and analyze data about college and career plans by providing up-to-date information that's specific to our school. Naviance is also the mechanism by which we share information with students and families about upcoming meetings and events, local scholarship and volunteer opportunities, and other resources for college and career information.

Family Connection within Naviance allows our students to:

- Get involved in the planning and advising process – Build a resume, complete online surveys, and manage timelines and deadlines for making decisions about colleges and careers.
- Research colleges – Compare GPA, standardized test scores, and other statistics to actual historical data from our school for students who have applied and been admitted in the past.
- Research careers – Research hundreds of careers and career clusters, and take career assessments.
- Create plans for the future – Create goals and to-dos, and complete tasks assigned by the school to better prepare your student for future college and career goals.

Programs of Study

Within each department or subject area, you will find a Program of Study listed. The Program of Study is designed to provide a “road map” for the student. It shows how a student can meet Ohio high school graduation requirements and still take elective courses in a career area of interest. Each Program of Study shows grades 9-12 course requirements and electives, related organization/activities suggestions, and postsecondary options ranging from entry-level career options to two or four-year degree options.

Media Center

The mission of the Media Center is to ensure that students and staff members are effective users of information and technology. This mission is accomplished by providing access to materials in all formats, by providing instruction to foster competence and stimulate interest in reading, viewing, and using information and ideas, and by collaborating with the educational staff to design learning strategies to meet the needs of the individual students. Access to the Media Center web page at <http://www.bbhcsc.org/high/media> is a gateway to linking all of the media resources. Home use passwords and specific web addresses are available on a reference sheet that is available in the media center. Additionally, the media center circulates a variety of audiovisual and technology equipment to both students and staff. A professional library media specialist and support staff are available to students and staff each day.

Health Services

A registered nurse and nurse aide are available at the high school. The school nurse and aide work closely with parents, school personnel, students, doctors, and other members of the community. Each school year students must submit emergency medical authorizations. This information is entered by parents/guardians in an online format where the information can be linked to siblings. These must be updated when there is a change of address, phone number, or physician information. First aid and emergency care are provided for the students during the school day. The school nurse does not dispense any medications, except when necessary in accordance with the Board of Education policy on school personnel administering drugs prescribed by physicians.

Fee Schedule

This minimum fee schedule, or any part thereof, is subject to change upon the approval of the Board of Education. In addition, all students are required to pay the following fees:

Fee Schedule Table	
General Fee: \$70.00	AP Research/Seminar: \$145.00
Chromebook Insurance Premium: \$30.00	Extracurricular Participation fee: <i>Check the Pay to Participate Fees that are annually reviewed.</i>
Advanced Placement Exam Fee: \$97.00	

*Fees Subject to Board Action for the 2024-2025 School Year. Posted Fee Schedule reflects currently adopted Fee Schedule.

Course Descriptions by Department

Art Courses

Art Foundations 2D - ART2HS00AD

Course Number: ART2HS00AD

Course Length: Semester

Credits: 0.5 - NCAA Eligible (pending) & NHS Eligible

Open To: freshmen, sophomores, juniors, & seniors

This course is an introductory level Art class that will place emphasis on two-dimensional art skills and media, while also introducing students to the elements and principles of Art and Design. Students will learn about and experience the creative process. Projects may include a variety of drawing techniques such as digital illustration, virtual reality creations, colored pencil work, basic perspective, observational drawing, pen and ink, printmaking, mixed media collage, oil and chalk pastel. This foundation course is strongly recommended for those students who wish to continue study in any of the other Art offerings.

Prerequisite: None

Art Foundations 3D - ART3HS00AD

Course Number: ART3HS00AD

Course Length: Semester

Credits: 0.5 - NCAA Eligible (pending) & NHS Eligible

Open To: freshmen, sophomores, juniors, & seniors

This course is an introductory level Art class that will place emphasis on three-dimensional art skills and media, while also introducing students to the elements and principles of Art and Design. Students will learn about and experience the creative process primarily through a variety of sculptural media. Projects will include clay, paper mache, wire, and mixed media sculpture. This foundation course is strongly recommended for those students who wish to continue study in any of the other Art offerings.

Prerequisite: None

Graphic Design - GRDSHS00AD

Course Number: GRDSHS00AD

Course Length: semester

Credits: .5- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

This course is an introduction to the field of Graphic Design. Students will learn the basics of the industry-standard software: Adobe Illustrator and Procreate. Projects may include digital illustration, branding and logo design, poster design, infographic, and cover art. Highly recommended for students interested in working for various school publications such as HyBreeze and the Yearbook.

Prerequisite: none

Ceramics - CERMHS00AD

Course Number: CERMHS00AD

Course Length: semester

Credits: .5- NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, seniors

Students will create functional and sculptural ceramic pieces. They will learn hand-building techniques including pinch pot, coil building, slab and mold construction. They will then explore finishing techniques including sgraffito, underglaze painting, and glazing. This course will also discuss the history of ceramics, and its role in various ancient cultures and contemporary ceramic artists.

Prerequisite: None

Photography I - PHT1HS00AD

Course Number: PHT1HS00AD

Course Length: semester

Credit: .5- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

This introductory course is designed to give students experiences with the creative and technical aspects of both digital and darkroom photography. Students will create striking images through an emphasis on composition principles, manipulation of camera settings to achieve specific results, digital editing and manipulation in Adobe Photoshop, as well as traditional darkroom practices. Students are required to take photographs for assignments both in and out of class. Some units of study will include the history of photography, photograms, photojournalism, and commercial photography. This course is recommended for students interested in developing skills for a hobby or career in photography. Digital cameras available in limited quantities through the Art department or students may use their own. A field trip is included.

Prerequisite: none

Photography 2 - PHT2HS00AD

Course Number: PHT2HS00AD

Course Length: semester

Credit: .5- NCAA Eligible & NHS Eligible

Open to: freshmen, sophomores, juniors, seniors

This intermediate level course expands upon the basic digital and darkroom skills and techniques learned in Photo 1. An emphasis on more experimental photography techniques will be explored, and the use of a film camera will also be introduced. Students are required to take photographs for assignments both in and out of class. Some units of study will include studio lighting, double exposure, painting with developer, and levitation photography. Digital and film cameras available in limited quantities through the Art department or students may use their own. This course is required for students who intend to continue onto AP Photo. A field trip is included.

Prerequisite: Photography 1

Intermediate Art 2D - ARI2HS00AD

Course Number: ARI2HS00AD

Course Length: Semester

Credits: 0.5 - NCAA Eligible (pending) & NHS Eligible

Open To: freshmen, sophomores, juniors, & seniors

This course will give students the opportunity to expand upon skills learned in Art Foundations 2D. Students will be encouraged to apply realistic, abstract, and non-objective concepts to drawing, painting, and printmaking. Attention will be given to composition principles and technical control. Projects may include digital illustration, watercolor painting, acrylic painting, printmaking, colored pencil, and experimental techniques.

Prerequisite: Art Foundations 2D

Intermediate Art 3D - ARI3HS00AD

Course Number: ARI3HS00AD

Course Length: Semester

Credits: 0.5 - NCAA Eligible (pending) & NHS Eligible

Open To: freshmen, sophomores, juniors, & seniors

This ceramics focused course will introduce wheel throwing and reinforce the sculptural and mixed media concepts learned in Art Foundations 3D. There will be an emphasis on the creative process of visual thinking and problem-solving. Students will have the opportunity to further three-dimensional skills through application of realistic, abstract and non-objective concepts to sculpture and ceramics, with attention on composition principles and technical control. This course is required for students who intend to continue onto AP 3D Art.

Prerequisite: Art Foundations 3D or Ceramics

Honors Advanced Art - ARTAHS00HN

Course Number: ARTAHS00HN

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: juniors, seniors

This year-long course will give students the opportunity to master skills and expand their comprehension of media potential while being challenged with problems of increased complexity. Students will have in-depth studies of media and design relating to drawing, painting, ceramics, or sculpture and printmaking. Experimental and independent research of techniques and concepts is required. Students will begin to build their portfolios that may be used in AP Art.

Prerequisite: Intermediate Art 2D or Intermediate Art 3D, or recommendation of an art teacher

AP Studio Art: Drawing - ARTDHS00AP

Course Number: ARTDHS00AP

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, & seniors

The drawing portfolio is designed to address a broad interpretation of drawing issues and media. Line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark-making are drawing issues that will be addressed. Students will work with a variety of media which can include painting, printmaking, mixed media, and drawing-based digital works. Summer assignments will be given to help students begin their visual research. Submission of an AP Portfolio in Drawing will be required upon completion of course. Sketchbooks will be provided but students may be asked to purchase additional materials specific to their concentrations.

Prerequisite: Advanced Art in addition to art teacher recommendation

AP Studio Art - 2D Design - ART2HS00AP

Course Number: ART2HS00AP

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, & seniors

This class is intended to address a broad interpretation of two-dimensional design issues. This type of design involves purposeful decision making about how to use the Elements and Principles of Art in an integrative way. For this portfolio, students are asked to demonstrate proficiency in 2D in a variety of art forms. These could include but are not limited to graphic design, typography, digital illustration, photography, collage, painting, printmaking, etc. Submission of an AP Portfolio in 2D will be required upon completion of course. Sketchbooks will be provided but students may be asked to purchase additional materials specific to their concentrations.

Prerequisite: Advanced Art, in addition to art teacher recommendation

AP Studio Art - 3D Design - ART3HS00AP

Course Number: ART3HS00AP

Course Length: year

Credits: 1.0- NCAA Eligible (pending) & NHS Eligible

Open To: sophomores, juniors, & seniors

AP 3D Art is designed to challenge students in an advanced level of artistic development and technical proficiency. This course is the highest level of achievement for students interested in the areas of ceramics and sculpture. Students in this course are required to submit a portfolio that represents a body of 3-dimensional work. Students should consider how materials, processes, and ideas can be used to synthesize works of art that involve space and form. Submission of an AP Portfolio in 3D will be required upon completion of course. Sketchbooks will be provided but students may be asked to purchase additional materials specific to their concentrations.

Prerequisite: Foundations 3D, Intermediate 3D, Ceramics, in addition to Art teacher recommendation

AP Photography - ARTPHS00AP

Course Number: ARTPHS00AP

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: juniors and seniors

AP Photography is for students who are interested in submitting an AP 2D Art & Design portfolio to earn college credit. During this class you will develop mastery of techniques, concepts, composition and execution of ideas, as you further explore the medium of photography and digital media. You will be introduced to new photographers and more sophisticated and experimental techniques while further exploring the Elements and Principles of Design. Portfolios include works of art and design, process documentation, and written information about the work presented. Digital and film cameras are available in limited quantities through the Art department or students may use their own.

Prerequisite: Photography 1 & 2

AP Art History - ARTHHS00AP

Course Number: ARTHHS00AP

Course Length: year

Credits: 1.00- NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, and seniors

The AP Art History course explores such topics as the nature of art, its uses, its meanings, art-making, and responses to art. Through investigations of diverse artistic traditions of cultures from prehistory to the present, the course fosters an in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing an understanding of individual works and interconnections of art-making processes and products throughout history.

Prerequisites: None

Recommended: Humanities or other studio art courses

Independent Studies in Art - ARTIHS00AD

Course Number: ARTIHS00AD

Drawing 2, Graphic Design 2, Ceramics 2, Painting 2

Course Length: semester

Credits: .5- NCAA Eligible & NHS Eligible

Open To: juniors, seniors

Any semester art course can be repeated for credit as an independent study to further explore the media and to extend skills and knowledge. Each student will research and create a plan in cooperation with the teacher, outlining procedures, and assessments for the successful completion of this course. For a class fee, the student and teacher will determine the scope of the study and the cost of materials needed to complete the plan. There are no guarantees that space will become available.

Prerequisite: A grade of an "A" or "B" in the previous course AND the attending art teacher's approval following the official drop/add period.

Art Lab Assistant - ARA1HS00AD/ARA2HS00AD

Course Number: ARA1HS00AD/ARA2HS00AD

Course Length: semester

Credits: .25- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

The Art Lab Assistant will help prepare and organize supplies from one class to the next, help pass out and retrieve materials, and assist with overall classroom maintenance. Students are selected for this position based on familiarity with art room processes and can therefore be helpful in a variety of ways.

