

ANNA HIGH SCHOOL

COURSE DESCRIPTION

2019-2020

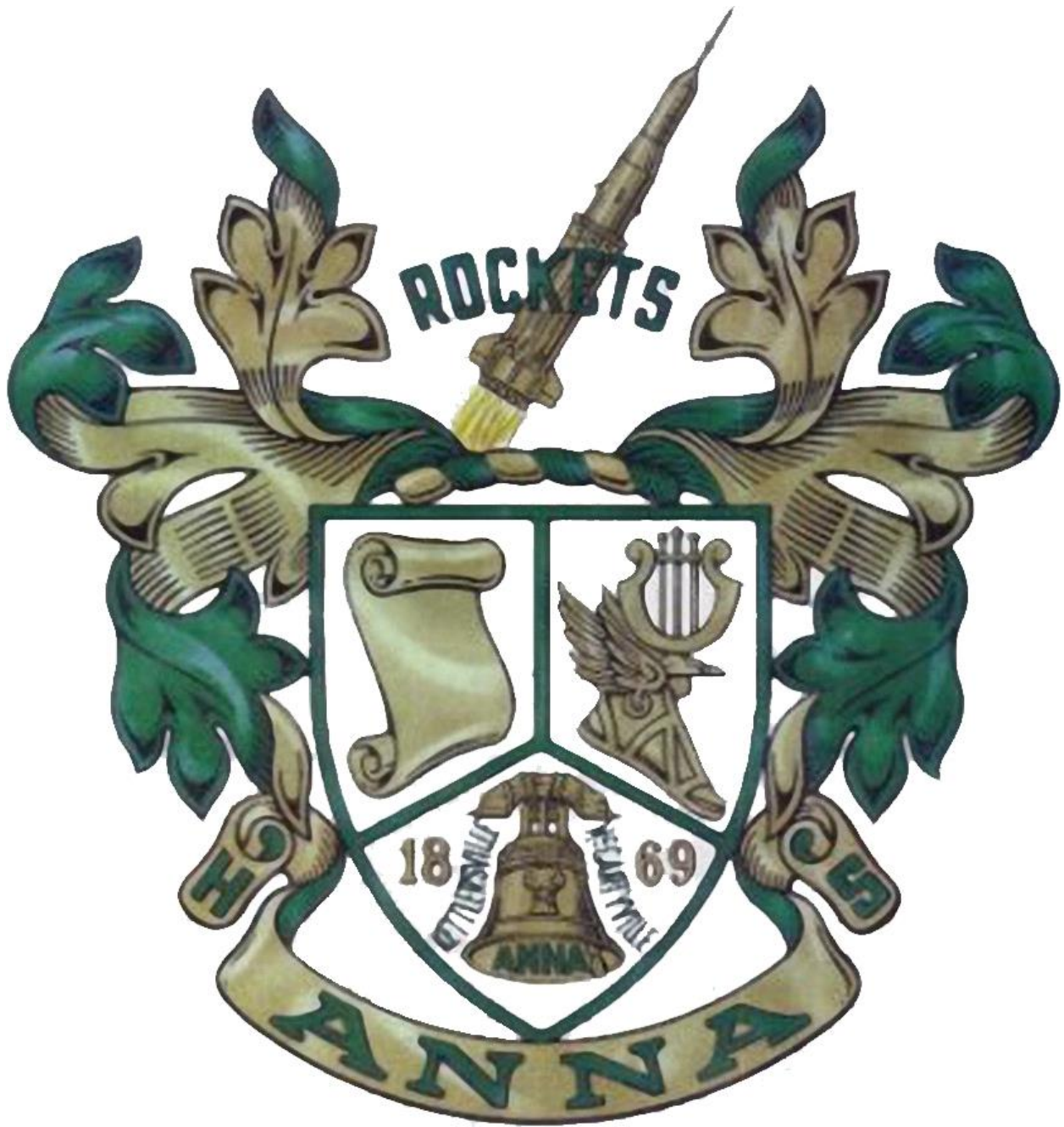


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A Greeting to the Students of Anna High School and Their Parents

Mission Statement: *Through mutually supportive teamwork, Anna High School is committed to building upon the foundation of prior knowledge and experiences in developing lifetime learners who are empowered to fulfill their potential, to make responsible decisions, and to become productive members of our global society.*

Welcome to Anna High School, a school of great tradition and pride in student learning, involvement, achievement, accomplishment, and success. Our mission statement says a great deal about our goals and our focus. Students, parents, and staff will work together to develop young adults who will become productive members of our society. This booklet is to provide information and assistance as students plan their education and learning experiences while here at Anna High School.

Information in this booklet includes that of attendance, grades, scheduling, educational options, and descriptions of all courses offered at Anna High School. Students will work with the guidance counselor to select courses which are right for them and prepare them for life after graduation from high school. **Please plan carefully**, as student schedule requests guide planning by school administration and staff for the next school year. This includes developing the master schedule, staffing, and purchasing of supplies for classrooms.

ATTENDANCE

Attendance procedure is subject to change. Please refer to the 2017-18 Student handbook.

School attendance is of prime importance in the life of a student. Good attendance is one of the greatest single factors for success in school. Regular school attendance promotes solid academic achievement, and furthers the development of a good attitude towards responsibility and going to work on a part- or full-time basis in the future. Absence from school can be one of the major causes of academic difficulties and failure of classes. In addition, school attendance is mandated by law for all children until the age of 18. Students who miss 5 or more days in a nine weeks may be assigned Saturday School or detention to make up missing time. This is whether the absence is excused or not.

Types of Absences

The Ohio Department of Education has a definite, stated policy regarding school absences. In brief, the policy is as follows. Absences from school for any reason other than those which are listed below and recommended by the State Department are not acceptable and may carry disadvantages for the student. Those reasons which are and are not acceptable are listed below.

Absent with School Approval

Religious holidays and all absences from class when they are the result of participation in an approved, authorized school activity are included here. This would include field trips authorized by a teacher, college visits authorized by the guidance office, and other school activities authorized and supervised by school personnel. The days which are authorized for school-related activities will not be counted as school absences for the student.

However, the student is responsible for any and all classwork and assignments whenever absent from class for any reason.

NOTE: Visits to college/university campuses for juniors and seniors are limited to two days which are to be taken during second semester of the junior year (but not during May), or during first semester of the senior year . College

visits may be arranged by the student or his/her parents, or the guidance counselor. A form to help with this is available in the office. A note from the college/university must be returned to the office after the visit.

Excused Absences

1. Personal illness/injury verified by a parent or guardian or a physician.
2. Medical, dental, or optical appointments verified by the doctor's office.
3. Death in the family verified by a parent or guardian.
4. Quarantine of a home verified by a physician or health department.
5. Emergency work (not to exceed two days per school year) at home in which the parent or guardian cannot work out any other solution.

