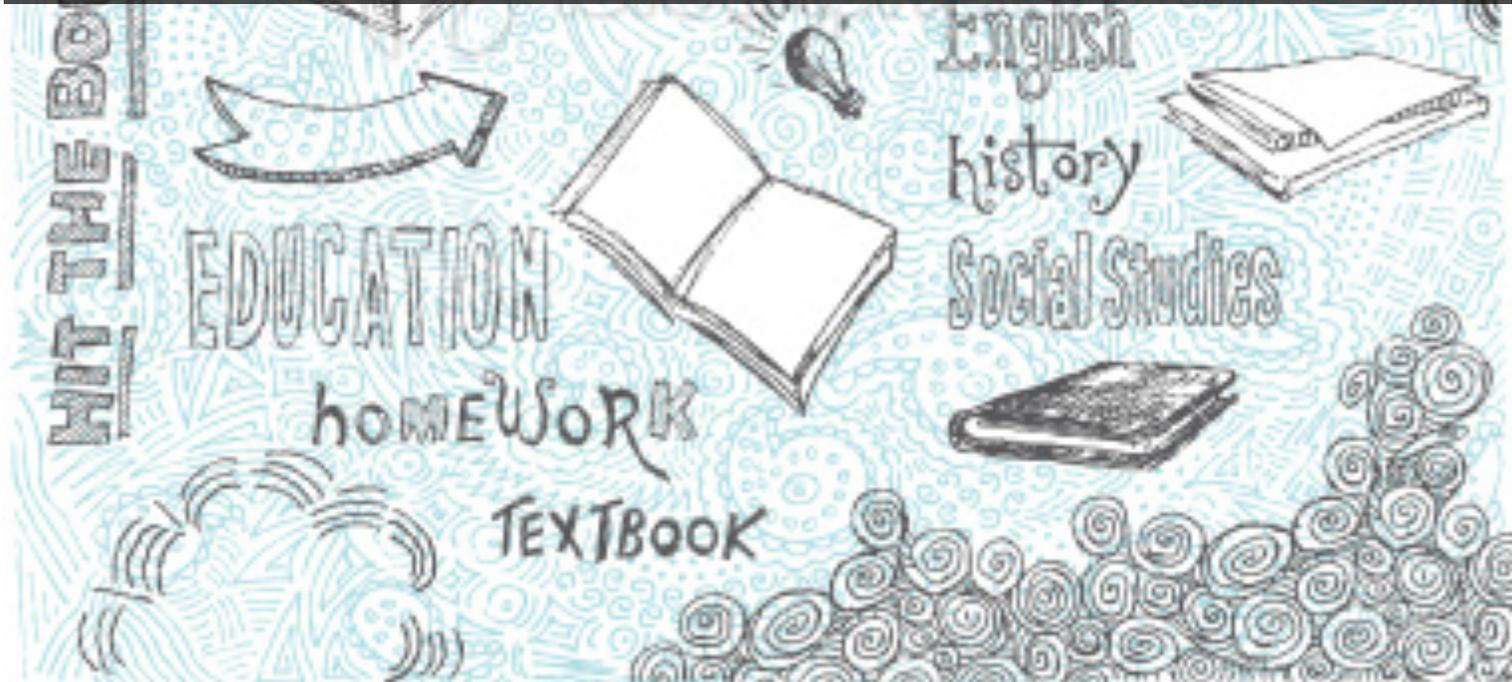


# STUDENT EDUCATION AND CURRICULUM GUIDE



**ARCHBOLD HIGH SCHOOL**  
**2018-2019**

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## ARCHBOLD AREA SCHOOLS MISSION STATEMENT

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The Archbold Area Schools are committed to the pursuit of continuous improvement in the quality of education that stresses teamwork, integrity, the dignity of the individual, and a desire to make a positive difference in the greater community. Through the cooperative efforts of parents, teachers, students, and community members, an environment will be established where students have the opportunity to develop a joy for learning and an appreciation for the principles that will improve their quality of life.

It is the policy of the Archbold Area Schools' Board of Education that no student or employee shall be discriminated against because of gender, race, color, religion, national origin, sexual orientation or physical handicap.

## SCHOOL COUNSELING SERVICES

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Archbold High School is serviced by two licensed professional school counselors. The school counselors are employed to support the academic, personal/social and career needs of all students and to help ensure all students graduate from high school being college and career ready. The school counselors provide assistance to students and families through a variety of activities, which include:

- Individual counseling
- Course selection and scheduling
- College and career planning services
- Testing and placement
- Coordination with community agencies and referrals
- Transcript and academic records
- Classroom guidance

To learn more about the school counseling program, visit their website at:  
<http://net.archbold.k12.oh.us/ahs/guidance/ahs/index.html>

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## SCHEDULING POLICIES & PROCEDURES

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The basis for building a master schedule of course offerings is the consideration of course requests made by students. When students make their course requests, it is understood that their schedule will reflect these choices as best as possible. Students should receive a copy of their intended schedule in May.

Students are encouraged to review their educational goals with their parent/guardian and school counselor in order to tailor their schedule to meet their post-secondary plans. The following will help in selecting an appropriate program of study:

- Be sure to include all the courses necessary to meet graduation requirements.
- Thoroughly review the course descriptions.
- Be realistic about your ability and aptitude when selecting your courses.
- Consider the pre-requisites and recommendations necessary for each course.
- Consider your interests and take courses that will increase your knowledge in these areas.
- Consider entrance requirements of interested post-secondary schools and careers.

Below are specific parameters that must be followed when scheduling courses:

- AHS operates on an eight (8) period day. For seven (7) of those periods, students must be enrolled in a face-to-face course. Students have the option of filling their additional period with either a study hall, online NOVA elective course or additional face-to-face course offered at AHS.
- All courses must be taken in the required sequence and meet pre-requisites.
- Students and parents/guardians may NOT request placement with a specific teacher.
- Any deviation from the requirements above must be approved by a school counselor and administration.

**Changes to schedules must be made within the first five (5) days of the start of each semester.** Students must meet with their school counselor to obtain a *Schedule Change Request Form* that must be signed by impacted teachers and returned prior to changes going into effect. Acceptable reasons for making a schedule change include:

- Academic misplacement (student is in a class that is too easy or difficult)
- Scheduling error on the part of the school
- Adjustments due to course failures/remediation
- Physical or mental impairment that impacts involvement in a course
- Failure to meet pre-requisites required for a given course

Changes to schedules after the five (5) day cut-off will only be made so long as they meet one of the above acceptable reasons and upon approval by administration.

## WITHDRAWING FROM A COURSE

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Any withdrawal from a course without penalty is not permitted except as defined in the scheduling policies and procedures. Withdrawals made after the first five (5) days of the start of the semester will result in a "Withdrawal Fail" or "WF" for the semester. This grade will appear on the student's transcript and will be figured into the cumulative grade point average and class rank. Only the administration may grant an exception to this rule.

## GRADUATION REQUIREMENTS

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To graduate from Archbold High School, students must meet the following curriculum and credit requirements as established by the Board of Education. Students must also meet the testing requirements established for their graduating class by the Ohio Department of Education (see next two sections for testing requirements). Students who choose to attend Four County Career Center must meet all AHS graduation requirements with the exception of Economics. Credits must include the following:

### Archbold High School Requirements

- 21 total credits
- 4 credits English
- 4 credits Math (including Algebra 2)
- 3 credits Science (including 1 credit of Physical and Life Science)
- 3 credits Social Studies (including 1 credit of World History, US History and American Government)
- 0.5 credits Physical Education
- 0.5 credits Health
- 0.5 credits Economics\*
- 5.5 credits Electives
- Fine Arts Requirement\*\*
- Financial Literacy Requirement\*\*\*

\* FCCC students are exempt from the Economics credit requirement.

\*\* Fine Art Requirement may be met anytime between grades 7-12.

\*\* Financial Literacy Requirement is met in Economics course at AHS and Government course at FCCC.

## GRADUATION TESTING OPTIONS

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Students will have three options for meeting their assessment requirement needed to graduate. The three options are outlined below.