Prerequisite: Approval by an Art Instructor

Graded: Satisfactory/Unsatisfactory only

Business Courses

Financial Literacy - FINLHS00AD

Course Number: FINLHS00AD

Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible - requirement for high school graduation

Open To: juniors, seniors

Financial literacy is now a requirement for high school graduation in The State of Ohio. Financial literacy is a class where you will learn things that you can put to use in your life right now, and in the near future. The content covered in financial literacy has immediate implications for high school students as you begin to make large financial decisions such as purchasing cars, signing contracts for places to live or taking out loans to continue your education. The goal of financial literacy instruction is to provide you with the knowledge you'll need to make a lifetime of informed financial decisions. This course prepares you to understand financial literacy concepts and helps you to become a savvy consumer who can avoid scams, prepares you to make sound financial decisions, provides an overview of different types of insurance and how insurance protects individuals, explains how to create budgets and plan for unexpected expenses and provides an introduction to investing.

Business Fundamentals - BUSFHS00AD

Course Number: BUSFHS00AD

Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Are you interested in starting your own business someday? Or, maybe you just want to learn more about the business world in general (because, after all, you will have a job someday). Then sign up for Business Fundamentals. In this course, which is very popular with your peers, you will explore topics such as Economic Systems and Economic Activity, International Business, Social Responsibility of Business and Government, types of Business Organizations, and Entrepreneurship and Small Business Management. Highlights include speakers, a group international business project, and tips for all aspects of completing a job search.

Prerequisite: None

Consumer Business - BUSCHS00AD

Course Number: BUSCHS00AD

Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Did you see that commercial? Why is that company selling that? Why did I buy that thing? Businesses are all about attracting consumers to their products. In Consumer Business, we explore the foundation of marketing and analyze how companies spend money to attract customers. We also look at ways that businesses streamline their operations to produce goods and services in a profitable way, and study risks associated with operating a business. Ultimately, this is a business elective that is worth your time, and one you will not want to pass up.

Prerequisite: None (Can be taken before Business Fundamentals.)

Accounting 1 - ACC1HS00AD

Course Number: ACC1HS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, seniors

Do you plan to major in a business-related field in college, or possibly start your own business someday? If not, you surely plan to get a job at some point in your life. Enrolling in Accounting must become a priority. Although it is not an AP course, this course mirrors any college's Principles of Accounting course and is taught by a former accountant, both of which will give you a tremendous advantage. You will learn the procedures and theory of double-entry accounting as it applies to a Sole Proprietorship as well as Corporations. In addition, students will also integrate the usage of Microsoft Excel into preparing and designing financial statements. Accounting is "the language of business" – so why not learn a new language?

Prerequisite: None

Accounting 2 - ACC2HS00AD

Course Number: ACC2HS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: juniors, seniors

A continuation of Accounting 1. This course goes beyond basic accounting procedures and considers the theory and interpretation of financial records, cost analysis, and management accounting. The purchase of a workbook is required.

Prerequisite: Accounting 1

Computer Applications - CMPAHS00AD

Course Number: COMAHS00AD

Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Are you looking for a course that will give you the skills to make your high school years easier? Then Computer Applications is a must! In this course, you will learn how to format a research paper using the MLA format (you will be completing a research paper in your English 3 and English 4 courses junior and senior year – so you'll be ahead of the game). You will learn to use formulas in spreadsheets (Microsoft Excel) and insert charts of your data (could be helpful in your science courses). In addition, you will learn the basics of databases (Progress Book is a database) using Microsoft Access. And finally, let us teach you how to put together that perfect PowerPoint Presentation. Everyone needs to enhance their skill in all of the aforementioned areas – so sign up now.

Prerequisite: None

Advanced Computer Applications - CPAAHS00AD

Course Number: CPAAHS00AD

Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

This course will introduce and integrate the data processing features of Microsoft Office. Students will use advanced features of Microsoft Word for data processing, Excel for spreadsheet analysis, Access for Database management, and PowerPoint for multi-media presentations. Students will also use Microsoft Word to link Excel, Access, and PowerPoint objects to each other and to a web page design.

Prerequisite: Computer Applications

AP Computer Science Principles - CMPSHS00AP

Course Number: CMPSHS00AP

Course Length: year

Credit: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem-solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

AP Computer Science A - CMPSHS00AP

Course Number: CMPSHS00AP

Course Length: year

Credit: 1.0 - NCAA Eligible & NHS Eligible

Open To: all

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

Business Law - BSLWHS00AD

Course Number: BSLWHS00AD

Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible

Open To: juniors, seniors

What's a contract? I own what? Where does it say that? I OBJECT, YOUR HONOR? Business Law is a great class for gaining a valuable understanding of our legal system in the United States. It's a must for anyone considering a business major in college. We study REAL situations that you will encounter in both your personal lives and professional careers. Highlights of this class include on-line activities, projects, contract negotiations, mock trials, and more. Please invest time in this elective so that you understand the law.

Prerequisite: None

Technology Education Courses

Tech Assistant - TEC1HS00AD/TEC2HS00AD

Course Number: TEC1HS00AD Sem. 1 / TEC2HS00AD Sem. 2

Course Length: semester

Credits: .25 - NCAA Eligible & NHS Eligible

Open To: juniors, seniors

The technology education assistant program is designed to provide advanced practical experience in tool use, problem-solving, and to aid the technology teacher and assist other students. Depending on the class you are assisting your experience could vary but you will be given the opportunity to expand what you know by assisting others and completing special projects.

Prerequisite: approval by the department head

Graded: S/U Only

Woodworking 1 - WOD1HS00AD

Course Number: WOD1HS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, and seniors

Woodworking 1 is for the beginning student who may have little or no experience. This course will focus on students learning the fundamentals of woodworking so students can eventually build high-quality projects on their own. Areas of study will include safety and the proper use of power equipment, identifying various woods, figuring board feet, types of fasteners, glues, and finishes. Students will be given assigned projects for the entire year.

Prerequisite: None

Woodworking 2 - WOD2HS00AD

Course Number: WOD2HS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, and seniors

This course places emphasis on advanced skill and knowledge in machine and tool use. Theoretical and practical experience in woodworking is studied. Each student will select, design, and construct original projects.

Prerequisite: Woodworking 1

Engineering CAD 1 - CAD1HS00AD

Course Number: 6520

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, and seniors

Interested in designing and building? Here is where to start! Engineering CAD 1 is an entry level course in engineering and the latest version of both 2D and 3D CAD (Computer-Aided Drafting & Design) software. The purpose of this course is to expose students to the basics of many areas of engineering, develop problem solving skills and learn to solve problems using the design process. Students will start the year learning the 2D drafting software AutoCAD to design two class projects. Then students will transition to the 3D modeling software Fusion 360 to take the next two projects to the next level. Over the course of the year the four projects students will complete include bridges, earthquake towers, planes and maglev.

Prerequisite: None

Engineering CAD 2 - CAD2HS00AD

Course Number: CAD2HS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, seniors

Engineering CAD 2 is for the experienced engineering student who has taken Engineering CAD 1. The purpose of this course is to continue exploring engineering, architecture, design, problem solving and use of CAD software. CAD 2 builds upon what is learned in CAD 1 as students become more proficient in 3D modeling using Fusion 360 and learn the architecture design software Revit. CAD 2 continues the quarterly project format from CAD 1 that includes Sumo cars, Architecture & Construction, 3D printing, C02 Cars and more.

Prerequisite: Engineering CAD 1

Engineering Design Team - EDSTHS00AD

Course Number: EDSTHS00AD

Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible

Open To: juniors, seniors

This course allows you to further develop knowledge from Engineering CAD I & II. Students are able to work together in smaller groups to solve problems as a design team. The format of this class mimics the design teams students will experience at the college level or in future careers. It is up to the student with help from the instructor to pick a real world design project, design a solution, build and then test and evaluate the students idea.

Fabrication & Design - FABDHS00AD

Course Number: FABDHS00AD

Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

This course is designed for every student in the school that has the desire to design and create. Students will be trained on all machines in the Fabrication lab, and use them to create the projects of their design. Equipment used includes Laser Engraver, 3D Printers and Scanners, large format printer, vinyl cutter, as well as the DTG (direct to garment) T-Shirt Printer. Students rotate through four rotations using all machines to create two projects in each rotation. All products produced in class are the students' to keep.

Drone Technology - DRNTHS00AD

Course Number: DRNTHS00AD

Course Length: semester

Credits: .5

Open To: freshmen, sophomores, juniors, seniors

This course is an overview of unmanned aircraft, known as drones, that includes history, trends, capabilities and performance, uses and career opportunities. Students will undergo ground school, where they learn the key content about drones. Students will also learn to pilot a drone, in class, during flight school. The drone will be used as a tool to take photos, videos and execute real world tasks. Mild video editing will also be learned to create real world products. By the end of the course will have the knowledge to take the FAA drone certification test to become a licensed pilot if desired, as well as be a competent drone pilot. (Class drones are DJI Mavic Mini)

CVCC Courses

For information on Cuyahoga Valley Career Center Courses and Programs please visit:

<https://cvccworks.edu/high-school/high-school-programs/>

English Courses

Honors Literature Survey - ENG1HS09HN

Course Number: ENG1HS09HN

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen (including those enrolling in AP Seminar sophomore year)

This is the first course in an accelerated sequence. Composition skills will be emphasized throughout the course; literature will include the study of the novel, nonfiction, mythology, poetry, short story, and the Shakespearean play. Summer reading is required.

Prerequisite: 8th grade students must earn 3 or more points from the following list to be eligible:

- PSAT Writing/Language 95th percentile or higher (1 pt)
- PSAT Reading 95th percentile or higher (1 pt)
- First semester average grade of 85% or higher in Advanced English 8 (1 pt)
- Work ethic rubric average score of ≥ 3 (1 pt)

Honors American Literature - ENG2HS10HN

Course Number: ENG2HS10HN

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: sophomores, juniors (freshmen not eligible)

This is the second course in an accelerated sequence that focuses on the historical survey of American Literature for academically talented and motivated students who have demonstrated highly developed reading, writing, and speaking skills in previous English classes. Students enrolling in Honors American Literature will have two goals: to become skilled, mature, critical readers, and to develop logical, clear writing. Students taking this course should possess a strong work ethic, be self-motivated, and have the ability to multi-task in order to successfully complete the year. Summer reading is required.

Prerequisites:

From Honors Literature survey - successful completion of Honors Literature Survey

From Academic English 1 or 2 - Must earn 3 or more points from the following list to be eligible for initial Honors course sophomore or junior year:

- PSAT Writing/Language 95th percentile or higher (1 pt)
- PSAT Reading 95th percentile or higher (1 pt)
- First semester average grade of 90% or higher in English 9 or 10 (1 pt)
- Work ethic rubric average score of ≥ 3 (1 pt)

Honors British Literature - ENG3HS11HN

Course Number: ENG3HS11HN

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: juniors and seniors

Advanced critical reading and thinking skills will be developed through a historical survey of British literature, poetry, drama, and novels. Composition is stressed and includes writing for a variety of purposes and audiences in preparation for AP level English classes and college composition courses. Summer reading is required.

Prerequisite: Successful completion of Honors American Literature or a 90% or higher in English 11

AP Language & Composition - ENG3HS11AP

Course Number: ENG3HS11AP

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: juniors and seniors

This course aligns with an introductory college-level rhetoric and writing curriculum. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. Students will engage in analysis of a broad and challenging range of primarily nonfiction works from a variety of authors and historical contexts. All students will participate in the Advanced Placement examination in May. This course can result in college placement credit for successful candidates. Summer reading is required.