NOTE: When family trips or vacations (**limit of five days**) during school days are unavoidable, the school should be notified at least one (1) week in advance. The student and parent will need to complete a form which is to be returned to the office. When the days are approved by the principal, the student can then contact teachers for assignments prior to leaving.

Unexcused Absences

1. Absences due to reasons which are not listed above.
2. Absences due to truancy.
3. Absences due to out-of-school suspensions or expulsions.

NOTE: Absences may also be considered unexcused if they are not verified by a parent/guardian, or a physician.

NOTE: Students who accumulate excessive unexcused absences may be classified as habitually or chronically truant and charged with truancy in juvenile court.

NOTE: Students who have unexcused absences may lose the opportunity to earn grades for assignments, quizzes, tests, or any other school work. **Students who have unexcused absences for truancy (skipping school or class) or out-of-school suspensions will receive 0/F for all work (including quizzes and tests) which was assigned during those times.**

Verification of Absences

The parent or guardian of a student may call the school (394-2011) by 8:00 am (10:00 am for a two-hour delay), inform the secretary that the student will not be in school, and give the reason for the absence **OR** send a note with the name of the student, date(s) of the absence(s), the reason for the absence(s), and the signature of the parent or guardian. Notes from doctor's offices are also acceptable (when applicable). **In the cases of extended absences, notes from physicians may be requested and/or required.** This note should be brought to the office by the student the day when he/she returns to school. If calling the school outside of normal weekday school hours (7:00 am until 4:00 pm), a message may be left on voicemail on extension 100 (Mrs. Bertsch).

Importance of School Attendance

The Ohio Department of Education standard for student attendance is 93% and this standard is one of the requirements for schools on the state report card. Anna High School has a **minimum** goal of 90% for school and all classes of any student. When students fall below this minimum goal during any grading period, their absences will be reviewed by the principal. Students may receive "E" marks instead of grades if these absences of more than 10% and cannot be supported by extenuating circumstances. More information about "E" marks will be included in the student handbook.

Tardiness to School and Classes

Students are expected to be on time for school and for classes. For each grading period, students will not be penalized for unexcused tardies to school or classes (each class period) for the first two times. Wednesday detentions will be assigned for the third and fourth violations, and Saturday Schools will be assigned for any further violations. Students with excessive tardies may face further disciplinary action.

GENERAL INFORMATION

Grading Scale

The grading scale used at Anna High School is as follows:

A	100 – 94	C	84 - 75	F	64 - 0
B	93 – 85	D	74 - 65		

Other grades may include:

- S/U Satisfactory/Unsatisfactory
- E Excessive Absence – No credit
- P/F Pass/Fail Students must have administrative approval prior to starting the class.
- Audit Students who take Algebra I in the eighth grade may audit the class as a freshmen. The better of the two grades will be included in their grade point average and recorded in their transcript.

Grade Point Average

Grade point average is computed by dividing the total number of points (for grades) earned by the total number of credits attempted. The points for grades are as follows: A – 4 points; B – 3 points; C – 2 points; D – 1 point; and F – 0 point. Normally, all courses in grades 9 – 12, as well as any courses taken in junior high which receive high school credit, are calculated in the student’s grade point average. Grade point average and accumulative GPA are used for determining valedictorian and salutatorian, establishing class rank, awarding some scholarships, gaining acceptance to colleges and universities, as well as other functions. Grade point average is used on a quarterly basis to list honor roll students. Accumulative GPA is also computed at the end of each semester using the semester average grade. For questions about student GPA, contact the guidance counselor.

Honor Roll

The list for honor roll is produced at the end of each nine-week grading period. To earn placement on the honor roll, a student must have a minimum of a 3.0 grade point average, with no grade below “C” or incomplete grades. Honor roll students are listed in one of three categories: 4.0, 3.99 – 3.5, and 3.49 – 3.0. **Students who take any courses on college campuses cannot be included on the honor roll for the first and third grading periods, as college course grades are not available until the end of each semester.** The honor roll for each grading period is published in the Sidney Daily News and posted on the high school principal’s webpage on the school website.

Credits and Grade Placement

High school students in grades 9 through 12 will be classified by grade based on number of credits earned and year in high school. The following applies:

Freshmen	0 – 4.9 credits	first year in high school
Sophomore	5 – 9.9 credits	second year in high school
Junior	10 – 14.9 credits	third year in high school
Senior	15 and above	fourth year in high school

SCHEDULING

Graduation Requirements

Class of 2021.....20 total credits (minimum) as follows:

4 units of credit in English

4 units of credit in Math (must include one unit of Algebra II or its equivalent)

3 units of credit in Science (must be inquiry-based with lab experience)

3 units of credit in Social Studies (.5 Am. History & .5 Am. Government)

½ unit of credit in Health

½ unit of credit in Physical Education

5 units of credit coming from Foreign Language, Fine Arts, Computer Tech, Family and Consumer Sciences, Agri Science, Industrial Tech, Career-Technical Education (UVCC), or core subjects (English, Math, Science, and Social Studies) not otherwise required

**Students must also complete two semesters of fine arts taken any time in grades 7-12

Students must earn a cumulative score of 18 points on the seven end of course state tests. To ensure students are well rounded, they must earn a minimum of four points in math, four points in English and six points across science and social studies.

Note: Grades for all classes are calculated into grade point average and class rank.

College Preparatory Core Recommendations

- 4 units of credit in English
 - 4 units of credit in Math
 - 3 units of credit in Science
 - 3 units of credit in Social Studies
 - 2 units of credit in Foreign Language
 - 1 unit of credit in Fine Arts
- Computer skills (literacy and applications) and basic academic skills are also helpful.

Recommendations for Students Who May Attend the UVCC

- 2 units of credit in English
 - 2 units of credit in Math
 - 2 units of credit in Science
 - 2 units of credit in Social Studies
 - ½ unit of credit in Health
 - ½ unit of credit in Physical Education
- Computer skills (literacy and applications) and basic academic skills are also helpful.

NOTE: Students who are planning to enter the work force or enlist in the military but want to remain at Anna High School all four years will take required courses and also choose from electives which may include ag science education, family and consumer science, and industrial technology. Computer skills (literacy and applications) and basic academic skills are also helpful.

Diploma with Honors

Students may receive a Diploma with Honors by meeting or exceeding requirements as set forth by the Ohio Department of Education. This is in the process of changing. For more information visit education.ohio.gov.

College Preparatory Curriculum – The student must meet seven of the eight criteria which are listed.

1. Earn four units of English
2. Earn four units of math, must include Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
3. Earn four units of science, including physics and chemistry
4. Earn four units of social studies
5. Earn three units of one foreign language, two of which must be in the same language
6. Earn one unit of fine arts (art, music, theatre)
7. Earn and maintain an overall high school grade point average of at least a 3.5 on a four-point scale up to the last grading period of the senior year
8. Obtain a composite score of 27 on the ACT (American College Test) or an equivalent composite score of 1210 on the SAT (Scholastic Achievement Test), with no regard for its writing option.