- 1. Earn a cumulative passing score on seven end-of-course exams:** Students will take a series of end-of-course exams and will earn “graduation points”. Exams will be taken in *Algebra I, Geometry, English I, English II, Biology, American History and American Government*. Students will earn a score of 1 through 5 on each exam. To meet this requirement, students must score a total of 18 graduation points. Of those 18 graduation points, 4 points must come from English, 4 points from Math and 6 points from Science/Social Studies. Students will take these exams at the end of the year in which they take the course and will have an opportunity to retake exams if needed.
- 2. Earn a “remediation free” score on a nationally recognized college admission exam:** All students will take the ACT free-of-charge during the spring of their junior year. Students must score at a remediation free level as determined by the Ohio Department of Higher Education to meet this requirement. The current remediation-free scores are: 18 English / 22 Reading / 22 Math.
- 3. Earn an industry-recognized credential and passing score on the ACT WorkKeys career assessment:** The Ohio Department of Education has released a list of pre-approved industry credentials and state licenses that will meet this requirement. Students who successfully earn 12 credential points for one or more approved credentials/licenses and achieve a score of 14 on ACT WorkKeys career assessment will meet this requirement.

## Students Being Served by an Individualized Education Plan (IEP) and Testing

Students being serviced by an Individualized Education Plan (IEP) may be approved for testing with accommodations or an alternate assessment geared towards the student's specific learning outcomes. Students may be exempted from the consequences of the test, but must attempt the test before this determination can be made. Testing decisions will be made by the IEP team during the annual IEP review.

## HONORS DIPLOMA

To qualify for any of the state approved honors diplomas, a student must complete the required curriculum by meeting all or all but one of the prescribed criteria of the respective diploma. Students in the class of 2019-2020 may also meet an honors diploma through the previous state-approved criteria. Students starting with the class of 2021 must meet the criteria outlined below.

### Academic Honors Diploma

English	4 units
Math	4 units (Algebra I, Geometry, Algebra II and one higher level course)
Science	4 units (must include two units of advanced science)
Social Studies	4 units
World Languages	3 units of one world language or 2 units of two world languages
Fine Arts	1 unit
GPA	3.5 on a 4.0 scale
ACT/SAT	27 ACT/1280 SAT

### Career Tech Honors Diploma

English	4 units
Math	4 units (Algebra I, Geometry, Algebra II and one higher level course)
Science	4 units (must include two units of advanced science)
Social Studies	4 units
World Languages	2 units of one world language
Electives	4 units of Career-Technical courses
GPA	3.5 on a 4.0 scale
ACT/SAT/WorkKeys	27 ACT/1280 SAT/WorkKeys 6(Reading) & 6 (Math)
Field Experience	Complete field experience
Portfolio	Develop a portfolio of work based on field experience or related topic
Additional	Earn industry credential or proficient on Career-Tech Competency Assessment

### STEM Honors Diploma

English	4 units
Math	5 units (Algebra I, Geometry, Algebra II and two higher level course)
Science	5 units (must include two units of advanced science)
Social Studies	3 units
World Languages	3 units of one world language or 2 units of two world languages
Fine Arts	1 unit
Electives	2 units with a focus in STEM courses
GPA	3.5 on a 4.0 scale
ACT/SAT	27 ACT/1280 SAT
Field Experience	Complete field experience
Portfolio	Develop a portfolio of work based on field experience or related topic

## Arts Honors Diploma

English	4 units
Math	4 units (Algebra I, Geometry, Algebra II and one higher level course)
Science	3 units (must include one unit of advanced science)
Social Studies	3 units
World Languages	3 units of one world language or 2 units of two world languages
Fine Arts	4 units
Electives	2 units with a focus in fine arts courses
GPA	3.5 on a 4.0 scale
ACT/SAT	27 ACT/1280 SAT
Field Experience	Complete field experience
Portfolio	Develop a portfolio of work based on field experience or related topic

## Social Science & Civic Engagement Honors Diploma

English	4 units
Math	4 units (Algebra I, Geometry, Algebra II and one higher level course)
Science	3 units (must include one unit of advanced science)
Social Studies	5 units
World Languages	3 units of one world language or 2 units of two world languages
Fine Arts	1 units
Electives	3 units with a focus in social sciences and/or civics
GPA	3.5 on a 4.0 scale
ACT/SAT	27 ACT/1280 SAT
Field Experience	Complete field experience
Portfolio	Develop a portfolio of work based on field experience or related topic

## EARLY COMPLETION OF HIGH SCHOOL

The high school program is intended to be a four-year experience. The Archbold Board of Education acknowledges that some students may desire to pursue educational/career options that require graduation from school at an earlier date than their designated class. While early graduation is an option, it is strongly recommended that a student take four years to complete high school. Please note that there are specific requirements that must be met to qualify for early graduation. Students wishing to learn more about early graduation are encouraged to meet with their school counselor and obtain an application.

## PARTICIPATION IN GRADUATION CEREMONIES

Students who have met ALL requirements for graduation and have settled ALL outstanding school fees are eligible to participate in graduation ceremonies. Students who have NOT completed their graduation requirement and who still owe fees up to the day prior to graduation will NOT walk at graduation. Students are encouraged to plan ahead to ensure their participation in graduation ceremonies. A representative will meet with seniors in the fall to place orders for caps and gowns and graduation announcements. Students who do not have orders placed in the fall are to see the office secretary for assistance.

## EARNING CREDITS

Students earn credit for the successful completion of courses at the end of each semester. Semester courses are worth 0.5 credits with the exception of Physical Education courses that are worth 0.25 credits.

### Grade Point Average and Class Rank

The semester grades earned at the end of each semester will be used in the calculation of a student's cumulative grade point average (GPA) and class ranking. The semester grade is an average of the two quarter grades and exam. Each quarter is worth 42.5% of the average and the exam is worth 15%. A grade point average is determined by assigning points to a student's semester grades, and then the averages are ranked from the highest to the lowest to determine class rank. The following is the scale used for calculating grade point average and rank:

A = 4.0	B = 3.0	C = 2.0	D = 1.0
A- = 3.7	B- = 2.7	C- = 1.7	D- = 0.7
B+ = 3.3	C+ = 2.3	D+ = 1.3	F = 0.0

### District-Wide Grading Scale

Regular Grading Scale		AP / Honors Grading Scale	
A = 93-100	C = 73-76	A = 90.5-100	C = 68.5-73
A- = 90-92	C- = 70-72	A- = 87.5-90	C- = 65.5-68
B+ = 87-89	D+ = 67-69	B+ = 84.5-87	D+ = 62.5-65
B = 83-86	D = 63-66	B = 79.5-84	D = 57.5-62
B- = 80-82	D- = 60-62	B- = 76.5-79	D- = 54.5-57
C+ = 77-79	F = Below 60	C+ = 73.5-76	F = Below 54

### Incompletes

An incomplete grade results when a student has not completed the required work for a course upon the end of a term and/or semester. Incomplete grades are a student's responsibility and must be taken care of within one week of the end of the quarter, or the incomplete will result in an "F".

### Failures

A course for which a student receives an "F" grade means that a student receives NO credit for that course and the course MUST be remediated if the course is a requirement for graduation. The principal must approve any exception to this policy. Failing grades will greatly impact a student's cumulative GPA and class rank in a negative way.

### Repeating a Course to Improve a Grade

A student may repeat a course and the higher grade will be recorded and used in calculating the cumulative grade point average and class rank. Credit will only be awarded once for the course. Course retakes must be pre-approved by the school counselor before taking.

## CREDIT REMEDIATION OPTIONS

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Students have two options to remediate a failed course. All credit remediation must be taken under supervision and must have the approval of the school counselor before enrolling.

- **Course Retake:** Students may retake a failed course. In such a case, the student will receive a letter grade for the retaken course, which will replace the previous failing grade. Retaking a course can help improve a student's academic standing.
- **Apex Learning:** If a student elects to not retake a failed course, they will automatically be enrolled into the online Apex Learning remediation program the following semester and will be required to work on that remediation course daily during an assigned study hall. Remediation courses completed online will be given a Pass/Fail grade. Online remediation does not remove a failure from a student's transcript nor will it improve a student's academic standing.

## NORTHWEST OHIO VIRTUAL ACADEMY (NOVA)

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The Northwest Ohio Virtual Academy (NOVA) provides students in grades 10-12 with an opportunity to take an online elective course during the school day. Students have the option of taking one (1) credit of online coursework in a given year. All NOVA electives are computer instructed courses that do not have an assigned teacher. NOVA courses are exploratory and are graded as Pass/Fail. As a result, students will earn credit for the completion of a NOVA course, but passing the course will not impact a student's GPA or course ranking. Failure to pass or complete a NOVA course will result in a failing grade that will be placed on a student's transcript and negatively impact their academic standing.