Prerequisite: Successful completion of Honors American Literature or Honors British Literature

AP Literature & Composition - ENG4HS12AP

Course Number: ENG4HS12AP

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

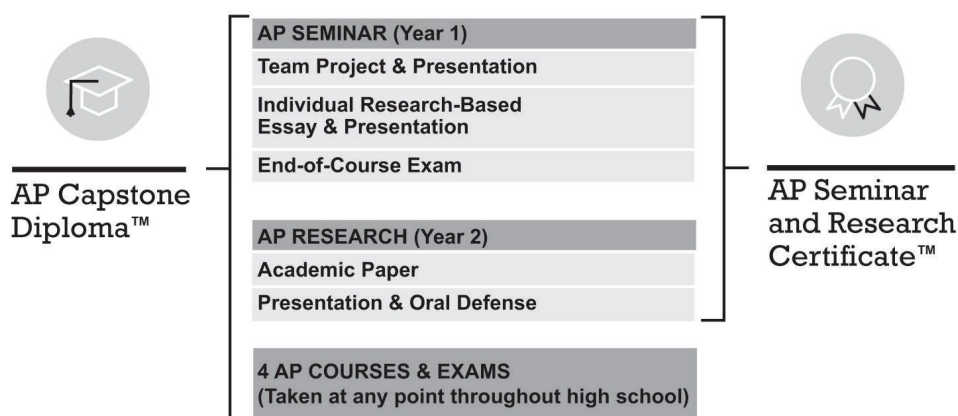
Open To: seniors

This course aligns with an introductory college-level literary analysis course. Enrolled students will be required to take the Advanced Placement Literature and Composition exam. This AP Literature and Composition course requires that students close read and analyze literature to deepen their structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments will prepare students to write expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Summer reading and completion of the Common App college essay is required.

Prerequisite: Successful completion of AP Language and Composition or Honors British Literature

AP Capstone

AP Capstone is an innovative diploma program that provides students with an opportunity to engage in a rigorous scholarly practice of the core academic skills necessary for successful college completion. AP Capstone is built on the foundation of two courses – AP Seminar and AP Research - and is designed to complement and enhance the in-depth, discipline-specific study provided through AP courses. It cultivates curious, independent, and collaborative scholars and prepares them to make logical evidence-based decisions. Students typically take AP Seminar in the 10th or 11th grade, followed by AP Research. Students who earn scores of 3 or higher in AP Seminar and Research and on four (4) additional AP Exams of their choosing will receive the AP Capstone Diploma. This signifies their attainment of college-level academic and research skills. Alternatively, students who earn scores of 3 or higher in AP Seminar and AP Research will receive the AP Seminar and Research Certificate signifying their attainment of college-level academic and research skills.



AP Seminar - SEMRHS10AP

Course Number: SEMRHS10AP

Course Length: year

Credit: 1.0- NCAA Eligible & NHS Eligible

Open To: sophomores

In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. Using the inquiry framework, students practice reading and analyzing articles, research and personal accounts; and experiencing artistic works and performances. Students will analyze and evaluate information with accuracy and precision in order to collaboratively produce written research reports and arguments, and create multimedia presentations of varying lengths. Summer assignments will be given via Google Classroom.

Prerequisite: 9th grade students must earn 3 or more points from the following to be eligible to enroll in AP Seminar as sophomores

- PSAT Writing/Language 95th percentile or higher (1 pt)
- PSAT Reading 95th percentile or higher (1 pt)
- 9th grade Honors ELA Semester Grade of (B+/A) 87% (1 pt)
- Work ethic rubric score of ≥ 3 (1 pt)
- Collaboration/Participation rubric score ≥ 3 (1 pt)

AP Research - RESHHS11AP

Course Number: RESHHS11AP

Course Length: year

Credits: 1.0 (elective credit only; may not be taken for junior or senior English credit)- NCAA Eligible & NHS Eligible

Open To: juniors

This elective** course builds on the skills learned in its prerequisite, AP Seminar, and allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. This course is taken for elective credits. Summer assignments will be given via Google Classroom.

Prerequisite: Successful completion of AP Seminar

**Please note this class may not substitute for an English credit and should be taken concurrently with AP Language or AP Literature.

College Composition I & II - CCM1HS00CP & CCM2HS00CP

Course Number: CCM1HS00CP & CCM2HS00CP

Course Length: 2 semesters- NCAA Eligible & NHS Eligible

An introduction to fundamental college-level skills in academic reading and writing. ENG1010 will focus on academic writing; reading and interpretation of selected texts. While ENG1020 will study persuasive and argumentative writing with an emphasis on analysis and research; reading and interpretation of selected texts. Course may be thematically organized. Students would earn college credit transferable to all Ohio public universities as well as high school credit. Summer completion of the Common App college essay is required.

Academic English 1 - ENG1HS09AD

Course Number: ENG1HS09AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen

Grammar and composition, especially paragraphing skills, will be emphasized; literature will include short stories, poetry, nonfiction, mythology, novels, and a Shakespearian play. Summer reading is required.

Prerequisite: Eighth grade recommendation

Academic English 2 - ENG2HS10AD

Course Number: ENG2HS10AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: sophomores

This survey course emphasizes the study of literature, nonfiction, drama, and poetry through close reading and analysis. Students will develop their writing and speaking skills for a variety of purposes including the composition of persuasive, expository, and synthesis essays. Summer reading is required.

Prerequisite: Counselor recommendation

Academic English 3 - ENG3HS11AD

Course Number: ENG3HS11AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: juniors

This is a survey-based course in American Literature, which means that you will be getting a broad look at the various genres and artistic literary periods in American Literature. Students will be asked to write for a variety of purposes and audiences, including shorter works as well as extended research-based works. Students will also be expected to engage in critical thinking of texts as well as work on public speaking and listening skills. Summer reading is required.

Prerequisite: Counselor recommendation

Academic English 4 - ENG4HS12AD

Course Number: ENG4HS12AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: seniors

Literature includes a historical survey of British literature. Composition includes full-length essays, literary analysis, and persuasive writing. Students will write a formal research paper on a literary topic. Summer reading and completion of the Common App college essay is required.

Prerequisite: Counselor recommendation

English Electives

The English Department offers a number of electives in the following areas: speech, drama, creative writing, and humanities. Some electives are open only to juniors and seniors, but many are open to all students. Please note that these elective courses may NOT substitute for a core English credit.

Humanities - HUMNHS00AD

Course Number: HUMNHS00AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: juniors, seniors

A historical survey of art, literature, music, and ideas and their interrelationship. Class discussion is encouraged. Prior knowledge of art and music is not necessary. The course may involve minimal costs for field trips.

Prerequisite: None

Intro. to Theatre - THTRHS00AD

Course Number: THTRHS00AD

Course Length: semester

Credits: .5- NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Introduction to the Theatre is designed to give students an overall view of theater as it works in our building. Students will get a small review of theater history while learning about the BBHHS stage and what it takes to produce a performance on the stage. Students will understand the positions, roles, and responsibilities of theater crews, as well as participate in the production of the mainstage shows for the year. This is a very active and hands-on class for anyone interested in being part of BBH's theater world!

Prerequisite: None

Stagecraft - STGCHS00AD

Course Number: STGCHS00AD

Course Length: semester

Credits: .5- NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

This course will cover set design and construction; lighting design, hang & focus; costume design and construction; sound design & execution; properties design, gathering & execution, and all matters for the front of the house.

Prerequisite: None

Acting for Stage (Acting 1) - ACT1HS00AD

Course Number: ACT1HS00AD

Course Length: semester

Credits: .5- NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Acting is for students interested in an in-depth study of the principles and techniques of acting. The following areas will be covered: oral interpretation, acting techniques, acting in plays, and when possible a one-act play will be produced in class.

Prerequisite: Introduction to theater; memorization of lines is required.

Acting for Film (Acting 2) - ACT2HS00AD

Course Number: ACT2HS00AD

Course Length: semester

Credits: .5- NHS Eligible

Open To: juniors, seniors

Acting for Film is a performance class for students interested in performing in digital media. Students will learn the difference between acting for live performances and filmed performances. Students will produce filmed performances for entertainment and will sometimes be featured on BEE-TV.

Prerequisite: Introduction to Theatre (acting 1 not required); memorization of lines is required; parent permission to use their student's image and likeness required.

Journalism - JOR1HS00AD

Course Number: JOR1HS00AD

Course Length: year

Credits: 1.0- NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

A practical, hands-on approach to journalism through the creation of the school newspaper, The Hybreeze. Coursework includes instruction and practice in hard news writing, feature, sports writing, review, commentary, and editorials. Students will also learn how to use In-Design software to create layouts. Students are required to participate in the full process of producing the school newspaper including the generation of story ideas and the interview, writing, and publishing processes.

Prerequisite: None, Repeatable

Journalism 2 - JOR2HS00AD

Course Number: JOR2HS00AD

Course Length: year

Credits: 1.00- NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Students generate, write and edit the stories necessary to produce school publications. In addition to writing articles, students will design computer-generated layouts and publish them on the web as well as meet predetermined production and editorial deadlines. Motivation, responsibility, independence, and self-direction are essential characteristics for a student who enrolls in this course.

Modern Media Communications - MMECHS00AD

Course Number: MMECHS00AD

Course Length: semester

Credits: .5- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, and seniors

Students will explore the strategic expansion of your online brand in a responsible, ethical, and secure manner. This course encourages students to leverage online media to their advantage, and introduces them to the skills needed to navigate both traditional and contemporary media elements. An emphasis is placed within the current landscape of digital media technology. The course covers essential aspects such as appropriate research skills, internet safety, critical & creative thinking, video production, editing techniques, and application of diverse writing styles needed to communicate with various audiences. The course will also explore careers in modern media and provide them insights into effective communication strategies through various platforms and contemporary media sources.

Prerequisite: None; parent permission to use their student's image and likeness required.

Public Speaking - PBSPHS00AD

Course Number: PBSPHS00AD

Course Length: semester

Credits: .5- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Various types of speeches are studied and the student is given the opportunity to develop outlines, use visual aids, and give speeches in front of groups. Students will learn how to improve their verbal and nonverbal communication skills through traditional and modern genres of public speaking.

Prerequisite: None

Debate - DEBTHS00AD

Course Number: DEBTHS00AD

Course Length: semester

Credits: .5- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Debate and discussion forms and techniques will be studied. Students will build both affirmative and negative cases. Students will demonstrate their learning through actual discussions and formal debating.

Prerequisite: Speech

Creative Writing 1 - CRW1HS00AD

Course Number: CRW1HS00AD

Course Length: semester

Credits: .5- NCAA Eligible & NHS Eligible

Open To: all grades

Students will engage in a community based atmosphere of self-expression while writing poetry, drama, and short stories.

Prerequisite: A grade of "C" minimum in previous English course.

Creative Writing 2 - CRW2HS00AD

Course Number: CRW2HS00AD

Course Length: semester

Credits: .5- NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, seniors

Designed for students who have a background in Creative Writing 1 and wish to continue honing their writing craft.

Prerequisite: Creative Writing 1

Modern Novel - MODNHS00AD

Course Number: MODNHS00AD

Course Length: semester

Credits: .5- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Welcome to your new book club! This course is designed to give students who enjoy reading and talking about books an in-depth look into modern fiction. Students will read from a variety of genres, engage in activities and projects for each novel focusing on recurrent themes in the modern novel. Students should expect to read from five to six novels over the course of the semester. This is a discussion and activity based class and is not heavily focused on writing.

Prerequisite: None

Yearbook - YRBKHS00AD

Course Number: YRBKHS00AD

Course Length: year

Credits: 1.0- NHS Eligible

Open To: freshmen, sophomores, juniors, seniors; repeatable

In Yearbook, we don't just create a book — we create a community that shares memories. We are historians, journalists, and artists who create a photojournalistic book that will be on shelves for many years to come. You'll learn photojournalism, story and caption writing, fundamentals of graphic design, Photoshop and InDesign, interviewing skills, themed story building, marketing, small business fundamentals, the importance of teamwork, and time management through the real-world experience of producing the 240 page BBHHS Yearbook: Beehive.

Prerequisite: None

Video Journalism - VJORHS00AD

Course Number: VJORHS00AD

Course Length: year (may be taken both semesters and/or repeated)

Credits: 1.0 - NHS Eligible

Open To: Juniors/Seniors. Freshmen and Sophomores with teacher recommendation

This course will provide space for students to produce and practice digital communication in a responsible manner. We will produce projects for the school and provide support for other academic and extracurricular groups associated with the school. Students will learn to communicate professionally as they become more responsible digital citizens.