Career-Technical Education Curriculum – The student must meet seven of the eight criteria listed.

1. Earn four units of English
2. Earn four units of math which must include Algebra I, geometry, Algebra II (or equivalent), and another higher level course
3. Earn four units of science, including two units of advanced science
4. Earn four units of social studies
5. Earn four units in a vocational or career-technical education program

6. Earn and maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year
7. Obtain a composite score of 27 on the ACT (American College Test) or an equivalent composite score of 1210 on the SAT (Scholastic Achievement Test), with no regard for its writing portion.
8. Achieve the proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment

Yearly Schedule Requirements

- Schedule a minimum of 5 ½ credits per year
- Eight period day – no more than one full time study hall on the schedule
- Freshmen who take summer physical education may have a study hall for one semester (in addition to one full time study hall)
- Required courses take top priority
- The guidance counselor will meet with the students to present, review, and approve schedule requests
- Once the schedule is approved by parents and the guidance counselor, changes will seldom be made, and then only in cases of extenuating circumstances with the approval of the guidance counselor and principal. Student course requests in the spring determine the master schedule, planning, staffing, and purchase of supplies for the next school year.

Be

sure of your course selections. Do not plan on course changes at a later date.

Athletic Eligibility – This follows the guidelines of the Ohio High School Athletic Association.

- High school students must have received passing grades in a minimum of five (5) one credit courses, or their equivalent, in the immediately preceding grading (nine-week) period.
- Junior high students must have received passing grades in 75 percent of their subjects in the immediately preceding grading (nine-week) period.
- Semester and yearly grades have no effect on OHSAA eligibility.
- Grades and credits from summer school classes, taken for credit make-up or recovery, cannot be used to restore the athletic eligibility of any student.
- For more information about athletic eligibility, contact the athletic director or the guidance counselor.
- For complete information about athletic eligibility, contact the OHSAA website at www.ohsaa.org.

EDUCATIONAL OPTIONS

Upper Valley Career Center

Juniors and seniors have the opportunity to enter vocational/career training programs at the Upper Valley Career Center in Piqua. Completing a two-year vocational program is intended to help students prepare for and obtain entry-level jobs in their area of training. Credits earned from these programs are accepted as credits towards graduation at Anna High School. Normally, students who attend the UVCC stay there all day, although there are some opportunities for students to take classes nearby at Edison Community College in the Tech-Prep program or the Postsecondary Enrollment Options program. Students who decide to enroll at the UVCC are not permitted to return to Anna High School as a part time

or full time student at any time during the school year. Juniors who attend the UVCC as a junior can return to Anna during their senior year. UVCC students are encouraged to stay involved in afterschool activities, but are not to come to Anna High School during the school day unless they have permission from the office. UVCC students may be brought back for any high school pep rallies which are held during the school day.

College Credit Plus

Anna High School recommends exhausting all high school curriculum before advancing to College Credit Plus. The titles of “Post Secondary Educational Option” and “Dual Enrollment” have been combined by the Ohio Department of Education under the new heading “College Credit Plus”. This program is for students who would like to earn college and high school credits at the same time. Students may take courses in a variety of formats including: at the home school (taught by Anna High School faculty), through an on-line course, or at a college campus. Classes at public colleges are free for students. Classes through private institutions may have limited costs. Anna High School is partnering with Rhodes State College and Urbana University to offer classes at Anna High School. Information on classes offered will be given to students. Students who are interested in this program should have a strong academic background, excellent study skills, and a good sense of responsibility. Information about the College Credit Plus program occurs in January during the school year and the deadline to register for the next school year is March 31st. It is important to note that any college courses which are taken become a part of the high school transcript and grades for all courses are calculated in the accumulative grade point average of the student. College courses are also taken into account when determining athletic eligibility. See the guidance counselor for more information.

Virtual High School (VHS)

Virtual High School is a collaboration of high schools from across the country which offer courses for high school students via the Internet. Students from Anna High School may select from over 175 NetCourses ranging from advanced academic courses to technical or specialized courses. Students who enroll for VHS courses should have strong academic skills, be highly motivated to work independently, and possess a good sense of responsibility.

Course Length:	Full and half-year courses are available
Prerequisites:	Approval by the high school counselor and the VHS site coordinator
Credits:	1 for full year, ½ for semester courses
Fee:	No

One of the benefits of VHS is it allows students to take courses via the Internet that are not currently available in the traditional classroom. VHS is also very flexible. Students are able to fit a course into their daily schedule or may decide to work on the course at home, after school, or on weekends.

Approval of the high school counselor and VHS site coordinator is required. Courses which are taken over the Internet through the VHS program are calculated in the accumulative grade point average of the student. The course credits also count toward credits required for graduation.

The high school counselor has a VHS catalog available to outline the courses available for you. Some of the items you may wish to consider when signing up for this approach to study include:

- High school athletics and extra-curricular eligibility.
- College credit for some courses offered this way is available and has been accredited at many colleges.
- Usually these courses are offered in either yearlong or semester programs.

Credit Flexibility

The Ohio Department of Education has initiated the Ohio Core program. Credit flexibility is a part of the Ohio Core. Credit flexibility is intended to broaden the scope of curricular options for students and increase the depth of study available for coursework.

Possible educational options may include (but are not limited to): completion of coursework not already offered at AHS; completion of an online class not already offered at AHS through VHS; independent study; or another method which may be proposed by the student.

Students who plan to participate in credit flexibility will need to apply and submit a proposal to the high school principal by April 1, 2017. The proposal from the student must include: (1) description of the method which will be utilized for credit flexibility; (2) identification of the learning outcomes for the proposed method; and (3) description of the methods which will demonstrate mastery of the method to be utilized through this plan. These may include: quizzes, tests, and exams; research paper(s); project(s); lab activities (must be a part of a lab-based course); internship; portfolio; or any other acceptable methods which are proposed by students.

Plans which are submitted to the principal will be reviewed by a committee. The committee may include the high school principal, guidance counselor, and teachers of specific subject areas. The committee will determine if a proposal is approved or rejected. For any plans which are rejected, students will be given detailed information why a plan was not approved. Students may make changes and re-submit the revised plan for further review by the committee.

Students will earn letter grades (may be determined by the committee) for any approved courses. The final grade will be calculated in students' grade point averages and appear on students' transcripts. Approved courses must follow scheduling and graduation requirements, and meet extracurricular eligibility requirements.

MAKE-UP/RECOVERY CLASSES and CREDITS

At times, students may fall behind in their progress towards classes and credits which are required to receive a diploma at graduation. This may be due to failing of classes or other circumstances. Anna High School does accept a limited number of credits which may be earned through these educational options.