Students requesting to participate in NOVA will be provided with an application at the time of course registration. A list of available NOVA electives will be on that application. Students and parents/guardians must agree to the terms and conditions outlined on the application in order to participate. A description of available online electives can be requested from a school counselor.

## CREDIT FLEXIBILITY OPTION

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Ohio Senate Bill 311 allows students in high school to earn credit through a variety of means. The credit flexibility option is an opportunity for students to tailor fit their high school education to their own personal learning goals. Students may earn credit in the following ways. Credit flexibility packets and applications can be obtained from a school counselor.

- **Option A:** Complete traditional coursework
- **Option B:** Testing out or showing mastery of course content
- **Option C:** Pursue a non-traditional educational option such as a research-based project, distance learning, internship, service learning or other method developed by the student and approved by the school

## SENIOR WORK RELEASE

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Seniors may apply for work release (8th period only unless otherwise permitted by administration) to go to work. Students interested in work release must meet with a school counselor for more information and for an application. To be eligible for this option, seniors must be on track for graduation with regards to credits and testing and be in good standing with their current courses. Students will be required to go to study hall during their work release time if they are on the weekly eligibility list and may return to the work release program once they have improved their grades.

## FOUR COUNTY CAREER CENTER

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Four County Career Center is a state-supported career and technical center that offers a wide variety of career programs for students during their junior/senior year. To learn more about the unique offerings at Four County Career Center, visit their website at [www.fourcounty.net](http://www.fourcounty.net).

To attend Four County Career Center, students must have 8 credits by the start of their junior year (5 of those must come from Core graduation courses) and meet any specific requirements for the career program. The application deadline is February 1<sup>st</sup> of each year and students must have 6.5 credits at that time to be placed into a program. Four (4) of these credits must come from core graduation courses. While at Four County, students are considered members of AHS and will receive a diploma from AHS. In addition, students will receive a certificate of completion and career portfolio from Four County Career Center. The programs offered by Four County Career Center are:

- Accounting & Business Management
- Agricultural Diesel Mechanics
- Auto Collision Repair
- Automotive Technologies
- Building Trades/Carpentry
- Chef Training
- Computer Design/3D Modeling
- Cosmetology
- Culinary Arts Management
- Diesel Mechanics
- Early Childhood Education
- Electrical
- Fire and Rescue
- Floral Design
- Health Careers
- Hospitality Services (IEP students only)
- Industrial Services (IEP students only)
- Interior Design
- Landscape & Greenhouse Technologies
- Law Enforcement and Security Tactics
- Mechanical Systems & Piping
- Medical Office Technologies
- Network Administration & Cybersecurity
- Powersports
- Software Development and Game Design
- Specialized Mechatronics & Robotics Technology
- Sports Fitness and Exercise Science
- Veterinarian Assistant
- Visual Art and Design
- Welding Fabrication

Students choosing to attend Four County Career Center are encouraged to participate in the programs available for the full day, but do have the option of choosing to only attend Four County Career Center for their lab and to take their required courses at AHS. In order for students to participate in a half-day schedule, they must have their own transportation to and from Four County Career Center and they must be able to fit their required courses in their schedule. See your school counselor if interested in a half-day schedule to explore your options.

A student who is scheduled to attend or currently attends Four County Career Center may return to AHS. The following protocol must be met to return to AHS:

- Requests should be made prior to the start of a semester. Students requesting to return mid-semester will be strongly encouraged to finish the semester at FCCC to avoid the loss of credits.
- Student and parent/guardian must meet with the school counselor to discuss the implications of returning to AHS and to schedule courses.
- Student will be required to obtain a signature from their Four County school counselor to verify their withdrawal from Four County Career Center.

## COLLEGE AND CAREER READINESS

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Students have many options available to them after high school and it is the school's mission to ensure that every student graduates from Archbold High School college/career ready. Throughout high school, students will be exposed to a wealth of information and opportunities designed to help them explore and plan for post-secondary schooling and career options. Students are encouraged to see their school counselor to discuss their plans. Below is some general information for consideration.

### Career Pathways

There are multiple career pathways a student may choose to take during and after high school that can help them achieve their career goals. These include: 4-year college, 2-year college, career & technical training, military and entering the workforce.

### College Preparatory Curriculum

Many colleges have a preference of high school courses they like to see students have upon applying to college. All college-bound students are encouraged to follow these guidelines. Please note that colleges have varied requirements and students are encouraged to research schools to ensure their high school course work is adequately preparing them.

- 4 credits of English
- 4 credits of College Prep Math (Algebra II at a minimum)
- 4 credits of Social Studies
- 4 credits of Science (including lab-based science)
- 2-3 credits of the same Foreign Language
- 1 credit of Fine Art (music, art, drama, etc.)

### College Tests

There are two national testing programs whose tests are used for college admission and/or placement. A student should check with colleges to verify which test is preferred. Each test is given multiple times a year and students are encouraged to take the tests more than once. Generally, colleges will use the highest score(s) for admission/scholarship consideration.

- **ACT (American College Testing Program):** The ACT is a measure of scholastic aptitude in English, mathematics, reading and science reasoning. An optional writing test is available and required by some colleges. Students must register online at [www.actstudent.org](http://www.actstudent.org) for the test.
- **SAT (Scholastic Aptitude Test):** The SAT is designed to measure how well students have developed verbal, writing and mathematical skills. Students must register online at [www.sat.collegeboard.org](http://www.sat.collegeboard.org) for the test.

Students are encouraged to prepare for these tests through study and practice. Both testing programs provide test preparation materials on their websites. AHS also offers students the opportunity to take the PSAT, a practice SAT test used for the National Merit Scholarship Program. The PSAT is given in October to interested juniors.

### **NCAA/NAIA Athletic Eligibility Requirements**

Students wanting to play athletics at the college level must ensure they meet the guidelines of eligibility for that specific division. NCAA Division I/II institutions have adopted certain academic requirements that must be met for a student to qualify for participation in athletics and to receive scholarships. NAIA institutions have also established eligibility requirements for students. Both NCAA and NAIA have an online clearinghouse that students must register for during their junior or senior year to begin the process of establishing eligibility. Students should visit either clearinghouse or see a school counselor for the specific eligibility requirements. **It is the responsibility of the student to understand NCAA/NAIA requirements.** The school counselors are not involved in the recruitment process. Students should work with their coaches to ensure they are following recruitment requirements. Below are the initial steps that should be followed to establish your eligibility:

- Send your SAT or ACT test scores directly to the NCAA and or NAIA Clearinghouse (this is done when registering for either test).
- Register with NCAA at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) or the NAIA at [www.playnaia.org](http://www.playnaia.org).
- Print the required transcript release form and bring to a school counselor so your transcript can be sent to the clearinghouse.

## **ADVANCED PLACEMENT**

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Advanced Placement (AP) is a highly regarded, nationally recognized curriculum developed by College Board that allows students to study college-level material while in high school. Performance on the AP test may translate into college credit dependent upon the score and the policies of the institutions students attend. AHS currently offers AP Government, AP English, and AP Chemistry. Courses are described in the course catalogue of this guide. **Students who participate in AP courses will be required to pay for and take the AP exam at the end of the year.**

## **ARTICULATED AGREEMENTS**

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An Articulated Agreement is an arrangement between the high school and an institution of higher education that awards college credit for the completion of certain high school courses should that student attend that particular institution. Currently, Archbold High School maintains an articulated agreement with the University of Northwestern Ohio that recognizes Business Management Ag & Environmental Systems as the first business course for credit, provided the student pass the course with a minimum grade of B and earns a passing score on the end-of-course exam from the Ohio Department of Education.

## **COLLEGE CREDIT PLUS**

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College Credit Plus is the state program mandated by law that affords students in grades 7-12 the opportunity to earn transcribed college credit while in high school. College Credit Plus replaces the Post-Secondary and Dual Enrollment Options that have been made available in the past. Through College Credit Plus, qualified students have the opportunity to earn college credit through a variety of means including taking courses at the college, taking approved college courses at the high school and taking college courses online. The annual College Credit Plus meeting will be held at the high school each winter and information about the program can be found at the AHS guidance website. Students wishing to participate in College Credit Plus must meet the following criteria and adhere to all deadlines established by Archbold High School policy:

- Attend a mandatory student and parent/guardian meeting each winter of the year prior to participation.
- Submit a signed Intent to Participate form by April 1 of each year prior to participation.
- Establish a college ready score on at least one subtest of a state-approved college readiness assessment or score within one standard deviation and have a high school GPA of 3.0.
- Apply to and be accepted to the institution of higher education in which they plan to take courses (this includes completion of an application, testing requirements and any other established criteria)
- Submit a final college schedule to the school counselor prior to the start of each term as defined: May 15 for Summer Term / Last Day of AHS Semester 2 for Fall Term / Last Day of AHS Semester 1 for Spring Term

College Credit Plus courses available within the high school and taught by a high school teacher are marked with a “CCP” in the course catalogue.