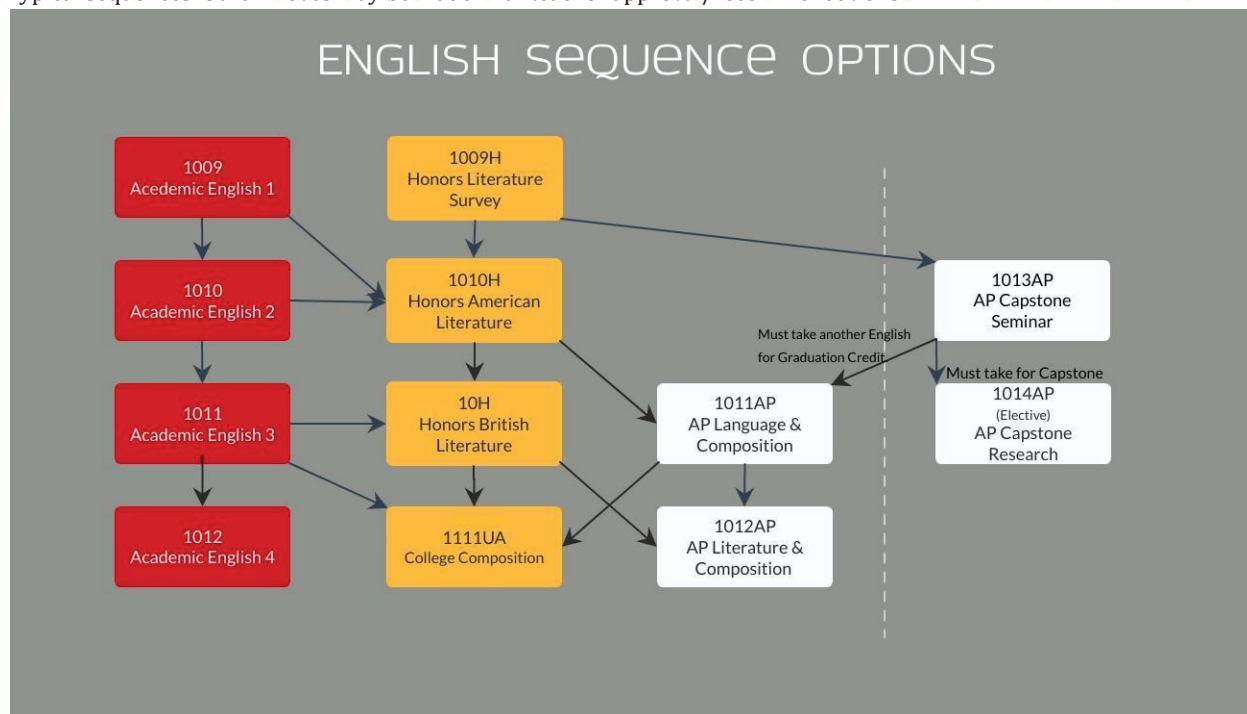
Students will focus on writing, editing and producing videos to market, brand, and promote as well as design for social media, YouTube, and the web. In addition to other projects, students in this class are responsible for all aspects of creating BeeTV both on and off camera.

Students will gain confidence, perspective, and understanding in the roles of screenwriter, director, producer, and editor of video productions.

This is a semester class that may be taken both semesters and/or repeated. It can be taken S/U.

ENGLISH SEQUENCE OPTIONS

Typical sequences. Other moves may be made with teacher approval/recommendations.



Mathematics Courses

Algebra 1 - ALG1HS09AD

Course Number: ALG1HS09AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores

Required: Graphing Calculator - (TI 84 Plus recommended)

A first-year Algebra course that deepens fluency with solving linear equations, inequalities, and systems. These skills are extended to solving quadratic equations, exploring linear, quadratic, and exponential functions graphically, numerically, symbolically, and as sequences, and by using regression techniques to analyze the fit of models to distributions of data.

Prerequisite: 8th grade teacher recommendation

Algebra 1 Block - ALG1HS09BL

Course Number: 2002BL

Course Length: year

Credits: 1.5- NCAA Eligible

Open To: freshmen, sophomores

Required: Graphing Calculator - (TI 84 Plus recommended)

The topics in this course are the same as those covered in a full year of Algebra 1. The presentation of the material is paced as in Algebra I course with time built in for student support and extra practice. Students will spend time weekly using computer-assisted intervention and instruction.

Prerequisite: Teacher/Counselor recommendation

Geometry - GEOMHS10AD

Course Number: GEOMHS10AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: 8th grade, freshmen, sophomores, juniors, seniors

Required: Graphing Calculator - (TI 84 Plus recommended)

Relation of points, lines, planes: definitions, axioms, and postulates used in a logical sequence to show relationships of angles, triangles, lines, circles, polygons; congruence, similarity; area and volume; slopes and equations of lines calculated and graphed; solid geometry. Students should have a good background in Alg. 1.

Prerequisite: Algebra I or Teacher recommendation from Algebra Block.

Honors Geometry - GEOMHS10HN

Course Number: GEOMHS10HN

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: Freshmen, 8th grades for H.S. credit

Required: Graphing Calculator - (TI 84 Plus recommended)

A rigorous course in Geometry that emphasizes reasoning skills and proofs. This course is designed for the highest level mathematics student who is expected to be an independent thinker and make connections within the topics of geometry.

Prerequisite: Algebra 1 in middle school with a grade of "A" or better. Students are expected to remain in the Honors Program for all four years.

Geometry Block - GEOMHS10BL

Course Number: GEOMHS10BL

Course Length: year

Credits: 1.75 - NCAA Eligible

Open To: freshmen, sophomores

Required: Graphing Calculator - (TI 84 Plus recommended)

The topics in this course are the same as those covered in Geometry. The presentation of the material is paced as in the Geometry course with time built in for student support and extra practice. Students will spend time weekly using computer-assisted intervention and instructions.

Prerequisite: Teacher/Counselor recommendation

Modeling and Reasoning - MDRSHS00AD

Course Number: MDRSHS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible

Open To: juniors and seniors

Required: Graphing Calculator - (TI 84 Plus recommended)

Modeling and Reasoning is an advanced quantitative reasoning course. Quantitative Reasoning is the application of basic mathematics skills, such as algebra, to the analysis and interpretation of quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions, and communication. This course is designed to promote reasoning, problem-solving, and modeling through thematic units focused on mathematical practices while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. It is a year-long course taught using student-centered pedagogy. This course will prepare students to enter directly into a credit-bearing math course at the postsecondary level or to go directly into a career field.

Prerequisite: Geometry (Any level)

Algebra 2/Trigonometry - ALG2HS00AD

Course Number: ALG2HS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: juniors, seniors

Required: Graphing Calculator - (TI 84 Plus recommended)

Topics include polynomials; factorization; rational, irrational, and complex numbers; quadratic, exponential, and logarithmic functions; and numerical trigonometry.

Prerequisite: Algebra 2/Trig Equivalent

Honors Algebra 2/Trigonometry - ALG2HS00HN

Course Number: ALG2HS00HN

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshman, sophomores

Required: Graphing Calculator - (TI 84 Plus recommended)

A rigorous course in Algebra 2 / Trigonometry that broadens the scope of all topics covered in Algebra 2/ Trigonometry.

Prerequisite: Honors Geometry with a grade of "B" or better; or teacher recommendation

Pre-Calculus - PRECHS00AD

Course Number: PRECHS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: juniors, seniors

Required: Graphing Calculator - (TI 84 Plus recommended)

A study of conic sections, series, vectors, matrices, functions, algebraic manipulation, and trigonometry.

Prerequisite: Algebra 2/Trigonometry with a grade of "B" or better.

Honors Pre-Calculus - PRECHS00HN

Course Number: PRECHS00HN

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: sophomores, juniors

Required: Graphing Calculator - (TI 84 Plus recommended)

Honors Precalculus is a 4th Year high school math course that includes an introduction to calculus with functions, graphs, limits, area under a curve, and rates of change. A focus on algebra is woven throughout the course, focusing on functions, trigonometry, complex numbers, conic sections, probability, vectors, and matrices.

Prerequisite: Honors Algebra 2/Trigonometry with a grade of "B" or better, or teacher recommendation

Honors Calculus - CAL1HS00HN

Course Number: CAL1HS00HN

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: juniors, seniors

Required: Graphing Calculator - (TI 84 Plus recommended)

Study of limit theory; differential calculus and its applications; integral calculus and its applications. The pace of this course will be slower than AP Calculus and therefore is not intended to prepare students for the AP test.

Prerequisite: Honors Pre-Calculus; teacher recommendation from Enriched Pre-Calculus

Calculus 3 - CAL3HS00CP

Course Number: CAL3HS00CP

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: juniors, seniors

Required: Graphing Calculator - (TI 84 Plus recommended)

Students will investigate multivariable calculus and various differential equations and/or linear algebra topics. The curriculum will help the student transition into math-intensive majors in college. It includes vectors, parametric equations, analytic geometry of space, partial differentiation, and multiple integrals.

Prerequisite: At least a 3 on the Advanced Placement Calculus BC exam. (This course may be taught as a CCP course through Tri-C.)

Data Science Foundations - DTSCHS00AD

Course Number: DTSCHS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible (pending) & NHS Eligible

Open To: juniors, seniors

Required: Scientific Calculator

Acquiring foundational knowledge in data science and basic programming skills are the primary objectives and outcomes of the Data Science Foundations course. It includes the use of mathematics, statistics and computer science methods in the analysis and interpretation of data in all forms. In the context of real-world situations, students will make predictions and decisions using data. Students combine problem solving and reasoning skills with statistics, modeling and computer

coding using R coding language to analyze big data to find patterns and communicate meaning in data.

Prerequisite: Algebra I and Geometry (Any level)

Introduction to Statistics and Probability - STPRHS12AD

Course Number: STPRHS12AD

Course Length: year

Credits: 1.0- NCAA Eligible

Open To: Seniors

Required: Graphing Calculator - (TI 84 Plus recommended)

Data is all around you! The purpose of this course is to introduce the major concepts and tools for collecting, analyzing and drawing conclusions from data. You will be exposed to broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, statistical inference and probability. You will use mental math, paper-and-pencil, online simulators, calculators, and spreadsheets.

Prerequisite: Algebra 2 Equivalent Course (and teacher recommendation)

AP Calculus A/B - CALAHS00AP

Course Number: CALAHS00AP

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: juniors and seniors

Required: Graphing Calculator - (TI 84 Plus recommended)

Study of limit theory; differential calculus and its applications; integral calculus and its applications. Students are required to take the advanced placement exam.

Prerequisite: Honors Pre-Calculus with a grade of "B" or better, or teacher recommendation

AP Calculus B/C(A) - CALBHS00AP

Course Number: CALBHS00AP

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: juniors and seniors

Required: Graphing Calculator - (TI 84 Plus recommended)

This course will cover the standards in both AP Calculus AB and AP Calculus BC in an accelerated manner. Students would be taking the AP Calculus BC test.