Summer School

Classes and credits may be made up through an accredited summer school program. The guidance counselor would have information about any summer school programs in the area which are available for students. The student or parent/guardian would be responsible for the payment of any fees which apply to summer school courses.

NOTE: The Ohio High School Athletic Association does not accept grades and credits earned during summer school to restore the athletic eligibility for a student who has become ineligible to participate due to failing grades or deficiency of credits.

Correspondence Courses

Classes and credits (limit of two credits) may be made up through courses from an approved correspondence study school. The guidance counselor would have information about any correspondence classes which are available for students. The student or parent/guardian would be responsible for the payment of any fees which would apply to correspondence courses.

NOTE: Before beginning any classes for make-up grades and credits, students must meet with the guidance counselor to review any classes which are being considered. Any educational options for make-up credit must be approved by the school in advance of taking the class.

CAREER INFORMATION, EXPLORATION, and GUIDANCE

The guidance office is a good place to start when looking for information on careers. The guidance counselor will be able to point students in the right direction as they look at career opportunities and preparation needed for specific careers. Career exploration is encouraged throughout students' high school years.

There are many websites which offer a wealth of information about careers and career guidance. **OhioMeansJobs.com** is dedicated to careers in the state of Ohio. The website has informational folders including: Career Planning; Career Pathways; Occupational Search; In-Demand Careers; and several others.

Locally, the Shelby County [workforcepartner.com website](http://workforcepartner.com) holds a great deal of information about career opportunities in Shelby County. The website has folders with information for students and parents.

AGRICULTURAL SCIENCE (200)

ANIMAL and PLANT SCIENCE (0201)

This is the first course in the Agricultural and Environmental Systems career field. Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined. Students will study laboratory safety and basic woodworking. FFA membership and participation and a Supervised Agricultural Experience are required.

Course Length:	Full Year
Grade Level:	9th
Prerequisites:	None
Credits:	1.25 credits
Fee:	Yes, to be determined annually.

LIVESTOCK SELECTION, NUTRITION, and MANAGEMENT (0202)

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. Students will study principles of basic electrical circuits and welding. FFA membership and participation and a Supervised Agricultural Experience are required.

Course Length:	Full Year
Grade Level:	10 th
Prerequisites:	Animal and Plant Science or instructor permission
Credits:	1.25 credits
Fee:	Yes, to be determined annually.

AGRONOMIC SYSTEMS (0205)

Students will apply knowledge and skills required to research, develop, produce and market major agricultural and horticultural crops. Cultural and sustainable production practices will be examined while students 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 assessed. Students will employ technological advances, communication, business, and management strategies appropriate for the industry. FFA membership and participation and a Supervised Agricultural

Experience are required. FFA membership and participation and a Supervised Agricultural Experience are required.

Course Length: Full Year
Grade Level: 10th - 12th
Prerequisites: Animal and Plant Science or instructor permission
Credits: 1.25 credits
Fee: Yes, to be determined annually.

MECHANICAL PRINCIPLES (0211)

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. FFA membership and participation and a Supervised Agricultural Experience are required.

Course Length: Full Year
Grade Level: 11th and 12th
Prerequisites: Animal and Plant Science or instructor permission
Credits: 1.25 credits
Fee: Yes, to be determined annually.

BUSINESS MANAGEMENT for AGRI. & ENVIRONMENTAL SYSTEMS (0203)

Students will examine elements of business, identify organizational structures and apply management skills while developing 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. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified. Students will be offered one nine weeks of open-lab time to complete a project of their choice. FFA membership and participation and a Supervised Agricultural Experience are required. *This course will be offered every other year on even years.*

Course Length: Full Year
Grade Level: 11th and 12th (2020-21)
Prerequisites: Animal and Plant Science or instructor permission
Credits: 1.25 credits
Fee: Yes, to be determined annually.

GLOBAL ECONOMICS and FOOD MARKETS (0204)

Students will examine economic principles related to agriculture, food, and natural resources along with the operation and use of commodity futures and option markets. Students will learn economic principles with emphasis on their application to the solution of agricultural industry problems. They will examine future exchanges and commodity futures contracts, hedging strategies, as well as put and call options. Throughout the course, students will become familiar with the causes and consequences of economic growth, globalization and development. Students will be offered one nine weeks of open-lab time to complete a project of their choice. FFA membership and participation and a Supervised Agricultural Experience are required. *This course will be offered every other year on odd years.*

Course Length: Full Year (2019-20)
Grade Level: 11th and 12th
Prerequisites: Animal and Plant Science or instructor permission

Credits: 1.25 credits
Fee: Yes, to be determined annually.

AGRICULTURAL and ENVIRONMENTAL SYSTEMS CAPSTONE (0210)

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships. The course is available to students for early dismissal or have met the 450 minimum hours throughout the year. Students' grades in the course will be based on number of hours worked, ranging from 450 (D) to 700 (A.) Hours begin July 1st before the students' senior year and end in May of senior year. The student has two options to meet this requirement: 1) They can be released from school at the completion of their graduation requirements or 2) attend a full school day and complete the 450 required hours in their placement during the summer months, weekends, or after school. Students must be concurrently enrolled in another agriculture course. Completion of a Proficiency Award application is a course requirement.

Course Length: Full Year
Prerequisites: 12th grade, instructor permission only, approved agri-employment
Credits: 3.00 credit
Fee: Yes, to be determined annually

*****Additional Agriculture Science Course Requirements*****

SAE Project: All students are required to develop, implement and conduct a Supervised Agricultural Experience project. This project is a yearlong activity, which extends into the summer months. The SAE may consist of job placement, a hands-on project including animal, plant, construction, or a research project approved by the instructor. The project is meant to help students gain hands-on experience in an agriculturally-related field of their choice and is completed outside of class. Students may have the opportunity to exhibit their SAE at the county and state fairs. Records will be kept and updated electronically or in paper version for a class grade. The course is worth 1.25 credits, with .25 of credits being granted for the SAE.

Home Improvement/Community Service Project: All students are required to complete a Home Improvement/Community Service project. The 10 hour project is to be completed outside of class. It should be an unpaid, hands-on project that improves the local community. Records should be kept and before and after pictures taken.

FFA Membership: FFA Membership is mandatory for students enrolled in the Anna Agricultural Education Program.

FFA Participation: Member participation in FFA activities helps to build a strong chapter and strong leaders. To take advantage of the opportunities offered, members are asked to attend a variety of FFA activities throughout the year. Students will receive a grade at the conclusion of the year based on their FFA participation. The grade will be out of 100 points, with the option to earn 10 bonus points for a maximum of 110 points out of 100 granted the 4th nine weeks to every student. Activities can include FFA Meetings, career development events, FFA fundraisers, FFA leadership opportunities; school/community FFA sponsored events, etc.