## **ELIGIBILITY FOR SPORTS & EXTRA-CURRICULAR ACTIVITIES**

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In order for a student to be eligible to participate in athletics, a student must be currently enrolled and have been enrolled during the immediately preceding grading period in a minimum of 5 credit hours. To be eligible, a student must maintain a 1.25 GPA and not earn more than one failing grade in the preceding grading period. The eligibility of incoming freshmen is contingent on the student passing 75% of those subjects carried the preceding grading period in which the student was enrolled.

Archbold High School monitors eligibility (including those attending Four County) for athletics and extra-curricular activities on a weekly basis. Any student receiving 2 F's in one week will be ineligible to participate the following week. The 5-credit rule is also in effect each week. Athletes and participants becoming ineligible due to weekly eligibility may practice at the coach's/advisor's discretion.

## ACADEMIC AWARDS

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### Alpha & Honor Roll

The Alpha and Honor Roll for each nine-week period is determined by the grade point average earned on the student grade card. All classes at AHS are used to determine Honor Roll. To be named on the honor roll at Archbold High School a student must have a 3.0 average and be enrolled in at least 2 courses at the high school. To be named on the alpha roll a 3.7 average must be met, along with the other requirements listed above for the honor roll. Students enrolled in a Post-Secondary Enrollment Options Program must be enrolled in 2 academic courses (defined as those earning 1/2 credit per semester) at AHS to be eligible for the Honor and Alpha Roll.

### Academic Letter

Students may earn an Academic Letter all four years in high school upon meeting the established GPA requirement at the end of the first semester of the year. In the first year a student will earn an Academic Letter and will then earn a star pin for their letter for each subsequent year. The GPA guidelines are as follows:

*Freshman: 3.85 GPA after the 1<sup>st</sup> semester*  
*Sophomore: 3.80 GPA after the 1<sup>st</sup> semester*

*Junior: 3.75 GPA after the 1<sup>st</sup> semester*  
*Senior: 3.70 GPA after the 1<sup>st</sup> semester*

### Top 10% of the Class

Each year, AHS recognizes those students who rank in the top 10% of their graduating class. This recognition is based off of the students ranking in the class, which is determined by their cumulative grade point average at the end of the first semester of senior year.

## STUDENT RECORDS & RELEASE OF CONFIDENTIAL INFORMATION

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Under Federal Law, “The Family Educational Rights and Privacy Act of 1974”, schools must permit parents of students to inspect their child’s records upon request to administration and must not permit others not specified by the law to have access to student records without written consent. These rights are granted to the student themselves upon their 18<sup>th</sup> birthday. Students wishing to have a transcript released to any third party must submit a signed **Transcript Release Form** to their counselor. This form can be accessed from the guidance website and requires a parent/guardian signature (students under 18) or student signature for those 18 or older.

# AHS COURSE CATALOGUE

## AGRICULTURAL EDUCATION DEPARTMENT

All students who take an Agricultural Education course will participate in 1) classroom and lab, 2) FFA and 3) supervised agricultural experience (SAE).

FFA is a national youth organization that allows students to develop their potential for success through leadership, personal growth, and career success. FFA activities include local chapter meetings, state and national conventions, judging contests, and many service-based projects. The SAE component is the area where students develop their responsibility through some sort of project. Projects are to be done in addition to class time and may consist of ownership, job placement, home improvement, exploratory, or experimentation, all of which must have direct learning outcomes relating to Agriculture.

Students who complete two years of science-based agriculture courses (those marked with a #) may request to be awarded one credit of science to use towards their graduation requirements.

### Agriculture, Food, and Natural Resources # Grades 9-10 / 1 year / 1 Credit

This course introduces students to the pathways that are offered in the Agricultural and Environmental Systems career field. As such, learners will obtain fundamental knowledge and skills in food science, natural resource management, animal science & management, plant & horticultural science, power technology and biotechnology. Students will be introduced to the FFA organization and begin development of their leadership ability. Completion of this course may be used in conjunction with another eligible course towards the awarding of 1 credit of science toward graduation.

### Agronomic Principles # Grades 10-12 / 1 year / 1 Credit

This course focuses on the knowledge and skills required to research, develop, produce and market major agricultural and horticultural crops. Cultural and sustainable production practices will be examined. Students will apply scientific knowledge of plant development, nutrition and growth regulation. The knowledge and skills needed to manage water, soils, and pests related to agronomic crops will be learned. Students will employ communication, business, and management strategies appropriate for the industry.

**Prerequisite: Agriculture, Food & Natural Resources or permission from the instructor.**

### Livestock Science # Grades 10-12 / 1 year / 1 Credit

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

**Prerequisite: Agriculture, Food & Natural Resources or permission from the instructor.**

### Mechanical Principles Grades 10-12 / 1 year / 1 Credit

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills. **Prerequisite: Students must have taken, or currently be enrolled in, 1 year of Agricultural Education or Industrial Technology.**

### Science and Technology of Food # Grades 11-12 / 1 year / 1 Credit

This course examines the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine principles of food preservation techniques and determine correlations to food sensory, shelf life and food stability. Learners will examine and develop food safety, sanitation, and quality assurance protocol. Government regulations and food legislation will be examined and the implications to food science and technology will be identified. A great deal of emphasis will be placed specifically on dairy and meat products as well. **Prerequisite: Students must have successfully completed Biology or have instructor permission to enroll.**

### Business Management Ag and Environmental Systems Grade 12 / 1 year / 1 Credit

Learners will examine elements of business, identify organizational structures and identify and apply management skills. Learners will develop business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use

marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Learners will practice customer sales techniques and apply concepts of ethics and professionalism while understanding related business regulations. Students in this class will also be primarily responsible for managing the school farm. Students who successfully complete this course will receive credit for the first business course at the University of Northwestern Ohio, should they pursue higher education at that institution.

### **Agricultural and Environmental Systems Capstone**

**Grade 12 / 1 year / 3 credits**

Students must be concurrently enrolled in Business Management for Agricultural and Environmental Systems to take this course. This course requires the application of learning to a project that serves as an instrument of evaluation. Students will experience on-the-job training by working, preferably, in an agriculturally related business or farm. Agreements must be made between the student, employer, teacher and school. The work time is flexible and can be started June 1, prior to the year of graduation. The student must obtain 450 hours of placement by May 31 of their graduating year to receive credit for the experience. Job visits made by the teacher are used to determine the learning involved and the safety and work conditions. Students must have a job, preferably related to an agricultural field, to leave school on early release for this program – the purpose of this course is to gain agricultural skills on-the-job. Students will be required to maintain a 2.0 GPA in all classes. Problems in this course and other courses – both academically and disciplinary – may result in suspension from early release for this program. Participation in the FFA and SAE programs is still required. Academics will always take precedence over the work-release agreement!

## **ART DEPARTMENT**

### **Art I**

**Grades 9-12 / 1 year / 1 credit**

This course emphasizes a hands-on learning of the elements of art and the principles of design, color theory and vocabulary by introducing a wide variety of media and artists throughout history to the present. Students are provided a strong foundation in design, drawing, and technique in a teacher-structured environment. Studio habits of mind are introduced to foster creativity and emphasize problem solving and decision-making.

### **Art II**

**Grades 10-12 / 1 year / 1 credit**

Art II is the continued exploration of various media and techniques in both two and three-dimensional design. It is a must for those who hope to pursue a career in art. Projects include painting, sketching, ceramics and printing. **Prerequisite: Successful completion of Art I or permission from instructor.**

### **Advanced Art**

**Grades 11-12 / 1 year / 1 credit**

The Advanced Art course is designed to challenge and build on student's prior experiences and to introduce the concept of an artist's portfolio. This student-centered class will focus on developing one's own style and vision using media of individual choice. Students will research, produce, document and reflect on each piece. At the end of the year, students will be required to participate in the art show with a minimum of 4 pieces. **Prerequisite: Successful completion of Art II or permission from instructor.**

## **BUSINESS DEPARTMENT**

### **Accounting I**

**Grades 9-12 / 1 year / 1 credit**

In Accounting I, students become familiar with the basic principles of keeping business records through practical problems. Students learn accounting terminology (the language of business) and develop an understanding of basic accounting concepts, principles, practices and procedures. The course is recommended for any student and is an elective and does not fulfill a math requirement.