AP Statistics - STATHS00AP

Course Number: STATHS00AP

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: juniors and seniors

Required: Graphing Calculator - (TI 84 Plus recommended)

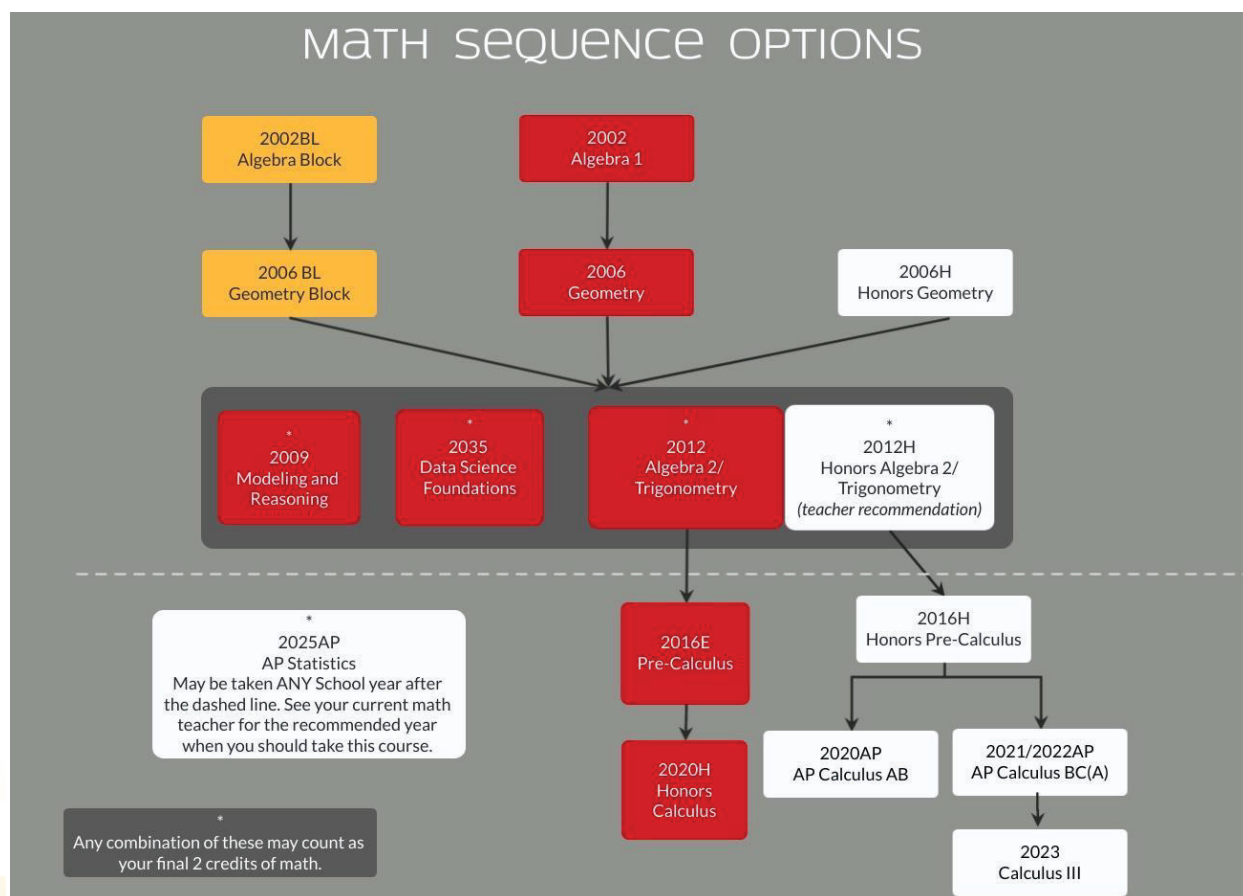
This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to 4 broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Prerequisite: Algebra 2/Trigonometry

MATH COURSE SEQUENCE OPTIONS

Typical sequences. Other moves may be made with teacher approval/recommendations.



Music Courses

Symphonic Band - BNDSHS00AD

Course Number: BNDSHS00AD

Course Length: year

Fee: Pay to Participate, Band Booster Fee, School Instrument Fee

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, and seniors

Symphonic Band is a performing ensemble open to all wind, brass and percussion students. The group will perform several concerts during the year and will emphasize the study of basic musicianship skills and improvement of fundamentals. The Symphonic Band class meets every school day (for credit). Opportunities for playing in small groups and solos will also be available.

Prerequisite: No audition required.

Concert Band - BNDCHS00AD

Course Number: BNDCHS00AD (office use only - selected by the director)

Course Length: year

Fee: Pay to Participate, Band Booster Fee, School Instrument Fee

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, and seniors

Concert Band is open to wind, brass and percussion instrumentalists who have achieved a specific level of playing ability. Admittance into this class is based on auditions and demands the highest commitment to a performing ensemble. In addition to the performance of modern wind literature and transcriptions, the fundamentals of wind performance such as breathing skills, embouchure strength and flexibility, finger strength and speed, and articulation ability will be emphasized.

Prerequisite: All members are selected through auditions with the director(s)

Wind Ensemble - ENSWHS00AD

Course Number: ENSWHS00AD (office use only—selected through director)

Course Length: year

Fee: Pay to Participate, Band Booster Fee, School Instrument Fee

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, and seniors

Wind Ensemble is the top performing ensemble at Brecksville-Broadview Heights High School. Admittance into this class is based on auditions and demands the highest commitment to a performing ensemble. Private study is highly recommended. In addition to the performance of difficult modern wind literature and transcriptions, the fundamentals of wind performance such as breathing skills, embouchure strength and flexibility, finger strength and speed, and articulation ability will be emphasized.

After school sectionals and rehearsals (brass, percussion, and woodwind) will be posted and attendance is mandatory. Sectionals will begin January through March.

Prerequisite: All members are selected through an audition with the directors.

String Orchestra - ORCSHS00AD

Course Number: ORCSHS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

String Orchestra is designed to train the beginning to intermediate string players in proper performance and rehearsal techniques and to nurture their potential through the rehearsal and performance of quality string orchestra literature appropriate to their level of development. It is also designed to prepare the musicians for performance at a more advanced level. Many middle school players enter this program during their freshman year at BBHHS in addition to several upper classmen.

Prerequisite: Student must play a stringed instrument. No audition required.

Concert Orchestra - ORCCHS00AD

Course Number: ORCCHS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Concert Orchestra is designed to develop the potential of the instrumental musicians through rehearsal and performance of quality string and symphony orchestra literature appropriate to the level of that development. It is also designed to prepare the musicians for performance at their highest level. Every Member of this ensemble is encouraged participate in OMEA Solo and Ensemble.

Prerequisite: Student must play a stringed instrument. All members are selected through auditions with the director(s)

Chamber Orchestra - ORCCHS00HN

Course Number: ORCCHS00HN

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Comprised of students chosen based on previous excellence in orchestra. This group is expected to dedicate a portion of their home time to practice and proficiency of the music that has been assigned. Students must audition with the directors in order to be accepted into the program, and are strongly encouraged to study with a private teacher as well. Chamber orchestra has the possibility of playing special events and will be required to attend OMEA Solo & Ensemble. This ensemble will perform at the Ohio Music Educators Association (OMEA) Large Group Adjudication in February.

Prerequisite: Student must play a stringed instrument. All members are selected through auditions with the director(s)

Symphonic Choir - CHRSHS00AD

Course Number: CHRSHS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: Freshman, Sophomore, Juniors, & Seniors

Symphonic Choir is a non-audition SSA group (Sopranos and Altos) in which students will receive vocal instruction, sight-singing training, and experience. All skill levels are welcomed and encouraged! Music of all styles and periods is included. **All concerts and performances are mandatory.** Low time commitment.

Prerequisite: Must sing in treble octaves, regardless of gender. No audition required.

Men's Choir - CHRMHS00AD

Course Number: CHRMHS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: Tenor or Bass singers in freshman, sophomore, junior, or senior

Men's Choir is a non-audition ensemble for all Tenor and Bass voices in grades 9-12. All skill levels are welcomed and encouraged! Music of all styles and periods are included. **All concerts and performances are mandatory.** Low time commitment.

Prerequisite: Must sing in Bass Clef regardless of gender. No audition required.

Treble Choir - CHRTHS00HN

Course Number: CHRTHS00HN

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: 9-12 Treble voiced singers (regardless of gender) - BY AUDITION ONLY

Treble Choir is a performing organization in which the fundamental concepts of singing, learned in previous choirs are continued and expanded. Proper breathing, control, and vocal projection are studied. Singers refine their tone. Sight-singing abilities are focused on. Music of all styles and periods is included in the course. **All concerts and performances are mandatory.** Medium level time commitment. All literature is arranged for treble voices.

Prerequisite: Must sing in the treble octaves regardless of gender. Audition required.

Chamber Choir - CHRCHS00AD/CHRCHS00HN

Course Number: CHRCHS00AD / CHRCHS00HN

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: 9-12 singers - BY AUDITION ONLY

Chamber Choir is a mixed ensemble utilizing soprano, alto, tenor, and bass. This choir will explore more advanced vocal techniques, develop an advanced repertoire of choral music, and perform outside of the district. Members will also utilize advanced study in sight-singing. **All concerts and performances are mandatory.** Extra performances include Madrigal Dinner, community caroling, performances at Colleges and Universities, school events, etc. High-level time commitment.

Prerequisite: All members must complete the required audition.

Jazz Ensemble - JZEH00HN

Course Number: JZEH00HN

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

The Jazz Band students will study Jazz and other related literature. Jazz Band is a class that meets (for credit) every school day and performs at several school and civic events each year. Membership in this group is based on level of experience and by audition only.

Prerequisite: All members are selected through auditions with the director

Music Theory - MUSTH00AD

Course Number: MUSTH00AD

Course Length: Semester

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, seniors

The fundamentals of musicianship approached through visual and aural analysis. The student will study terminology, scales, intervals, melodic, harmony, and rhythmic elements of music as well as composition and analysis.

Prerequisite: Ability to read music is required.

Music Appreciation - MUSAH00AD

Course Number: MUSAH00AD

Course Length: Semester

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: 9-12

This course is designed for students who need an arts credit, who would like to supplement their participation in performing ensembles, and those who desire it for personal enrichment. Emphasis will be placed on music history, world music, digital music composition, and American music styles (i.e. Jazz and Rock & Roll) to further enrich music theory concepts in a practical application.

Prerequisite: None.

Physical Education & Health Courses

P.E. 1 - PSEDH00AD

Course Number: PSEDH00AD

Course Length: semester

Credits: .25 - NCAA Eligible & NHS Eligible

Open To: freshmen

This survey course is the first of the required programs. The course is designed to offer an overview of many team and some individual activities. There is an emphasis on fitness, using dumbbell and machine weights, med balls and other fitness equipment.

Weight Training - WTTRHS00AD

Course Number: WTTRHS00AD

Course Length: semester

Credits: .25 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

The purpose of the course is to develop and improve the student's strength, muscular endurance, coordination, flexibility, and balance. The goal is to improve each student's total fitness through the use of free weights and weight machine exercises. Students desiring to enroll in the course for a second time must wait until the start of the semester and will only be accepted if there is available space in the class.

Fit for Life - FFLFHS00AD

Course Number: FFLFHS00AD

Course Length: semester

Credits: .25 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores

Start now to be fit for life! Learn physical fitness activities which you will be able to participate in throughout your entire life: yoga, walking, hiking, jogging, weight lifting, some lifetime sports activities, and more. Starting a routine to be fit for life now will not only help you be physically fit but mentally and emotionally as well.

Teammates - TMMTHS00AD

Course Number: TMMTHS00AD

Course Length: year

Credits: .25 - NCAA Eligible (pending) & NHS Eligible

Open To: sophomores, juniors, & seniors

This course is designed to provide an inclusive experience for all students with a variety of activities designed for fitness, team building, and skill-building. Non-disabled students should volunteer and show a desire to participate in the class based on a desire for exercise and to be part of a team. One day per week, an Intervention Specialist will work solely with nondisabled students on topics including disability awareness, inclusion, being a leader, how to help by enabling others, acceptance and equal access, ADA and rights of people with disabilities, confidentiality, etc.

Health - HLTHHS00AD

Course Number: HLTHHS00AD

Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible

Open To: freshmen

Health Education offers a variety of current health matters that pertain to you as a young adult. Individual units of instruction include; First Aid and CPR training, fitness and nutrition, mental health, male and female reproductive anatomy including communicable diseases, tobacco, alcohol, and other drugs. The class uses community resources and audio-visual aids.

Science Courses

Academic Physical Science - PHSCHS09AD

Course Number: PHSCHS09AD

Course Length: Year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Designed as an introductory course in the physical sciences. This course will provide practical experiences in observation and experimentation. Semester 1 topics focus on chemistry principles and semester 2 topics focus on physics and space systems principles. This course provides an understanding of science for use in everyday life, as well as a background for future sciences.

Prerequisite: Counselor or previous science teacher recommendation. Algebra I must be taken previously or concurrently.

Physical Science - PHSCHS09GN

Course Number: PHSCHS09GN

Course Length: Year

Credits: 1.0

Open To: freshmen, sophomores, juniors, seniors

Offers a practical study of the relationships between matter and energy. Current applications help students learn basic science laws and principles. Semester 1 topics focus on chemistry principles and semester 2 topics focus on physics and space systems principles. Special emphasis on everyday situations will bring meaning to science.

Prerequisite: Counselor or previous science teacher recommendation. May be taken concurrently with Block Algebra I.