AGRICULTURAL DEPARTMENT- ARTICULATION WITH POST-SECONDARY INSTITUTIONS

Definition:

The Ohio Board of Regents defines articulation as a planned process that allows students to move without hindrance through the education process, including the transition between secondary and post-secondary levels of instruction.

Purpose:

Partnerships between post-secondary institutions and the Anna Agricultural Education Program have been designed to recognize and to reward those graduates who have acquired the skills for articulation transfer/proficiency credit in specific introductory courses. Post-secondary Institutions will grant credit to graduates who fulfill course requirements agreed to in this document.

Advantages:

- The student will be able to complete a degree in less time.
- The student will save money by completing fewer classes.
- The student can supplement the degree program with optional courses, if desired.

Criteria:

The total number of courses awarded to a student will be evaluated on an individual basis and may vary. A high school grade of “B” or better is required before credit can be given. There is no cost for the program. Credit is awarded at the institutions listed below.

ART EDUCATION (300)

ART (0309)

Art allows students to learn basic art skills, develop those skills, and to take more advanced art topics. Art history may also be a part of this course. Topics studied include (but are not limited to):

Beginning Drawing

- a. pen and ink
- b. pen, ink, and wash
- c. pen, ink and watercolor

Pencil Drawing

- a. perspective
- b. freehand grid
- c. black and white

Beginning Painting

- Tempera Painting
- a. color theory
- b. color mixing

Painting Acrylic

- a. portraits
- b. famous people
- c. sports

Watercolor

- a. dry brush techniques
- b. wet brush techniques

Sculpture

- a. carving
- b. handbuilding
- c. clay molds & string art

Course Length: One Semester

Prerequisites: None

Credit: 1/2

Fee: Yes

CERAMICS (0305)

This course deals with individual exploration and development of creative ceramic forms through hand building techniques and wheel throwing experiences. Student’s introduction to basic tools and ceramic tools and terminology is important. Techniques of slab, coil, mold, glazing, and finishing are discussed and incorporated into projects.

Course Length: One Semester

Prerequisites: ½ year of Art

Credit: 1/2

Fee: Yes

COMPUTER TECHNOLOGY (500)

GRAPHICS AND DESKTOP PUBLISHING (0508)

Students will learn proper layout design for publications using Indesign. Students will also learn how to use a graphic program like Photoshop to create and modify images. Can be taken for college credit.

Course Length: One Semester
Prerequisites: none
Credit: 1/2
Fee: No

ADVANCED GRAPHICS AND MULTIMEDIA (0513)

This course is a companion course for the Graphics and Desktop Publishing. Students will learn how to create images that look realistic. Topics include composites of images, digital photography, animation, and video editing. Software focus includes but not limited to: PhotoShop, Flash, Illustrator, and Premiere. Can be taken for College Credit.

Course Length: One Semester
Prerequisites: Graphics and Desktop Publishing
Credit: 1/2
Fee: No

COMPUTER TECH ASSISTANT (0515)

This is a new program for the technology area. This is a program whereby a student is trained to be an assistant or troubleshooter in the computer technology area. Students selected for this should be extremely competent on computers, should have good people skills, and should be capable of analyzing a problem and helping students (high school or middle school) solve their dilemma.

It is a distinct privilege to be a part of this program. This is not a right. Students chosen to partake in this are always in the public eye. Therefore, no misbehavior can be tolerated. Any such actions could result in immediate removal from the program and loss of credit.

Course Length: One Semester
Prerequisites: Approval of teacher
Credit: 1/4
Fee: No

COMPUTER SKILLS for SENIORS (0516)

This course will develop students' computers skills to be successful in college and the workplace. Topics include: Microsoft Word; Excel; Access; PowerPoint in Office 2013; and Windows 7. Other topics include: purchasing the right laptop; video editing; and techniques to complete PDF scholarship. Can be taken for college credit.

Course Length: One Semester
Prerequisite: Only offered for seniors
Credit: 1/2
Fee: No

YEARBOOK (0519)

This course is designed to be a full year course, with the publication of the yearbook as the final product. However, due to scheduling constraints and other course demands, students may take the course for a semester with the instructor's permission.

Course Length: One Semester or Full Year
Prerequisites: 11th and 12th grade only and approval of teacher
Credit: 1/2 per semester
Fee: No

COMPUTER APPLICATIONS (0502)

Students will start as beginners with the various software and progress to advanced skill levels. Students will be required to complete six (6) levels of their choice.

Applicable software:

Word – Levels 1 – 4	Python programming – Levels 1 – 4
Excel – Levels 1 – 4	Flash – Levels 1 – 4
Access – Levels 1 – 4	Fireworks – Levels 1 – 3
PowerPoint – Levels 1 – 2	Premier – Levels 1 – 2
Publisher – Levels 1 – 2	Photoshop – Levels 1 – 4
Computer terms – Level 1	Indesign – Levels 1 – 4
Illustrator Levels 1 – 2	Dreamweaver – Levels 1 – 4
	Programming single board computers

Course Length: One Semester (can be repeated)

Prerequisites: None

Credit: 1/2 credit per semester

Fee: No

ENGLISH (600)

ENGLISH 9 (0601)

Freshman English is a general foundation course in English skills with particular emphasis on the writing, reading, listening and viewing processes. Students review basic grammar as needed and learn new grammatical devices to help their understanding of composition. Students will learn skills to be able to accomplish narrative, expository, and research essays. Various forms of texts including the novel, drama, poetry, short stories and informational essays will be read.

Course Length: Full Year

Prerequisites: Satisfactory completion of eighth grade

Credit: 1

Fee: No

ENGLISH 10 (0603)

This course offers a blend of classic and contemporary works from authors of diverse backgrounds. Students will analyze plays, poetry, novels and short stories, both fictional and nonfictional literature. This course will proceed in units covering different modes of composition, vocabulary, formal speech, and advanced levels of research. Students, individually as well as collaboratively, will conduct/write several research projects/papers. Class activities are designed to help students master the skills needed to meet state standards as well as to be successful in their future endeavors.

Course Length: Full Year

Prerequisites: Satisfactory completion of English 9

Credit: 1

Fee: No

ENGLISH 11 (0617)

This course emphasizes American Literature and enhanced writing skills. Students will analyze literature in depth and discover underlying themes involved. In English 11, students will also initiate and participate effectively in a range of collaborative discussions. There will be a research-based paper component as a part of this course in which students enhance skills in writing, research and formats.

Course Length: Full Year

Prerequisites: Satisfactory completion of English 10

Credit: 1
Fee: No

ENGLISH 12 (0618)

This course provides a comprehensive study of British literature from the sixth century to the nineteenth century. Advanced composition techniques are also emphasized.