### **Accounting II**

**Grades 10-12 / 1 year / 1 credit**

This course will act as a continuation from the first year Accounting course. A simulation will be completed. The students will frequently work on their own and are required to meet pre-set deadlines. The course is highly recommended for students thinking about a career in business, management or finance. **Prerequisite: "C" average in Accounting I or permission from the instructor.**

### **Introduction to Business**

**Grades 10-12 / 1 semester / 0.5 credit**

This class will explore the many different careers available in the business arena. The major components of a business will be introduced including production, service, marketing, finance, management, accounting, and human resources. The course will also examine the economic, social, competitive and regulatory environment of business.

### Personal Finance

Grades 11-12 / 1 semester / 0.5 credit

Personal Finance will help students create their own financial plan. It's designed to provide students with opportunities to develop skills for solving real world problems. The focus will be on saving money, negotiating great deals, establishing a budget that works, understanding different types of investments, setting career goals and much more. This course will provide a foundational understanding for making informed personal financial decisions as well as teaching the responsibilities and dangers of social networking. This course is for any student who wants a better understanding of their money and how it can work for them.

### Financial Accounting (CCP) (ACC111)

Grades 11-12 / 1 semester / 1 credit

This course is designed for students who have a solid understanding in Accounting I and plan to attend college majoring in business or accounting. Topics to be covered, but not limited to the accounting cycle, receivables, inventory, depreciation, liabilities, investments and stock. Completion of this course may qualify for 3 credits of Financial Accounting from NSCC. **Prerequisite: "C" average in Accounting I and/or II or permission from the instructor. Students must also meet all requirements set by NSCC.**

### Managerial Accounting (CCP) (ACC112)

Grades 11-12 / 1 semester / 1 credit

This course is designed for students who have a solid understanding in Accounting I and plan to attend college majoring in business or accounting. Topics to be covered, but not limited to the statement of cash flows moving into job ordering, project costing, activity based costing, cost behavior, budgeting and other managerial topics. Completion of this course may qualify for 3 credits of Managerial Accounting from NSCC. **Prerequisite: NSCC Financial Accounting (ACC111). Students must also meet all requirements set by NSCC for participation.**

### Payroll Accounting (CCP) (ACC120)

Grades 11-12 / 1 semester / 1 credit

This course includes the various phases of the Social Security Act, unemployment compensation, federal withholding tax, and systems of accounting used in keeping payroll and wage records. Students complete the necessary federal and state tax reports and apply payroll accounting concepts to microcomputer applications. **Pre / Co-requisite: NSCC Financial Accounting (ACC111) or Managerial Accounting (ACC112). Students must meet all requirements set by NSCC for participation.**

### Marketing (CCP) (MKT110)

Grades 10-12 / 1 semester / 1 credit

Marketing is an introductory course that exposes the student to the "marketing mix" (product, price, promotion, and distribution). Topics include the global environment and social and ethical responsibilities; using technology and information to build customer relationships; target markets and customer behavior; product decisions; distributing decisions; promotion decisions; and pricing decisions. The topics are looked at from the profit and nonprofit viewpoint. Global as well as domestic strategies are examined. The student is introduced to the above topics through lecture, textbook readings, media presentations, classroom discussions, and a team marketing project. Completion of this course may qualify for 3 credits of Marketing from NSCC. **Pre / Co-requisite: NSCC Microeconomics (ECO212). This will count towards the economics graduation requirement. Students must also meet all requirements set by NSCC for participation.**

## COMPUTER TECHNOLOGY DEPARTMENT

### Desktop Publishing

Grades 9-12 / 1 year / 1 credit

Desktop Publishing offers knowledge of a variety of programs and computer skills. Students will learn Photoshop skills, and will use Word, Pages, InDesign and The Print Shop to integrate text and graphics into publications created for print purposes. Students will also learn methods for creating animated gifs, and digital video recording and editing.

### Web Design

Grades 9-12 / 1 semester / 0.5 credit

This one-semester course teaches students three different methods for creating web pages for the Internet. Units will include using Dreamweaver and Photoshop, HTML and CSS code, and an online site generator to create websites. Students will critique the credibility and design of websites as well.

### Computer Graphics

Grades 9-12 / 1 semester / 0.5 credit

Students will learn how to use Adobe Illustrator to create vector graphics, such as logos and other graphics. They will create original designs as well as learn from graphic designers on the Internet. Attention to detail and following directions are important skills that the students will develop throughout this course.

### Yearbook Design

Grades 10-12 / 1 year / 1 credit

This course is open to students who wish to plan and put together the yearbook in a laboratory situation producing computer-generated layouts. Students must fill out an application to be part of this staff, and

are chosen to work as a photographer, page designer, or combination of the two based on skills, interests, and availability. Interested students need to consider serving as a staff member for more than one year, as the photography and computer skills will build with experience. **Prerequisite: Desktop Publishing and/or advisor permission. Students must submit an application for consideration.**

#### **Microsoft Applications (CCP) (CIS114) Grades 9-12 / 1 semester / 1 credit**

This course is a basic course in which the student learns to operate the personal computer using four components of Microsoft Office software: Microsoft Word, Excel, Access and PowerPoint. All the basic program functions will be covered for each package, as well as many advanced functions. A basic knowledge of the keyboard is helpful. **Prerequisite: Successful completion of a high school computer course or satisfactory score on computer placement test. Students must meet all requirements set by NSCC for participation. Desktop publishing is highly recommended to take prior to this course.**

### **ENGLISH DEPARTMENT**

#### **English 9 Grade 9 / 1 year / 1 credit**

At the ninth grade level, students are encouraged to read a great deal. Reading not only increases knowledge of the world around the student, but also gathers views that authors present about life. Reading will increase vocabulary and aid writing ability. In literature, the following types of writing are studied: novel, short stories, drama, poetry, and non-fiction. Grammar is also emphasized in English 9 as daily oral language, since grammar is considered the basic structure of our language. This is a required course at the freshman level.

#### **English 10 Grade 10 / 1 year / 1 credit**

English 10 is based on world literature and a wide variety of authors and styles. Novels, short stories, essays, poetry and some larger works such as Shakespeare and Greek theater will all be used in integrated thematic studies. Students in English 10 will continue to improve their basic composition skills through multiple writing styles, including narrative, persuasive and explanatory. Grammar and vocabulary acquisition and development will also be a focus.

#### **Honors English 10 Grade 10 / 1 year / 1 credit**

Honors English 10 will provide challenging opportunities for students to deepen engagement with the same curriculum focus as English 10. The

curriculum for honors course is more demanding and will have requirements beyond those of English 10. Students in this honors course will explore literature more widely and deeply, including more challenging and/or complete print and non-print texts. In addition, students in Honors English 10 will practice academic writing skills and style in the form of literary analysis, fictional compositions, and various short persuasive and analytical essays, along with more detailed versions of narratives, persuasive and explanatory writing. Vocabulary acquisition and development will remain a focus as well. **Prerequisite: "B" or higher in English 9 or instructor approval.**

#### **English 11 CP Grade 11 / 1 year / 1 credit**

English 11 College Prep offers students opportunities to learn basic reading and communication skills expected for success in 2-year and 4-year college programs. Students will chronologically analyze nonfiction, fiction, and poetry selections of American literature for social, religious, and political impact. The course will stress vocabulary acquisition. In addition, students in English 11 CP will learn practical application of writing skills in the form of a research project, an analytical paper, business and technical documents, and various short essays.

#### **Honors English 11 Grade 11 / 1 year / 1 credit**

Honors English 11 offers students opportunities to learn reading and communication skills essential for success in rigorous 4-year programs, at state and private liberal arts colleges and universities. In addition to the CP curriculum, students will chronologically analyze more nonfiction, fiction, poetry and dramatic selections of American literature for social, religious, and political impact. The course will stress academic vocabulary acquisition. In addition, students in Honors English 11 will practice academic writing skills and style in the form of research projects, literary analyses, fictional compositions, and various short persuasive and analytical essays. **Prerequisite: "B" or higher in English 10 or instructor approval.**

#### **English 12 CP Grade 12 / 1 year / 1 credit**

English 12 College Prep includes the study of advanced composition and English literature. The composition portion of the course emphasizes research, expository and analytical writing. Structure, content, and form are thoroughly examined. The English literature study surveys the literature of England from the Anglo-Saxon period through modern times. The history, authors, and literature are studied for appreciation and understanding of England's literary development.