Academic Biology 1 - BIO1HS10AD

Course Number: BIO1HS10AD

Course Length: Semester 1 / Semester 2

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

A laboratory-oriented course. This course investigates the composition, diversity, complexity, and interconnectedness of life on Earth. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills, and real-world applications.

Prerequisite: .5 earned credit of Physical Science

Biology 1 - BIO1HS00GN

Course Number: BIO1HS00GN

Course Length: year

Credits: 1.0

Open To: freshmen, sophomores, juniors, seniors

Biology in relation to everyday life situations is stressed. The course will cover ecology, cells as the basic unit of life, genetics, and evolution.

Prerequisite: One earned credit of Physical Science

Honors Biology - BIO1HS10HN

Course Number: BIO1HS10HN
Course Length: Semester 1 / Semester 2
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: freshman, sophomores, juniors, seniors

Laboratory course covering the same topics as Academic Biology but in greater depth and with greater emphasis on the mathematical aspects of genetics and the chemistry of biological processes. The course will cover all branches of Biology with vocabulary and terminology on an enriched level.

Prerequisite: Approval of the previous science teacher and counselor, and one earned credit in Physical Science.

AP Biology - BIO1HS00AP

Course Number: BIO1HS00AP
Course Length: year
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: sophomores, juniors, seniors

A laboratory course intended to be the equivalent of a college introductory biology course. The course is designed to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. All branches of biology will be covered with an emphasis on preparation for advanced placement testing. The purchase of a workbook and laboratory manual may be required. This course may include a field trip with an approximate additional cost of \$220. AP Exam is required.

Prerequisite: Counselor recommendation and teacher approval and one earned credit each of Honors/Academic Chemistry 1 and Honors/ Academic Biology I. Honor Chemistry is highly recommended.

Academic Environmental Sci. - EVSCHS00AD

Course Number: EVSCHS00AD
Course Length: Semester 1 / Semester 2
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: freshmen, sophomores, juniors, seniors

This academic level college preparatory course will highlight the science behind today's social and environmental issues and problems. The course is lab-based and utilizes a variety of individual investigations that focus on ecology, populations, water, air and land resources, energy, waste, and career awareness. This course will promote the use of scientific principles, processes, and evidence in public decision-making. This is a college-preparatory science offering that may be used to fulfill the recommendations for a second lab science for university admission.

Prerequisite: 0.5 credit of Biology.

AP Environmental Science - EVSCHS00AP

Course Number: EVSCHS00AP
Course Length: year
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: juniors, seniors

AP Environmental Science is a laboratory course designed to stress scientific principles associated with environmental science and will undertake a more advanced study of topics in environmental science. It will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The course will address a wide range of scientific fields with emphasis on their integration and application to environmental

problems and solutions. The purchase of a workbook/laboratory manual may be required. This course includes various field experiences including an overnight camping trip which will be an additional cost. AP Exam required.

Prerequisite: Teacher recommendation and one earned credit each of Honors/Academic Biology 1 and Honors/Academic Chemistry 1 and successful completion of geometry.

Academic Chemistry 1 - CHEMHS00AD

Course Number: CHEMHS00AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, seniors

Course content: Nature of matter, energy, atomic theory, and structure. Periodic table, formula writing, equation balancing, problem-solving, acids, bases, salts, oxidation reduction, chemical equilibrium, kinetics, and nuclear chemistry. Mathematical applications are stressed. Safety goggles are required. Web assign fee.

Prerequisite: With permission from a previous science teacher. One earned credit of Algebra 1 with a grade of "C" or better.

Honors Chemistry 1 - CHEMHS00HN

Course Number: CHEMHS00HN

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, seniors

Laboratory course covering the same topics as Academic Chemistry 1 but in greater depth and with greater emphasis on theoretical chemistry, reaction rates, and equilibrium. Both vocabulary and mathematics will be on an enriched level. Safety goggles are required. Web assign fee.

Prerequisite: With the approval of a previous science teacher and counselor. Two years of Math including one earned credit in Algebra 1 with grades of "C" or better. Second year may be taken concurrently.

AP Chemistry - CHEMHS00AP

Course Number: CHEMHS00AP

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: sophomores, juniors, seniors

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. This course requires that 25 percent of the instructional time provides students with opportunities to engage in laboratory investigations, at least six of which are inquiry-based. Emphasis will be placed on preparation for advanced placement testing. It is assumed that safety goggles are already owned by students from their Chemistry 1 course. The AP Exam is required.

Prerequisite: Chemistry 1 teacher recommendation. Honors Chemistry 1 is strongly recommended. Pre-calculus or calculus must be taken previously or concurrently.

Academic Physics - PHYSHS00AD

Course Number: PHYSHS00AD
Course Length: year
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: juniors, seniors

Academic Physics is an Algebra-based laboratory course that stresses the fundamental laws and concepts of physics and their applications to real-life situations. Content areas include vector analysis, forces and motion, energy, momentum, sound, optics, electricity, magnetism, and modern physics. Emphasis is placed upon problem-solving strategies. Web assign fee.

Prerequisites: Teacher recommendation, Grade of C or better in Algebra 2 / Trig (Chemistry 1 is strongly recommended.)
One earned credit of Physical Science.

Honors Physics - PHYSHS00HN

Course Number: PHYSHS00HN
Course Length: year
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: juniors, seniors

A rigorous physics course that provides a systematic introduction and laboratory study of the main principles of physics. Understanding these principles and the ability to apply them in solving complex problems are the major goals of the course. Major content areas include kinematics, Newton's Laws, energy, rotation, waves, optics, & electricity. Both vocabulary and mathematics will be on the enriched level. Laboratory work will supplement the course work and emphasize mathematical and graphical analysis of data.

Prerequisite: Approval of previous science teacher and counselor. Grade of B or better in Algebra 2 / Trig. Pre-calculus should be taken concurrently. Honors Chemistry 1 is strongly recommended.

AP Physics C: Mechanics -PHY1HS00AP

Course Number: PHY1HS00AP
Course Length: year
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: freshmen, sophomores, juniors, seniors

Physics C is a rigorous, calculus-based physics course that provides a systematic introduction and laboratory study of the main principles of physics. Understanding these principles and the ability to apply them in solving problems are the major goals of the course. Major content areas include Kinematics, Newton's Laws, Energy, Rotational Dynamics, and Oscillators. Both vocabulary and mathematics will be at an advanced level. Laboratory work will supplement the course work and emphasize mathematical and graphical analysis of data and guided inquiry. Upon completion of this course, students should be prepared to take the AP Physics C: Mechanics exam. Web assign fee.

Prerequisite: Approval of previous science teacher and counselor. **Calculus must be taken previously or concurrently (AP Recommended).** Honors Chemistry 1 is strongly recommended.

AP Physics C: Electricity and Magnetism -PHY2HS00AP

Course Number: PHY2HS00AP

Course Length: year
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: freshmen, sophomores, juniors, seniors

Physics C is a rigorous, calculus-based physics course that provides a systematic introduction and laboratory study of the main principles of physics. Understanding these principles and the ability to apply them in solving problems are the major goals of the course. Major content areas include Electric Charge and Electric Fields, Electric Potential, Basic Circuits, Magnetism, and Magnetic Induction. Both vocabulary and mathematics will be at an advanced level. Laboratory work will supplement the course work and emphasize mathematical and graphical analysis of data and guided inquiry. Upon completion of this course, students should be prepared to take the AP Physics C: Electricity and Magnetism exam.: Web assign fee.

Prerequisite: AP Physics C: Mechanics, Approval of previous science teacher and counselor. **Calculus must be taken previously or concurrently (AP Recommended).**

Science Survey - SCSVHS00AD

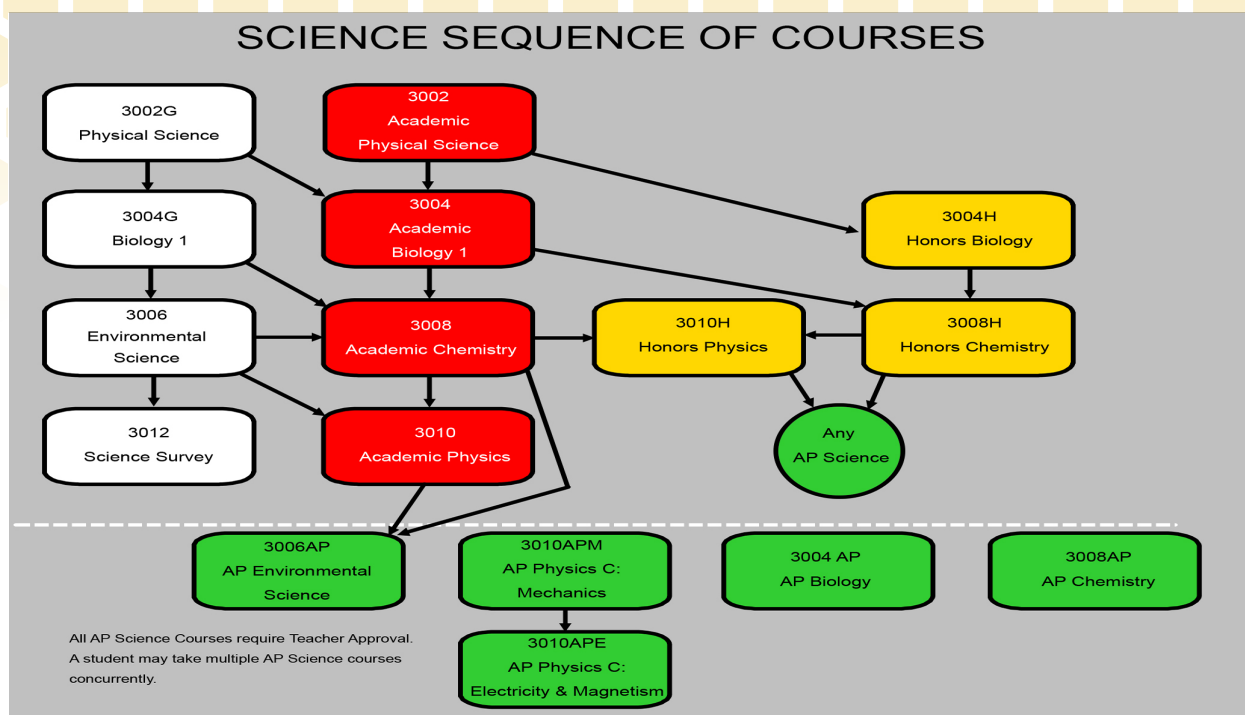
Course Number: SCSVHS00AD
Course Length: year
Credits: 1.0 - NHS Eligible
Open To: seniors

Laboratory course providing a general overview of science including Human Physiology, Forensics, Geology, Marine Science, and Astronomy. The offering will include major levels of structure associated with gross anatomy, organs, systems, metabolism, crime scene chemistry, geologic time scale review, mineral structure, marine system ecology and system balance, and interplanetary interaction and celestial identification. Science Survey will support a reality-based and hands-on approach in order to make concepts relevant to students' everyday lives. Unifying themes that will be reinforced during the course presentation include the interrelationships of systems, homeostasis, and structure and function. Laboratory experiences will be integrated into the offering.

Prerequisite: Approval of the previous science teacher and counselor and one earned credit of Academic Environmental Science as a Junior.

SCIENCE COURSE SEQUENCE OPTIONS

Typical sequences. Other moves may be made with teacher approval/recommendations.



Social Studies Courses

Academic World History - WRHSHS09AD

Course Number: WRHSHS09AD

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: freshmen

Students will study the development of modern civilization with an emphasis on world events from 1600 to the present. Central themes include political activities, social relationships, economic changes, religious beliefs, and cultural achievements. This course is recommended for college-bound students.

Prerequisite: Recommendation by 9th grade History Teacher

Honors World History - WRHSHS09HN

Course Number: WRHSHS09HN

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: freshmen

Students will study the development of human civilization with an emphasis on world events from 1600 to the present. Central themes include political activities, social relationships, economic changes, religious beliefs, and cultural achievements. This course is recommended for students who plan to follow an honors placement program. Students will be expected to complete additional reading and writing assignments as well as higher levels of class discussions.