Course Length: Full Year
Prerequisites: Satisfactory completion of English 11
Credit: 1
Fee: Yes

SPEECH (0613) [Offered during semester 1 only]

Speech emphasizes the fundamentals of research organization, composition, and delivery in various types of speaking situations. The student is allowed to choose his or her own subjects but must adjust them to the assigned type of speech (i.e. informative, convincing, entertaining, demonstrative, and strict time).

Course Length: One Semester
Prerequisites: Junior or senior standing
Credit: 1/2
Fee: No

MASS COMMUNICATIONS (0624)

Mass Communications is a semester course designed for students interested in newspaper journalism and developing their skills as a writer. This course will study the basic principles of print and online journalism and examine the importance of mass communications in the world. The students will learn about the history and development of journalism. The course explores the media and ethics cases and media responsibility issues seen in the press today. Students will create numerous original stories using varied structures and writing techniques.

Course Length: One Semester
Prerequisites: None
Credit: 1/2
Fee: No

WRITING COMPOSITION (0623)

This course focuses on writing fundamentals including grammar and mechanics that help students build writing skills. The course will explore the writing process from the prewriting stage to the revision stage. Students will write multiple examples of narrative, descriptive, expository, persuasive, and research essays.

Course Length: One Semester
Prerequisites: None
Credit: 1/2
Fee: No

THEATRE (0621) [Offered during semester 2 only]

Theatre is an in-depth look at acting, plays and the history of theatre. Students should be prepared to perform in front of the class or another audience.

Course Length: One Semester
Prerequisites: None
Credit: 1/2
Fee: No

FOREIGN LANGUAGE (700)

FRENCH I (0701)

French 1 provides students with an introduction to the French language. Students will learn to read, write, speak and listen in the target language. The students will also be introduced to customs, history, music, geography and food of the French-speaking world.

COURSE CONTENT: Short stories and novels

Basic dialogues, choral responses, grammatical structures, presentations of prepared conversations and skits in French, study of French culture, review of French newspaper and magazine articles, and pattern practices are included in this course.

Course length: Full Year

Prerequisites: None

Credit: 1

Fee: Yes

FRENCH II (0702)

French 2 will further develop the students' skills in speaking, reading, writing and listening comprehension. Students will read novels in French and will also learn the past tense. French culture will continue to be a focus in the classroom as students further their knowledge of the French-speaking world through music, geography and customs.

COURSE CONTENT: Short stories and novels

Course length: Full Year

Prerequisites: Satisfactory completion of French I

Credit: 1

Fee: Yes

FRENCH III (0703)

French 3 will further develop the students' skills in speaking, reading, writing and listening comprehension. Students will read novels in French and will also learn the future and conditional tenses. French culture will continue to be a focus in the classroom as students further their knowledge of the French-speaking world through music, geography and customs. English will be used rarely during instruction and students will do the majority of their speaking in the target language.

COURSE CONTENT: Short stories and novels

Course Length: Full Year

Prerequisites: Satisfactory completion of French II

Credit: 1

Fee: Yes

FRENCH IV (0704)

French 4 will further develop the students' skills in speaking, reading, writing and listening comprehension. Students will read French literature. French culture will continue to be a focus in the classroom as students further their knowledge of the French-speaking world through music, geography and customs. English will be used very rarely during instruction and students will do most of their speaking in the target language.

COURSE CONTENT: Short stories and novels

Course Length: Full Year

Prerequisites: Satisfactory completion of French III

Credit: 1

Fee: Yes

SPANISH I (0705)

Spanish I will provide students with an introduction to the Spanish Language. The students will learn basic grammar, verb conjugation, and vocabulary. Students will be reading, writing essays, speaking, and listening in the target language. Students will also be introduced to the history, music, geography, customs, and food of the Spanish-speaking world.

Course Length: Full Year

Prerequisites: None

Credit: 1

Fee: Yes

SPANISH II (0706)

This course continues the study Spanish. In Spanish II, an emphasis will be placed on the two past tenses as well as the present/past perfect tenses and the formal commands. The object pronouns will also be covered extensively. Students will begin to read and summarize news articles in the target language.

Course Length: Full Year

Prerequisites: Satisfactory completion of Spanish I

Credit: 1

Fee: Yes

SPANISH III (0707)

All grammar and vocabulary from Spanish I and II will be reviewed. In Spanish III, students will learn the future/conditional tenses, the past and present subjunctive tenses, and the informal commands. Students will be expected to reach intermediate proficiency in oral and written communication. All students will create presentations (video, power point, etc.) where they will be expected to use the target language exclusively.

Course Length: Full Year

Prerequisites: Satisfactory completion of Spanish II

Credit: 1

Fee: Yes

SPANISH IV (0708)

The focus of Spanish IV will be on using all the grammar and vocabulary acquired in Spanish I, II, and III to become proficient in reading, writing, and speaking as well as understanding the Spanish language. All activities from Spanish III will be continued. Class materials will include Spanish language books, television clips, movies, and magazines. An emphasis will be placed on oral communication.

Course Length: Full Year

Prerequisites: Satisfactory completion of Spanish III

Credit: 1

Fee: Yes

FAMILY and CONSUMER SCIENCE (800)

All students can benefit from Family and Consumer Science courses. The classes are designed to meet the needs of all different types of learners. Students will learn skills for managing individual and family needs, problem solving, setting goals, and leadership. Students will experience a variety of teaching and learning techniques including: small

group activities; presentations; hands-on projects; lecture and discussion; lab activities; professional guest speakers; field trips; and service learning. In each course, students will have the opportunity to earn an additional .125 credit by completing a culminating course project. Through integrated classroom activities, students will be required to participate in Family, Career, and Community Leaders of America (FCCLA), a youth leadership organization. An affiliation fee is required. Students may list experiences in FCCLA on resumes; college, scholarship and job applications; and National Honor Society student activity forms. Students must be enrolled in a minimum of one semester course in order to participate in FCCLA activities.

TRANSITIONS AND CAREERS (830)

In this course, students will analyze interests, aptitudes and skills to prepare for careers and transition through life. An emphasis will be placed on work ethics, team building, communication, leadership, technology etiquette, resume writing and career planning. Many professional speakers will be presenting weakly from the workforce as well as college representatives. Students will complete a professional career portfolio that can be utilized during job, scholarship, and college interviews.

Course Length: One Semester
Prerequisites: Open to freshmen, sophomores, juniors, & seniors
Credit: .5 plus an additional .125 for completion of culminating project
Fee: Yes

LEADERSHIP AND COMMUNITY ENGAGEMENT (0829)

In this course, students will learn how to become an active community member and citizen. An emphasis will be placed on service learning and leadership development through FCCLA activities. Additional topics will include public speaking and creative presentation skills as well as evaluating leadership styles from many leadership experts. Students will earn many community service hours through this course.