### AP English Literature and Composition Grade 12 / 1 year / 1 credit

Advanced Placement English Literature and Composition is a yearlong course with an emphasis in reading, discussing, writing, and rewriting. The novels, plays, short stories, and poems surveyed consist of American, English, and World Literature written during the 1500s through modern times. With intensive concentration on composition skills and on authors' narrative techniques, this college level course prepares students for the AP Exam, college, and career challenges. Through various class activities, such as student-conducted seminars, the teacher acts as a consultant and facilitator, allowing students to assume responsibility for learning. Students will also be required to pay for and take the AP English Literature Exam in May. **Prerequisite: Overall "B" average in prior English courses or permission of the instructor. Participation in Honors English 10 is recommended.**

### Composition I (CCP) (ENG111) Grade 11-12 / 1 semester / 1 credit

An expository composition course emphasizing the expectations of college-level writing, including thesis development, support and coherence. Students will gain experience using a variety of rhetorical modes. In addition to a number of full-length essays, a short documented paper, based on research materials and using parenthetical references, is required. **Prerequisite: Students must meet all requirements set by NSCC for participation.**

### Composition II (CCP) (ENG112) Grade 11-12 / 1 semester / 1 credit

Building on the skills learned in Composition I, this course further develops the student's writing and research experience, with an emphasis on analytical writing in response to critical reading and class discussion. Using MLA parenthetical documentation techniques, the student will write several short essays and a research paper. **Prerequisite: NSCC Composition I (ENG111) with a grade of "C" or better. Students must meet all requirements set by NSCC for participation.**

### Literature for College Success Grade 11-12 / 1 semester / 0.5 credit

In this world literature class, students will spend a majority of their time reading and interacting with various literary works, similar to a college literature class. These works will challenge them in their comprehension, inference, and synthesizing skills. As they read, students will be asked to write essays analyzing the text, making assertions, and connecting ideas in the text with real life issues. Several larger novels and other lengthy works will be read and analyzed.

### Speech Grades 10-12 / 1 semester / 0.5 credit

Speech class is designed to give students numerous opportunities to speak before an audience. Through various types of speeches, discussion, and impromptu form, a student will gain skills in public speaking. General communication skills will be analyzed along with productive group management skills. This class will count as elective credit and not count towards your 4 required English credits.

## INDUSTRIAL TECHNOLOGY DEPARTMENT

### Introduction to Woods Grades 9-12 / 1 year / 1 credit

Introduction to Woods is an exploratory experience in drafting, design, and woodworking. Each student is encouraged to carry a project through a complete series of phases, beginning with design and planning, research, and then going into the lab to complete the hands-on activities.

### Introduction to Metals Grade 10-12 / 1 year / 1 credit

The metals fabrication curriculum is designed to provide the students with an exposure to the basic practices in the bench metals, sheet metal, arc, oxy-acetylene welding, foundry, and machine areas. The student will gain knowledge and experience by studying and practicing various activities in each area as well as all the safety regulations involved in the field. Drafting fundamentals are also included. Developing strengths in the understanding of blueprint reading, layout, geometric construction, orthographic projection sections, auxiliary projection, pictorials and working drawings are stressed.

### Advanced Woods Grade 11-12 / 1 year / 1 credit

Advanced Woods will cover the areas of architectural drafting, advanced computer drafting and advanced woodworking. CAD drawings will include the design and drawing of residential homes and an advanced woodworking project. Safety tests will be given for every power machine in the woodworking. On the completion of these skills, students will select an advanced woodworking project to complete throughout the remainder of the year. Students may take this course for both the junior and senior year. **Prerequisite: Introduction to Woods.**

### Advanced Metals Grade 11-12 / 1 year / 1 credit

Advanced Metals is a class designed for students with interest in metalworking. Areas studied will include SMAW and GMAW welding with proficiency being required with the 5 main welding positions. Advanced cutting torch and plasma cutting will also be

demonstrated throughout the class. Sheet metal work and foundry will also be reviewed and demonstrated by the instructor. On the completion of these basic skills, students will select an advanced metalworking project to complete throughout the remainder of the year. Students may take this course for both the junior and senior year. **Prerequisite: Introduction to Metals.**

## MATHEMATICS DEPARTMENT

**Calculator Recommendation:** It is recommended that students purchase a graphing calculator. Texas Instruments model TI-83+ is the best model for what students will do in high school mathematics and science courses. Students are encouraged to ask a teacher for advice on an alternative calculator.

### Algebra I A Grade 9 / 1 year / 1 credit

Algebra I A is a course designed to reinforce foundational math concepts. These concepts include adding/subtracting integers, multiplication/division facts, conversions back and forth from fractions to decimals and proper to improper fractions, solving linear equations, factoring & solving quadratic equations, and graphing linear equations.

**Prerequisite: This course is by teacher recommendation only.**

### Algebra I B Grade 10 / 1 year / 1 credit

Algebra I B is a continuation of the Algebra I A, going deeper into the following concepts: functions, inequalities, systems of equations, graphing equations and reading various forms of tables. **Prerequisite:**

**Algebra I A. This course is by teacher recommendation only.**

### Algebra I CP Grade 9 / 1 year / 1 credit

Algebra I incorporates many different areas of mathematics, algebra, geometry, probability and statistics, in real-life problems. Students will write, evaluate, solve, interpret, and graph algebraic expressions and equations. Students will solve and graph linear functions and polynomial, radical and rational functions. **Prerequisite: 8th Grade Math**

### Geometry Grades 9-11 / 1 year / 1 credit

Geometry incorporates different areas of mathematics, algebra, geometry, probability and statistics with an emphasis on the application of the geometrical theorems, postulates, definitions and corollaries to prove various mathematical concepts.

**Prerequisite: Algebra I CP or Algebra I B.**

### Algebra II CP Grades 10-12 / 1 year / 1 credit

Honors Algebra II incorporates many different areas of mathematics, algebra, geometry, trigonometry, and beginning pre-calculus, using them in real-life problems. Students will solve and graph linear, rational, quadratic, and polynomial functions. Students will also explore irrational and complex numbers and use them in higher order thinking. **Prerequisite: "C" or better in Geometry or teacher approval**

### Algebra II Grades 12 / 1 year / 1 credit

Algebra II incorporates many different areas of mathematics, algebra and geometry and progresses at a rate adequate for non-college bound students. Students will solve and graph linear equations, inequalities and quadratic functions. They will also factor and simplify rational expressions. This course is designed for the student began their high school math sequence with pre-algebra or Algebra I A and is not ready for Algebra II CP. **Prerequisite: Geometry. This course is by teacher recommendation only.**

### Statistics Grades 10-12 / 1 year / 1 credit

This course will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Statistics is not meant to replace pre-calculus or Calculus. Most college majors require a statistics course in their plan of study. Students should research majors at colleges of their interest to see if statistics is a requirement. A TI-83+ graphing calculator is required for this course.

**Prerequisite: Algebra II CP or permission from instructor.**

### Pre-Calculus Grades 11-12 / 1 year / 1 credit

Pre-calculus consists of the study of the following topics: functions, exponents and logarithms, analytic geometry, trigonometry, limits, and an introduction to Calculus. It is intended for those students who plan to continue their study of mathematics or the sciences.

**Prerequisite: Algebra II CP.**

### Calculus Grade 12 / 1 year / 1 credit

Calculus makes extensive use of plane geometry and algebra and also the notion of limit and of the limiting processes. From the idea of limit arise the 2 principal concepts of Calculus – the derivative and the integral.

**Prerequisite: Pre-Calculus.**

## MUSIC DEPARTMENT

### Chorale

**Grades 9-12 / 1 year / 1 credit**

This course is a performing group of students who have vocal music ability, a desire to work cooperatively, and a motivation to achieve musical excellence. This group specializes in choral works suitable for school, church, and community functions. The literature used covers a wide range of classical, secular, sacred, popular, rock, and jazz. Public performance at school programs, concerts, and contests are an outgrowth of the classroom and are mandatory. Students will be graded on singing skills, participation, and musical knowledge. In an effort to keep this chorus numerically balanced, auditions may be required at the discretion of the director.