Prerequisite: Teacher recommendation

AP World History: Modern - WRHSHS09AP

Course Number: WRHSHS09AP
Course Length: year
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: freshmen, sophomores, juniors, and seniors

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. Students will be required to take the AP Exam.

Prerequisite: Teacher Recommendation

Academic US History - AMHSHS10AD

Course Number: 0255
Course Length: year
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: sophomores

This course will present a survey of U.S. History with an emphasis on the years from 1877 to the present including a short review of the Constitution. The focus of this course will center upon American heritage, democratic processes, citizens' rights, and world interactions. This course is recommended for college-bound students. Special emphasis will be placed on the improvement of reading, writing, listening, and note-taking skills. Other founding documents will be studied in this course.

Prerequisite: Recommendation by 8th grade History Teacher

Honors US History - AMHSHS10HN

Course Number: AMHSHS10HN
Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: sophomores

This course will present a survey of U.S. History with an emphasis on the years from 1877 to the present including a short review of the important documents, the Constitution, the Bill of Rights, and the Declaration of Independence. This course is recommended for students who plan to follow an advanced placement program. Students will be expected to complete additional reading and writing assignments, as well as higher levels of discussion. The focus of this course will center upon American heritage, democratic processes, citizens' rights, and world interactions. Special emphasis will be placed on the improvement of reading, writing, listening, and note-taking skills.

Prerequisite: Recommendation by 8th grade Social Studies Teacher

AP US History - USHS00AP

Course Number: USHS00AP
Course Length: year
Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: sophomores, juniors, and seniors

"In AP® U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: America and national identity; work exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

Prerequisite: Honors English 10 or AP Seminar concurrently or Honors Literature Survey

Academic US Government - GOVTHS00AD

Course Number: GOVTHS00AD
Course Length: semester
Credits: .5 - NCAA Eligible & NHS Eligible
Open To: seniors, juniors

Students in this course will be immersed in learning about and getting involved in their government. The focus is on the study of the U.S. Constitution, as well as the organization and function of the federal, state, and local governments. Primary sources and current events will be included in student studies. Students are required to complete a local government semester project, including the requirement of attending and reporting on a city council meeting. The goal is for students to develop into actively engaged citizens who are dedicated to improving their communities.

Prerequisite: Completion of U.S. History and Teacher Recommendation

Honors US Government - GOVTHS00HN

Course Number: GOVTHS00HN
Course Length: year

Credits: .5 - NCAA Eligible & NHS Eligible
Open To: seniors

Students in this course will be immersed in learning about and getting involved in their government. The focus is on the study of the U.S. Constitution, as well as the organization and function of the federal, state, and local governments. Primary sources and current events will be included in student studies. Students are required to complete a local government semester project, including the requirement of attending and reporting on a city council meeting. The goal is for students to develop into actively engaged citizens who are dedicated to improving their communities. This course is designed for students desiring a college-level experience, but do not intend to take the AP examination. Greater emphasis will be placed on reading and writing than in the academic course.

Prerequisite: Completion of U.S. History and Teacher Recommendation

AP US Government & Politics - GOVTHS00AP

Course Number: GOVTHS00AP
Course Length: semester
Credits: .5 - NCAA Eligible & NHS Eligible
Open To: junior & seniors

Study of political institutions and current issues dealing with Congress, the presidency, campaign reform, constitutional controversies, etc. Heavy emphasis on source documents, additional readings, writing, and current political discussions. Students are required to take the appropriate AP exams for college credit.

Prerequisite: Teacher recommendation

Academic Economics - ECONHS00AD

Course Number: ECONHS00AD
Course Length: semester
Credits: .5 - NCAA Eligible & NHS Eligible
Open To: seniors, juniors

Strongly encouraged for students planning on majoring in business, marketing, finance, etc. Emphasis will be placed on understanding basic economic concepts and macroeconomic principles through application to current and historic economic issues. Students will engage in managing a stock portfolio by participating in a Stock Market Simulation.

Prerequisite: Recommendation by counselor

AP Macro/Micro Economics. - ECFIHS00AP

Course Number: ECFIHS00AP
Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible
Open To: juniors, seniors

AP Macro/Micro Economics is highly recommended to all junior &/or senior students, & especially appropriate for any students interested in business-related fields of study in college. Students with a qualifying score on the AP exam(s) can earn college credit for economics or placement. This is important because many colleges/universities may require at least one semester of economics. Regardless, all students can benefit from this course which develops students' general thinking and problem-solving skills through the application of economic principles and concepts to both microeconomic and macroeconomic topics and issues. The first semester focuses on microeconomic units such as the individual, the firm, and specific markets. The second semester builds on this understanding to consider the workings of a nation's macroeconomy. Graph construction and interpretation, along with mathematical competency are necessary for student success. Students will be required to take the AP Exam(s).

Prerequisite: Honors Algebra II/Trigonometry

Social Studies Elective Courses

In order to supplement the required Social Studies courses, the twelve classes listed in the following section are offered to most Brecksville-Broadview Heights High School students. All students are encouraged to elect classes in areas of special interest and to broaden their educational experience.

AP European History - EUHSHS00AP

Course Number: 0040

Course Length: year

Credits: 1.0 - NCAA Eligible & NHS Eligible

Open To: juniors, seniors

From Machiavelli to Marxism, this course has it all! Using an interdisciplinary approach, this course focuses on tracing the roots of European civilization from 1500 to the modern era. Dynamic topics include philosophy, economics, politics, and religion. Heavy emphasis placed on source documents, essay writing, and comparative history discussions. Tremendous training for college-level study. Students are required to take the AP exam for college credit.

Prerequisite: Teacher recommendation

AP Comparative Government & Politics - GVTCHS00AP

Course Number: GVTCHS00AP

Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible
Fee: AP Exam Fee
Open To: juniors and seniors

The AP Comparative Government and Politics course uses case studies to analyze six core countries (European Union and United Kingdom, China, Iran, Mexico, Nigeria, and Russia) in comparison to the United States and each other. Globalization, democratization, political change, public policy, and citizen-state relations will be explored in classroom discussions and project-based learning. **This course does not meet the government requirement for graduation.** Students will be required to take the AP Exam.

Prerequisite: Teacher recommendation

Psychology - PSYCHS00AD

Course Number: PSYCHS00AD
Course Length: semester
Credits: .5 - NCAA Eligible & NHS Eligible
Open To: freshmen, sophomores, juniors, seniors

Psychology is the study of human behavior and mental processes. In short, why humans behave the way we do, and why we think the way we do. Through this course we will explore the topics of Psychological Perspectives, Biological Bases of Behavior, Learning, Lifespan and Development, Motivation-Emotion-Personality, Psychological Disorders and Forensic Psychology and Serial Killers. These topics are accompanied by an appropriate discussion of new research that adds to the knowledge that we already possess on the brain, and its evolution over time that has led to new and exciting information that is forever changing the world we live in.

Prerequisite: None

AP Psychology - PSYCHS00AP

Course Number: PSYCHS00AP
Course Length: year
Credits: 1 - NCAA Eligible & NHS Eligible
Open To: juniors, seniors

Advanced Placement Psychology goes beyond the basic principles taught in Psychology 1. Students who enroll in A. P. Psychology will be required to submit additional projects on problem-solving, as well as reading several books of their choice and completing research papers on their findings. As part of the testing, the students will have Advanced Placement essay questions along with their regular multiple choice and matching tests. Additional topics, such as Testing and Individual Differences, Cognition, Motivation and Emotion, Sensation and Perception, States of Consciousness, Social Psychology, and further investigation of Abnormal Behavior and Therapy will be addressed. Students will be required to take the AP Exam.

Prerequisite: None

The American Legal System - AMLSHS00AD

Course Number: AMLSHS00AD
Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible
Open To: freshmen, sophomores, juniors, seniors

Take this course if you are thinking about a career in a law-related field or simply want to know more about your rights, the law, and how to get involved to make a difference. We will study the various areas of law including Constitutional, criminal, consumer, family, torts, or personal injury with a special emphasis on current events. This course is intended to empower students to become active, engaged citizens by equipping them with the knowledge and skills they need to successfully participate and create change in their communities. Students will increase their knowledge about law and government, and develop the skills needed to use this knowledge in their daily lives. Lessons will be enhanced with projects, a mock trial, guest speakers, and a field trip to the Cuyahoga Court of Common Pleas and other sites in Cleveland related to course objectives and student interests.

Prerequisite: None

Global Geography - GLBGHS00AD

Course Number: GLBGHS00AD
Course Length: semester
Credits: .5 - NCAA Eligible & NHS Eligible
Open To: freshmen, sophomores, juniors, seniors

Global Geography explores the modern world we live in. The emphasis will be on the 5 major themes of geography (Location, Place, Human Environment, Movement of Goods, and People and Regions). Students will engage in a variety of activities most of which will be map-related.

Prerequisite: None

Sociology - SOCLHS00AD

Course Number: SOCLHS00AD
Course Length: semester
Credits: .5 - NCAA Eligible & NHS Eligible
Open To: freshmen, sophomores, juniors, seniors

Sociology is an elective course that studies human society and social behavior. Positive human relationships are an essential part of a civilized society and how we interact with each other is important so that we can find answers to questions and solve problems in our world. The way that we view the world comes from what we learn in our everyday activities. This course deals with the social atmosphere that helps to make us who we are and how we behave. Sociology will cover topics such as culture, socialization, crime and deviance, social interaction, race and ethnicity, group behavior, social class, and social institutions, and the positives/negatives of Social Media. The key component of this course is to study ourselves and the society that influences our behavior.

Prerequisite: None

International Current Events - ICEVHS00AD

Course Number: ICEVHS00AD
Course Length: semester

Credits: .5 - NCAA Eligible & NHS Eligible
Open To: juniors, seniors

This course will examine the World policy of the United States from WW II to the present. It will deal with current issues and pressing questions. How will the U.S. confront international terrorism? What should be the role of the U.S. in finding a peaceful solution in the Middle East? How should the U.S. plan future defense spending to be militarily prepared for current and future world situations?

Prerequisite: None

Eastern Philosophy & Culture - EPHLHS00AD

Course Number: EPHLHS00AD
Course Length: semester
Credits: .5 - NCAA Eligible & NHS Eligible
Open To: freshmen, sophomores, juniors, seniors

Come discover Asia! This course offers students a chance to explore the cultural traditions and influences of non-western societies. Investigations of the philosophical developments of Islam, Hinduism, Buddhism, Confucianism, Daoism, and Shinto, and the art, music, food, and unique traditions of the East will foster a deeper appreciation of the cultures and histories of the Middle East, South Asia, East Asia, and Southeast Asia.