Course Length: One Semester
Prerequisites: Open to freshmen, sophomores, juniors, & seniors
Credit: .5 plus an additional .125 for completion of culminating project
Fee: Yes

NUTRITION AND WELLNESS (0828)

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle.

Course Length: One Semester
Prerequisites: Open to freshmen, sophomores, juniors, & seniors
Credit: .5 plus an additional .125 for completion of culminating project
Fee: Yes

GLOBAL FOODS (0835)

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes.

Course Length: One Semester
Prerequisites: Open to freshmen, sophomores, juniors, & seniors
Credit: .5 plus an additional .125 for completion of culminating project
Fee: Yes

FOOD SCIENCE (0836)

In this course, students will apply basic culinary practices and understand how flavor, texture and appearance are affected during food preparation. Students will evaluate chemical reactions as they occur in cooking methods and assess how to control high-risk food safety situation. Food safety and sanitation techniques will align to industry-recognized certifications.

Course Length: One Semester
Prerequisites: Open to freshmen, sophomores, juniors, & seniors
Credit: .5 plus an additional .125 for completion of culminating project
Fee: Yes

CULINARY FUNDAMENTALS (0837)

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will learn the basics of mixing, shaping and baking for several baked goods including quick breads, cakes, pastry doughs, and candy. In addition, students will be introduced to decorating techniques as well as plating, garnishing and presentation skills for foods.

Course Length: One Semester
Prerequisites: Open to freshmen, sophomores, juniors, & seniors
Credit: .5 plus an additional .125 for completion of culminating project
Fee: Yes

TEXTILES AND INTERIOR DESIGN (0832)

In this course students will explore a broad range of topics relating to the various aspects and career opportunities available in the field of textiles and interior design. Students will learn how to apply the basic concepts of design including the principles and elements of design and the role of color. Topics also covered are trends in fashion, historical elements, styles of homes, and furniture styles. Students will participate in hands on learning through sewing for self and others, creating a floor plan as well as interior decorating and a recycle project.

Course Length: One Semester
Prerequisites: Open to freshmen, sophomores, juniors, & seniors
Credit: .5 plus an additional .125 for completion of a culminating project
Fee: Yes

CHILD DEVELOPMENT (0831)

In this course, students will study the principles of child growth, development and behavior. An emphasis will be place on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services. Observations of young children are also included with this course as well as a short hands-on teaching lesson. This course can be taken for 3 college credits from Rhodes State and is especially suited for students interested in the teaching field.

Course Length: One semester
Prerequisites: Open to sophomores, juniors, & seniors
Credit: .5 plus an additional .125 for completion of a culminating project
Fee: Yes

HUMAN GROWTH AND DEVELOPMENT (0838)

In this course, students will analyze human growth and development throughout the lifespan. The course provides the student with an understanding of the physical, psychological, and social

development and needs, as well as the developmental tasks of the child through school age, adolescent, young adult, middle aged and elderly. This course can be taken for 2 college credits from Rhodes State and is especially suited for students interested in any health related career.

Course Length: One semester
Prerequisites: Successful completion of Child Development
Credit: .5 plus an additional .125 for completion of a culminating project
Fee: Yes

PRINCIPLES OF FOOD

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

Course Length: One semester
Prerequisites: Open to freshmen, sophomores, juniors, or seniors
Credit: .5 plus an additional .125 for completion of a culminating project
Fee: Yes

INDUSTRIAL TECHNOLOGY (1000)

INDUSTRIAL TECHNOLOGY I (1001)

Introduction to Industrial Technology

Students will study different areas of industrial technology through modular and project-based education. Topics will include:

Aeronautics	Construction
Research & Development (R & D)	Drafting
Blueprint reading	Computer assisted drafting (CAD)
Electronics	Engineering
Woods	Fluids

These are some of the topics, but it is not an all-inclusive list. The course is evolving and new topics/materials are continually being added.

Course Length: Full Year
Prerequisites: None
Credit: 1
Fee: Yes

INDUSTRIAL TECHNOLOGY II (1002)

Advanced

This is a continuation of the modules and concepts that were introduced in the Level I course. They deal with advanced concepts and usually involve projects which may take longer to complete and may involve some outside work.

Engineering II	Woods	Welding
Metals	Plumbing	Drafting and computer assisted drafting (CAD)
Wiring	Small engines	Research & Development (R & D)

Course Length: Full Year
Prerequisites: Satisfactory completion of Industrial Technology I
Credit: 1
Fee: Yes

INDUSTRIAL TECHNOLOGY III (1003)

Manufacturing

This course is open to any junior or senior. This course is designed to fully explore the ideas of manufacturing. Students will be broken down into teams, will design projects, and “manufacture” them. Students will do everything from creating budgets, drawing the designs, designing and completing campaigns for advertising and marketing of their product. They will continue on to studies of profit and loss, assembly line techniques, and distribution and/or installation techniques. The concepts of teamwork, thinking, and pride in craftsmanship are all stressed. Construction technology, casting, metal machine, and woods will also be a part of this class. Manufacturing processes, machining techniques, and materials will also be covered.

Course Length:	Full Year
Prerequisites:	Satisfactory completion of Industrial Technology I & II and junior or senior standing
Credit:	1
Fee:	Yes

INDUSTRIAL TECHNOLOGY IV (1004)

Both semesters will be in the field of the student's choice, but he/she must have completed three years of Industrial Tech Work. Examples of courses are machining; electrical repair; power mechanics (2 and 4 cycle engine repair) woodworking, and Architectural Drafting II. Students enrolled in this course will also be expected to assist the instructor with the other classes that may be taught during the same period. This course will be scheduled around the student's other courses, and the existing I.T. courses. This course may be taken for one or two semesters.

Course Length:	One or two semesters, to be scheduled around students' other courses
Prerequisites:	Satisfactory completion of Industrial Technology I, II, & III, and senior standing
Credit:	1
Fee:	Yes

FUNDAMENTALS TO MANUFACTURING AND ENGINEERING (1006)

This course will be open to any high school student. Students will complete online learning supported by an Anna High School faculty member to learn foundational skills necessary to pursue a career in manufacturing and or engineering. Example of course work include: Measurement, Linear Instrument Characteristics, Grinding Processes, Hole Inspections, Blueprint Reading, Plastic Materials and more. Students interested will sign up for this class and work with the guidance department to refine their focus.

Course Length:	Semester
Prerequisites:	None
Credit:	1/2
Fee:	None

PRE-ENGINEERING PRINCIPLES AND PRECISION MEASUREMENT (1007)

This course will allow students to gain basic instructional knowledge in pre-engineering and manufacturing. There will be varied focus on metrology (the study of measurement) and mechatronics (a technology combining electronics with mechanical engineering). This course is suggested for students who are considering careers in the engineering and/or manufacturing field.