### Women's Select

**Grades 9-12 / 1 year / 1 credit**

This course is a performing group of female students who have vocal music ability, a desire to work cooperatively, and a motivation to achieve musical excellence. This group specializes in choral works for female voice suitable for school, church, and community functions. The literature used covers a wide range of classical, secular, and sacred, as well as popular, rock, and jazz. Public performance at school programs, concerts, and contests are an outgrowth of the classroom and are mandatory for all members. Students will be graded on singing skills, participation, and musical knowledge. This ensemble is open to all female students and no audition is required.

### Instrumental Music

**Grades 9-12 / 1 year / 1 credit**

The curriculum is divided into two performance groups: The AHS Blue Streak Marching Band and the AHS Symphonic Band. All members study and perform in both groups. Practices for the marching band begin before school starts in the fall with attendance required. The Symphonic Band begins immediately after marching band completes its season. This group provides the student with an in-depth experience in all styles of music from classical to pop. Opportunities are also available for the study of solo literature and small ensemble music. Public performances at school programs, concerts, and contests are mandatory for all members.

### Music Theory

**Grades 11-12 / 1 semester / 0.5 credit**

This course is a study of the fundamentals of music. Emphasis is centered on using techniques to part-write, compose, and arrange music. This course will integrate aspects of melody, harmony, texture, rhythm, form, musical analysis, and composition. In addition, musicianship skills such as dictation and

other listening skills are considered an important part of the course. The student's ability to read and write musical notation is fundamental to this course. It is strongly recommended that the student have acquired at least basic performance skills in voice or on an instrument. This course serves as important preparatory work for continued study of music in college.

### Music History

**Grades 11-12 / 1 semester / 0.5 credit**

This course is a survey introduction to the art (classical) music of western culture, including music from the Medieval, Renaissance, Baroque, Classical, Romantic and 20th Century eras, featuring the study of selected masterworks in relation to the periods which they represent. Emphasis is placed on developing awareness of musical style and structure within the historical context of the time period. In addition, this course will examine in-depth the history of music in the United States from the colonial period to the present. Music samples representative of American Music will be utilized in class including popular (Pop) music.

### Music Theater & Drama

**Grades 10-12 / 1 semester / 0.5 credit**

This class will explore the performance skills necessary to perform in a stage production. Skills such as stage presence, charisma, communication, and facial expression will be studied. Expectations for various types of performances that students encounter (voice recitals, dance routines, public speaking, and storytelling) will be explored. Students will also expand their knowledge about auditions. Areas covered include preparing monologues and songs, improving cold reading skills, creating effective headshots and resumes, and understanding the audition process. Students enrolled in this class will be able to transfer their skills to school, community, and church productions. Involvement in the fall play or spring musical is an expectation of the class.

### Stage Production

**Grades 10-12 / 1 semester / 0.5 credit**

This course is designed to introduce theatrically inclined students to the basics of stagecraft including set design, scene painting, scene construction, properties, lighting, sound, costuming, and stage makeup. Students who enroll in this course will be able to transfer their skills to school, community, and church productions. Involvement in the fall play or spring musical is an expectation of the class. This course does not require any "onstage" components, but does require the demonstration of a wide set of skills at the conclusion of the semester.

**Music Appreciation (CCP) (HUM221)**  
**Grades 11-12 / 1 semester / 1 credit**

This course is designed to lead to a basic understanding and increased enjoyment of music. The study of the relationship of music to general culture and human development is a hallmark of the course. This course covers musical terminology, simple and complex musical forms, and the major historical periods in music with an emphasis on prominent composers and their musical styles through writing and listening examples. The music of each period is examined in relation to the ideas, customs, and political climates prevalent at the time. No prior musical training or experience is required. Students may take this course without taking the college credit portion. **Pre / Co-Requisite: NSCC Composition I (ENG111). Students must meet all requirements set by NSCC for participation.**

**PHYSICAL EDUCATION & HEALTH DEPARTMENT**

**Health**  
**Grade 9 / 1 semester / 0.5 credit**

The objectives of the health course are to better the overall health of the students in the physical, mental, social, spiritual, and emotional aspects. Through the instruction and discussion of these aspects, students will be able to make better decisions and choices to live a healthier, happier life.

**Physical Education II**  
**Grade 9 / 1 semester / 0.25 credit**

This course is a continuation of Physical Education I. The objectives of physical education are to promote growth and development, to develop sportsmanship, teamwork and leadership, to develop playing skills, coordination, personal goals and values, to promote social and emotional challenges through participation, to present leisure time activities of a valuable nature, and to promote self-expression and self evaluation. All sophomores are required to take either PE II or Advanced Lifetime Fitness.

**Advanced Lifetime Fitness**  
**Grades 10-12 / 1 semester / 0.25 credit**

This class is designed to allow students to become more comfortable and knowledgeable in a fitness facility setting. The students will improve fitness levels through strength training, flexibility, agility training, speed training and aerobic conditioning. This course will allow students to learn the names of various exercises and equipment a fitness facility has to offer. They will also learn how to properly use equipment and perform various exercises using free weights. Students will be responsible for keeping track of individual goals and daily progress to see personal gains and improvements. Students may take this course multiple years.

**SCIENCE DEPARTMENT**

**Physical Science**  
**Grade 9 / 1 year / 1 credit**

The ninth-grade year addresses physical science and related principles in Earth and space sciences. Physical science concepts include the nature of matter and energy, identifiable physical properties of substances, and properties of forces that act on objects. Ninth graders learn about forces and motions, structures and properties of atoms, how atoms react with each other to form other substances, and how molecules react with each other or other atoms. Space science topics include theories of the formation of the universe, formation of the stars, and galaxy formations. Students continue to develop a deeper understanding of the processes of scientific inquiry and how these processes use evidence to support conclusions based on logical reasoning. Students investigate how these processes use evidence to support conclusions based on logical reasoning as preparation for the advanced science courses. Writing, math skills, and problem solving skills will be stressed.

**Biology**  
**Grade 10 / 1 year / 1 credit**

Biology is a college-prep, lab-based science that enables students to understand the living environment. Students study life science concepts such as cells and their structure and function, the genetic and molecular bases of inheritance, biological evolution, and the diversity and interdependence of life. Students explain the Earth's history using geologic evidence, identify the Earth's resources, and explore processes that shape the Earth. The flow of energy and the cycling of matter through biological and ecological systems are addressed. Embedded throughout this study are the basic science processes of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, ethical guidelines in science, the interdependence of science and technology, and the study of emerging issues. This course stresses the appreciation for the complexity of life and the use of the scientific method when exploring this complexity through laboratory activities.

**Honors Biology**  
**Grade 10 / 1 year / 1 credit**

Honors Biology is an advanced course that is designed for the highly motivated student with a strong interest in the field of science, nursing or medical careers. Honors Biology will enable students to understand the living environment. Students study life science concepts such as cells and their structure and function, the genetic and molecular bases of inheritance, biological evolution, and the diversity and

interdependence of life. Students explain the Earth's history using geologic evidence, identify the Earth's resources, and explore processes that shape the Earth. The flow of energy and the cycling of matter through biological and ecological systems are addressed. Embedded throughout this study are the basic science processes of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, ethical guidelines in science, the interdependence of science and technology, and the study of emerging issues. This course stresses the appreciation for the complexity of life and the use of the scientific method when exploring this complexity through rigorous laboratory activities. **Prerequisite: "A-" in physical science or permission of the instructor.**

### Chemistry Grades 11-12 / 1 year / 1 credit

Chemistry is a study of matter and its properties. Chemistry includes the topics of atoms, chemical bonds, reactions, types of matter and reaction movement. Chemistry requires adequate reading skills, basic algebra skills and time management skills. Chemistry is strongly recommended for college preparatory students to build critical thinking, problem solving and time management skills. This is a challenging course for those considering going to a college or university. This course is a flipped classroom that will allow the students to work on their organizational skills as well as chemistry.

### Honors Chemistry Grades 11-12 / 1 year / 1 credit

Honors Chemistry covers all of the topics included in chemistry but at a faster pace. In addition, it will also include more challenging examples to problems, lab work, and independence than the alternate chemistry course. This course is considered to be a predecessor to AP Chemistry as a senior. The topics include atoms, chemical bonds, reactions, and types of matter and reaction movement. Honors Chemistry is strongly recommended for college preparatory students that are considering going into careers in medicine, engineering, research & development, agronomy or other science related areas. **Prerequisite: "B" in biology, physical science and Algebra II CP, or permission of the instructor.**

### Environmental Science Grades 11-12 / 1 year / 1 credit

This course is arranged as a survey of the many areas of science, but it is focused on the topics of consumer chemistry and environmental science. The basic foundations of Earth science, life science, chemistry and physics are incorporated into a further understanding of consumer and industrial products

and the impact that these and Earth's inhabitants have on the environment.