Prerequisite: None

Professional/Career/Service Internship - CAIntern

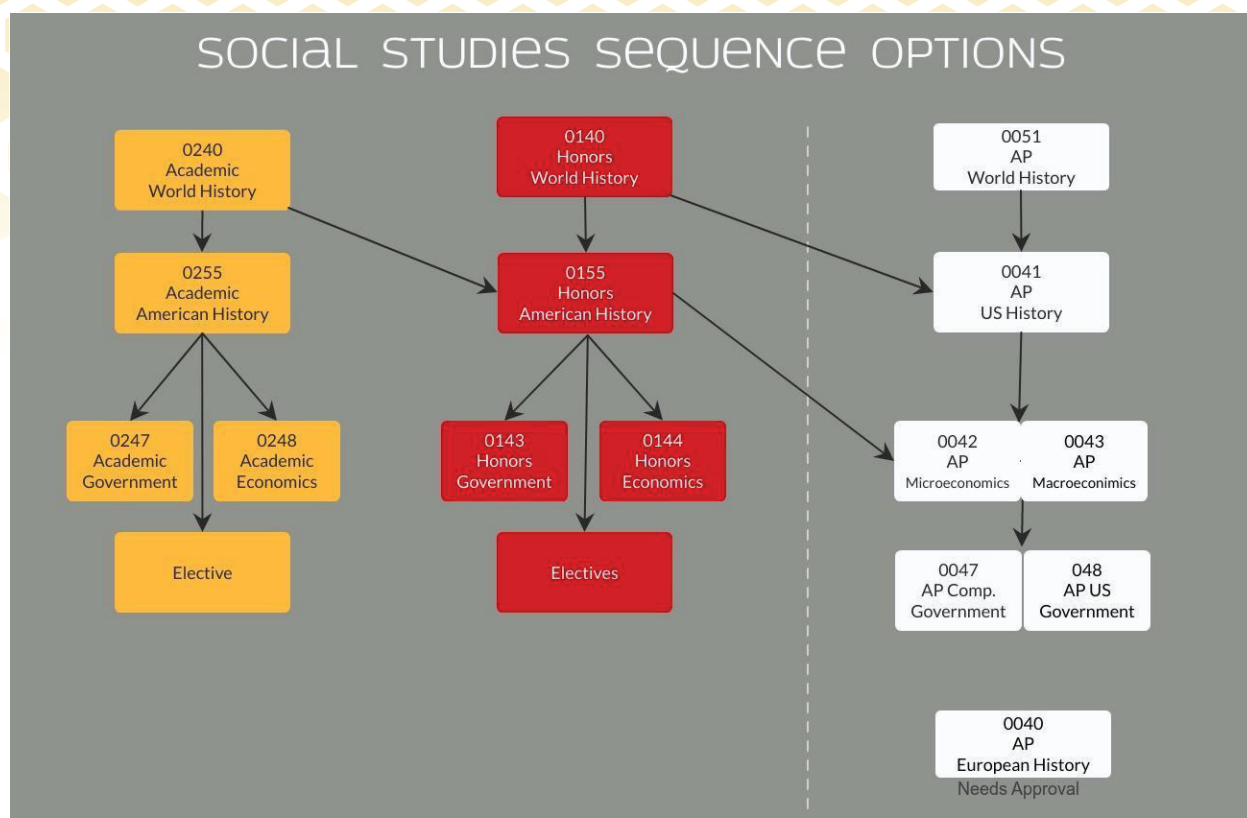
Course Number: CAIntern
Course Length: Semester
Credits: 1 - NHS Eligible
Open To: Juniors and Seniors

Through classroom lessons and one nine-week educational partnership/shadowing learning experiences, students work to develop the critical thinking, communication, collaboration, creativity, problem-solving skills, and soft skills required for success in college and careers. Students will explore a career or service opportunity, receive workplace training, and learn about career advancement and education requirements in their identified area. This course will be scheduled at the end of the school day allowing students to schedule an internship in place of traditional coursework for nine weeks of the semester. Students are expected to complete weekly journaling during their internship experience along with a culminating project/presentation.

Prerequisite: Counselor and teacher recommendation, an approved application by March 1st in the year that you apply for the course.

Social Studies Course Sequence Options

Typical sequences. Other moves may be made with teacher approval/recommendations.



SPS Career Planning

Four-Year Program Outline

The four-year plan given below is provided for use by the students and parents in planning the four-year program of studies. Included are subjects that are required by the State of Ohio and the Brecksville-Broadview Heights Board of Education. Note that these are suggested minimum course loads and should only be used as a guide in your planning. Specific course selection and course loads should be determined by individual needs, abilities, and interests.

9th Grade

- (1) English Adj 1
- (1) Functional Math 1
- (1) Science Adj 1
- (1) Social Studies 1
- (½) Health
- (¼) Physical Education 1
- (1) Independent Living
- (1) JOBS and/or TAL
- (1) Elective

10th Grade

- (1) English Adj 2
- (1) Functional Math 2
- (1) Science Adj 2
- (1) Social Studies 2
- (¼) Physical Education 2
- (½) Elective
- (1) Independent Living
- (1) JOBS and/or TAL
- (1) Fine Art

11th Grade

- (1) English Adj 3
- (1) Functional Math 3
- (1) Science Adj 3
- (4) Vocational Program **or** (1) Independent Living
- (1-3) JOBS and/or TAL
- (1) Elective

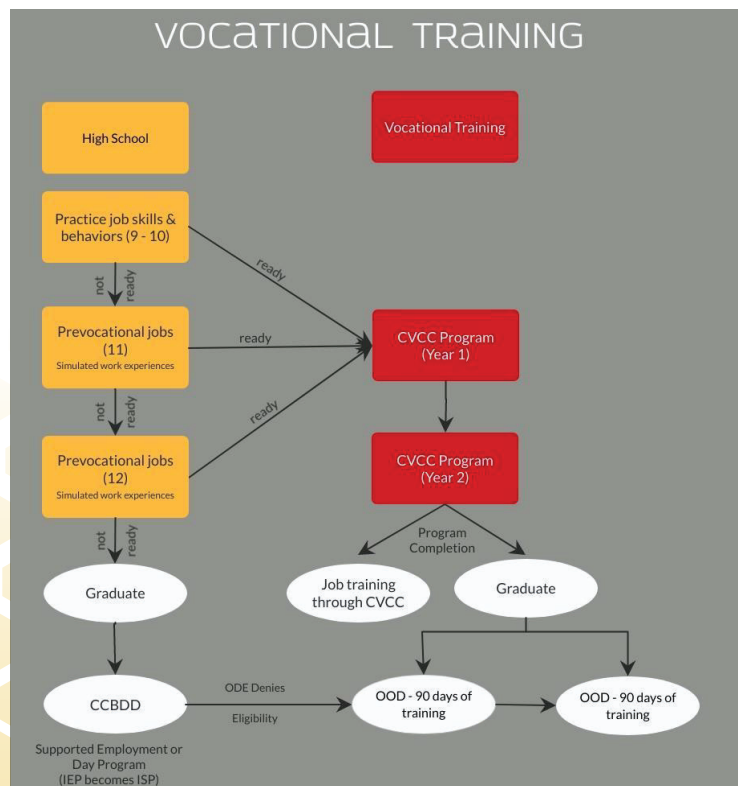
12th Grade

- (1) English Adj 4
- (1) Functional Math 4
- (1) Social Studies 3
- (4) Vocational Program **or** (1) Independent Living
- (1-3) JOBS and/or TAL
- (1) Elective

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SPS CAREER PLANNING SEQUENCE CHART



World Language Courses

French 1 - FRN1HS00AD

Course Number: FRN1HS00AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

French 1 is an introductory course that allows students to progress with beginning proficiency in speaking, reading, listening comprehension, and writing. Students will learn about French culture and also learn to talk about themselves and their families and to make simple requests. Class is conducted in French.

Prerequisite: None

French 2 - FRN2HS00AD

Course Number: FRN2HS00AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

French 2 is a continuation of French 1. This course stresses further development of the four skills: speaking, reading, listening comprehension, and writing in order to attain basic proficiency in the language. Students will learn about the culture and be able to navigate common situations in France, while strengthening their skills in giving opinions and making requests. Class is conducted in French.

Prerequisite: French 1

German 1 - GRM1HS00AD

Course Number: GRM1HS00AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

German 1 is an introductory course that allows students to progress with beginning proficiency in speaking, reading, listening comprehension, and writing. Students will learn about German culture and also learn to talk about themselves and their families and to make simple requests. Class is conducted in German.

Prerequisite: None

German 2 - GRM2HS00AD

Course Number: GRM2HS00AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

German 2 is a continuation of German 1. This course stresses further development of the four skills: speaking, reading, listening comprehension, and writing in order to attain basic proficiency in the language. Students will learn about the culture and be able to navigate common situations in Germany, while strengthening their skills in giving opinions and making requests. Class is conducted in German.

Prerequisite: German 1

German 3 Honors - GRM3HS00HN

Course Number: GRM3HS00HN

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

German 3 Honors continues to develop the four basic language skills. Students work to develop fluency through impromptu conversations, speeches, and an introduction to more complex grammatical structures. Students will be introduced to literature through fairy tales, short stories, and a radio play. Class is conducted in German.

Prerequisite: German 2

German 4 Honors - GRM4HS00HN

Course Number: GRM4HS00HN

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

German 4 Honors offers students the opportunity to develop and enhance their individual skills. Students will read a variety of materials, develop a much broader vocabulary, as well as further develop their skills in intercultural competence. The grammar presented in the first three years is completely reviewed, and students will learn some advanced grammar to enhance their reading, writing, speaking, and listening skills. Class is conducted in German.

Prerequisite: German 3

AP German Language & Culture - GRMLHS00AP

Course Number: GRMLHS00AP

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

AP German Language & Culture will review and reinforce the grammatical and communication constructs needed to further develop the four skills: speaking, reading, listening comprehension, and writing. A continued understanding of German literature and culture while increasing fluency are simultaneous goals. Students will practice and review the format and exercises similar to those they will encounter on the AP German Language Examination.

Prerequisite: German 4 /German 4 Honors and Teacher or counselor recommendation

Spanish 1 - SPN1HS00AD

Course Number: SPN1HS00AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Spanish 1 is an introductory course that allows students to progress with beginning proficiency in speaking, reading, listening comprehension, and writing. Students will learn about Hispanic culture and also learn to talk about themselves and their families and to make simple requests. Class is conducted in Spanish.

Prerequisite: None

Spanish 2 - SPN2HS00AD

Course Number: SPN2HS00AD

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Spanish 2 is a continuation of Spanish 1. This course stresses further development of the four skills: speaking, reading, listening comprehension, and writing in order to attain basic proficiency in the language. Students will learn about the culture and be able to navigate common situations in Spanish speaking countries, while strengthening their skills in giving opinions and making requests. Class is conducted in Spanish.

Prerequisite: Spanish 1

Spanish 3 Honors - SPN3HS00HN

Course Number: SPN3HS00HN

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

Spanish 3 Honors continues to develop the four basic language skills. Skills previously learned are further developed with an emphasis on speaking. Students develop fluency through prepared and impromptu oral presentations and conversations. Advanced points of grammar are introduced and expanded. Students also expand skills in intercultural competence. Class is conducted in Spanish.

Prerequisite: Spanish 2 and teacher recommendation

Spanish 4 Honors - SPN4HS00HN

Course Number: SPN4HS00HN

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Fee: Workbook

Open To: freshmen, sophomores, juniors, seniors

Spanish 4 Honors offers the students the opportunity to develop and enhance their individual skills. Students will read a variety of materials, develop a much broader vocabulary, as well as further develop their skills in intercultural competence. The grammar presented in the first three years is completely reviewed, and students will learn some advanced grammar to enhance their reading, writing, speaking, and listening skills. Class is conducted in Spanish.

Prerequisite: Spanish 3 Honors and teacher recommendation

AP Spanish Language & Culture - SPNLHS00AP

Course Number: SPNLHS00AP

Course Length: year

Credits: 1.0- NCAA Eligible & NHS Eligible

Open To: freshmen, sophomores, juniors, seniors

In this advanced course, students develop both fluency and accuracy in all their communicative skills. Students will read a variety of materials, develop a much broader vocabulary, and learn advanced grammar syntaxes to enhance their reading, writing, speaking, and listening skills. There is a heavy emphasis on cultural topics. Students will practice and review the format and exercises similar to those they will encounter on the AP test. Class is conducted in Spanish.

Prerequisite: Spanish 4 Honors & Teacher or counselor recommendation

English Language Learners 1 - ELL1HS00AD

Course Number: ELL1HS00AD

Course Length: year

Credits: 1.0 elective credit- NHS Eligible

Open To: Students whose native language is one other than English.

This course is designed for English Learners and incorporates instruction for all four language domains: listening, speaking, reading, writing. Through a variety of activities, the goal of the class is for students to become proficient enough in English that they can perform at an academic level commensurate with their English speaking peers. It is taught with the understanding that each student will come to the class with a different level of English proficiency; and therefore, activities are structured so that all students' needs are met. This course can be taken for credit for two years.

Prerequisite: Teacher/counselor recommendation

English Language Learners 2 - ELL2HS00AD

Course Number: ELL2HS00AD

Course Length: year

Credits: 1.0 elective credit- NHS Eligible

Open To: Students whose native language is one other than English.

ELL 2 is designed for ELL students who are more advanced in their level of English. This course is designed for English Learners and incorporates instruction for all four language domains: listening, speaking, reading, writing. Through a variety of activities, the goal of the class is for students to become proficient enough in English that they can perform at an academic level commensurate with their English speaking peers. It is taught with the understanding that each student will come to the class with a different level of English proficiency; and therefore, activities are structured so that all students' needs are met. This course can be taken for credit for two years.

Prerequisite: Teacher/counselor recommendation



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**Brecksville-
Broadview Heights
City School District**