### Anatomy & Physiology Grade 11-12 / 1 year / 1 credit

According to the Bureau of Job Statistics, 5 out of the top 10 fastest growing jobs of the next decade will occur in the health care field. Those jobs include physician's assistant, occupational therapy, physical therapy, and nursing. A course in Anatomy and Physiology is essential in preparing for these high need, high wage jobs. This course serves as a survey of the major body systems of the human body. Included in this survey are the skeletal system, the muscular system, the digestive system, the nervous system and others. **Prerequisite: "C" or better in biology.**

### AP Chemistry Grade 12 / 1 year / 1 credit

**Please note that this course meets two periods each day.** AP chemistry is designed to be the equivalent of the general chemistry course usually taken during the first college year. Some of the major topics covered are the following: atomic theory and atomic structure, chemical bonding, gases, liquids and solids, solutions, reaction types, stoichiometry, equilibrium kinetics, thermodynamics and organic derivatives, qualitative analysis schemes and complex ions. Students will be required to pay for and take the AP exam in May. Please note that AP Chemistry meets for two periods a day. **Prerequisite: "B" in chemistry or permission of the instructor.**

### Physics Grade 12 / 1 year / 1 credit

This is a college prep class designed for the students who have a curiosity about the physical world. This course is necessary for engineering, medicine and related fields. Physics is the study of energy in its relationship to matter. It covers the fields of mechanics, heat, light, sound, electricity and magnetism. It includes a great deal of applied mathematics. Students should be familiar with basic algebra, geometry, and trigonometry in preparation for this course. **Prerequisites: Must have completed or be taking Pre-Calculus in conjunction with Physics. It is highly recommended that students take chemistry prior to physics. Teacher approval is needed if chemistry has not been taken.**

### Robotics Grade 12 / 1 semester / 0.5 credit

This course will be set up to introduce students to basic programming as well as problem solving strategies. Students will be required to develop, build, and program mobile robots. This will be a lab-based course which will require students to learn how to code, problem solve, and use critical thinking on

autonomous mobile robots; all useful skills needed to compete in the 21st century economy. **Prerequisite:** **This course is space limited and requires the completion of an application for consideration. Preference will be given to students with an expressed interest in pursuing future STEM or manufacturing related careers.**

## SOCIAL STUDIES DEPARTMENT

### Global Studies

#### Grade 9 / 1 year / 1 credit

In this yearlong course, students will continue the chronological study of world history from 1750 to the present. We will consider the influence of geographic settings, cultural perspectives, economic systems and various forms of government. Students will gain a deeper understanding of the role of citizens and continue to develop their research skills.

### US Studies

#### Grade 10 / 1 year / 1 credit

Tenth-grade students continue the chronological study of the history of the United States, with emphasis on domestic affairs. As students study historic eras, they consider the geographic, cultural, economic and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods. Scholastic UpFront will also be incorporated into the class, as well as current events.

### American Government

#### Grade 12 / 1 year / 1 credit

This one-year course is an in depth study of the structure, organization of, and functions of both federal and state government. Units of study include foundations of American government, political behavior, legislative, executive, and judicial branches, comparative political and economic systems, and participation in state and local governments. Students will engage in an intensive study of the United States Constitution and democratic citizenship. Practical applications will be demonstrated through field seminars, simulations, and debates. Development and implementation of foreign policy issues will be examined in light of current world and national events through weekly magazine and newspaper readings.

### AP United States Government and Politics

#### Grades 11-12 / 1 year / 1 credit

AP Government will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. Units of study are reinforced by participation in We the People simulated congressional hearing and project citizen include the

following: constitutional underpinnings, political beliefs and behaviors, political parties, interest groups, and mass media, institutions of national government, public policy, and civil rights and civil liberties. This is the equivalent of a college course. Students will be required to pay for and take the AP exam in May. **Prerequisite: "B" average in Social Studies courses, or permission of the instructor.**

### Economics

#### Grade 12 / 1 semester / 0.5 credit

Economics is a required course that deals with the science of making choices. The primary objective of the course is to teach students the basic tools of economic concepts, which will enable them to make better choices in the marketplace and the voting booth. Students will learn through practical examples and discussion how our economy is organized and how supply and demand, the government and the Federal Reserve System influence our economy.

### Psychology I

#### Grades 11-12 / 1 semester / 0.5 credit

This course will focus on the roots of human behavior, with an emphasis on the individual. Some topics of interest will include memory, perception, motivation, dreams, depression, and conflict. Readings, videos and speakers will be used to investigate the management of a healthy lifestyle in an ever-changing environment.

### Psychology II

#### Grades 11-12 / 1 semester / 0.5 credit

This course will investigate psychological topics such as personality theory, abnormal behavior, attitudes and actions, and careers and statistics. Also, social psychology will be examined. Research, article reviews, and videos are tools that will be used to complete the students' understanding of psychology's contributions in our everyday living. The Birth Order Book is required reading for this class. Psychology I is NOT a prerequisite for Psychology II.

### Sociology

#### Grades 11-12 / 1 semester / 0.5 credit

There is an ever-increasing need to understand how society functions. It is the aim of this discipline to illustrate the nature of group behavior, the role of individuals within society as a whole, and how values and attitudes develop in individuals. Units of study include a self-exploratory unit, family issues, influence of religion, impact of technology, impact of sports, violence in American life and peer groups/cliques. Classroom discussion and participation in a variety of activities is vitally important to the successful completion of the class.

### Current Events

#### Grades 11-12 / 1 semester / 0.5 credit

This course is an elective. Through the scope of a current medium, magazine and/or newspaper, students will become familiar with local, state, national and worldwide events. A strong sense of cultural understanding and sensitivity will be developed as part of the discussion of this class. Classroom discussion/participation is vitally important to the class. This class may be taken more than once for credit.

### Senior Success Seminar

#### Grades 12 / 1 semester / 0.5 credit

The primary objective of this course is to prepare students for life after high school. Through the topical format of the course students will gain knowledge on several social, financial, and health related issues. Specific units include: college and career readiness, drugs and Alcohol, Health & Wellness, Financial Literacy, and Adult Survivor Skills. An environment will be established where students will analyze these issues along with parental input and community experts. **Note that this course does NOT count towards the Honors Diploma social studies requirement.**

## SPANISH DEPARTMENT

### Spanish I

#### Grades 9-12 / 1 year / 1 credit

This course is an introduction to the listening, speaking, reading, and writing of the Spanish language. Basic everyday situations that a young person would be likely to encounter form the core of the material studied. Examples are greetings, family, addresses, eating, activities, and shopping. Methods are suggested to the English-speaking student to help approximate the pronunciation of a native speaker. The sound-spelling system of the Spanish language is outlined as a basis for accurate reading and writing. **Prerequisite: A "C" average in English is strongly recommended before beginning a foreign language.**

### Spanish II

#### Grades 10-12 / 1 year / 1 credit

The language skills of listening, speaking, reading and writing are developed. Vocabulary is expanded to include new topics such as leisure activities, physical fitness, and travel terms. Synonyms for words previously learned will also be studied. **Prerequisite: "C" average in Spanish I or permission from instructor.**

### Spanish III

#### Grades 11-12 / 1 year / 1 credit

Study of the Spanish language will continue to deepen, focusing on new tenses of verb forms including the imperfect, the future, and the conditional.

Vocabulary will continue to be expanded, as will the practice of listening to, speaking, reading and writing Spanish in real-life situations. We will also spend time understanding the Spanish culture and history.

**Prerequisite: "C" average in Spanish II or permission from instructor.**

### Spanish IV

#### Grades 12 / 1 year / 1 credit

Course content will vary according to interests, goals and needs of students enrolled. The study of the Spanish language will deepen even further, focusing on more complex verb tenses, including the imperative and the subjunctive. Students will continue the practice of speaking, listening to, reading and writing Spanish in real-life situations. In addition, selections are made from the rich literary heritage of the Spanish language, as well placing an emphasis on Spanish culture. **Prerequisite: "C" average in Spanish III or permission from instructor.**