Course Length:	Semester
Prerequisites:	None
Credit:	½
Fee:	None

MATHEMATICS (1200)

ALGEBRA I (1204)

Course Content:

Numbers, Sets & Variables	Functions
Properties of Real Numbers	Polynomials
Solving Equations & Inequalities	Systems of Equations
Calculator Mathematics	Quadratic Functions
Rational Expressions	Quadratic Equations
Irrational Expressions	Problem Solving

Course Length: Full Year

Prerequisites: Successful completion of eighth grade math

Credit: 1

Fee: Yes

ALGEBRA 1-A (1212) and **ALGEBRA 1-B** (1213)

These courses are designed for students who need to take four years of mathematics and plan to take Algebra II as his/her final math course. These courses take the regular material from Algebra I (see above) and spread it over two years. *This is not a college prep course, and will not count for NCAA standards of meeting a core course in the area of mathematics.*

Course Length: Full year for each course, 1-A & 1-B

Prerequisites: Successful completion of eighth grade math

Credit: 1 credit for each, 1-A & 1-B

Fee: Yes

GEOMETRY (1205)

Course Content:

Points, Lines & Planes	Similar Triangles
Parallel & Perpendicular Properties	Trigonometry
Congruent Triangles	Right Triangles Circles
Construction & Loci	Problem Solving
Areas of Plane Figures	Areas and Volumes of Solids
Coordinate Geometry	Transformation

Course Length: Full Year

Prerequisites: Successful completion of Algebra I, or Algebra 1-A and 1-B
Students who complete Algebra I in the eighth grade must have a grade of an A or B.
Students with a grade of B will need the approval of the instructor.

Credit: 1

Fee: No

APPLIED MATH (1210)

Applied Math is focused on applying various mathematical concepts in occupational and other real-world settings. The course emphasizes problem solving, decision making, and hands-on learning. Concepts and applications covered in this course include: financial planning and budgeting, insurance, taxes, election mathematics, statistics, weather mapping, car and home ownership, origami, and math-related careers. Students will explore the math required for these topics and others while completing projects and simulations in addition to some traditional math work. This course is not considered a college prep mathematics course.

Course Length: Full Year

Prerequisites: 2 credits in math courses

Credit: 1

Fee: No

ALGEBRA II (1206)

Course Content:

Applications of Real Number Properties	Quadratic Equations
Systems of Linear Equations	Quadratic Functions
Introduction to Functions	Rational Numbers
Factoring Polynomials	Irrational Numbers
Complex Numbers	Logarithmic Functions
Problem solving	Exponential Functions

Course Length: Full Year

Prerequisites: Successful completion of Geometry OR permission of instructor.

Credit: 1

Fee: Yes

TRIGONOMETRY (1215)

Course Content:

Arc Length	Area of a Sector	Radian Measure
Trig Functions	Trig Identities	Trig Equations
Co-Functions	Reciprocal Functions	Double Angle Formulas
Half Angle Formulas	Solving Right Triangles	Solving Oblique Triangles
Sine and Cosine Laws	Graphs of Trig Functions	Translations of Trig Graphs
Vectors	Polar Coordinates and Graphing	
Polar Form of Complex Numbers	Planes, Lines, and Vectors in Space	

Course Length: One Semester

Prerequisites: Successful completion of Algebra II (usually taken with pre-calculus)

Credit: 1/2

Fee: No

PRE-CALCULUS (1214) [Replaced Probability & Statistics]

This course is designed for students who want to continue studies in the field of science, mathematics, business, and medicine. Topics to be covered in this course include: collection of data, tables and graphs, measure of center, histograms, variance and standard deviation, linear and quadratic models, line of best fit, properties of probability, counting principles, combinations and permutations, Pascal's Triangle, binomial theorem, sequences and series, and normal distributions.

Course Length: One Semester

Prerequisites: Successful completion of Trigonometry

Credit: 1/2

Fee: No

AP CALCULUS (1208)

This is a higher-level mathematics course (generally considered a fifth year course for those who took Algebra I in the 8th grade). Calculus is designed to prepare students for further study in the fields of mathematics, science, and/or engineering.

Areas of study in this course are: review of trigonometry, analytical geometry, complex numbers, polar coordinates, limits, derivation and its applications, and the integral and its applications. Can be taken for College Credit.

Course Length: Full Year

Prerequisites: Successful completion of Trigonometry and Pre-calculus.

Credit: 1

Fee: Yes

MUSIC (1300)

INSTRUMENTAL MUSIC (1301)

1. The musical and technical knowledge of a band instrument, and band literature;
2. High proficiency of reading music;
3. Successful completion of Band as an 8th grader;
4. Willingness to improve and meet challenges with success;
5. Willingness to cooperate with other people

Course Content

- Music is used to prepare the band for concerts, contests, parades, and any other scheduled performances. A variety of music styles is studied.
- Not eligible for letter or special awards or any school performance or band trip
- Each student must pay \$20.00 annual rental fee for the use of his/her uniform, and purchase shoes and gloves. Summer uniform shirt and green knit shorts (purchase in May)

PERFORMANCE BAND (1302)

Travel to and perform at all parades, competitions, concerts, field trips and other performances scheduled throughout the school year.

CLASS REQUIREMENTS- Same as Instrumental Music except evaluation may be taken outside of class

Credit/Rewards-

1. 1/2 unit of credit (in addition to 1/2 unit of instrumental music)
2. Receive letter awards
3. Eligible for outstanding Classmen awards, Senior awards, and any other special awards
4. Eligible for Major Band Trips
5. Eligible to be Section Leaders and officers

Course Length:	Full year for each
Prerequisites:	Concurrent enrollment in both of the above music courses
Credit:	1/2 for each, instrumental music and performance band
Fee:	Yes

JAZZ BAND (1303)

Any student wishing to be a part of the Jazz Band must be a member of the high school concert band. (Exceptions may be made for students who play guitar, bass or piano)

Students must audition and have permission of the instructor

Students will receive one credit for the class time and for all after school performances and rehearsals.

Course Length:	Full year
Prerequisites:	Audition and approval of instrumental teacher
Credit:	1
Fee:	No

CHORUS (1304)

To develop voices by proper breath control and vocalizing, improve posture, self-confidence. Students will perform and learn to appreciate a variety of types of music.

Course Length:	Full Year
Prerequisites:	None
Credit:	1/2
Fee:	No

HEALTH & PHYSICAL EDUCATION (1500)

PHYSICAL EDUCATION (1505)

OBJECTIVES:

To help normal growth and development	To develop psychomotor skills
To prepare for leisure time	To increase general vigor
To develop sportsmanship	To learn techniques and methods
To develop self control	To develop desirable social qualities
To help in attainment of achievement	To develop good health habits
To learn rules	To develop character

CLASS REQUIREMENTS:

All students must be attired in proper gym clothing. We recommend T-shirt and shorts and gym shoes and heavy cotton socks for all students. Also, proper class attitude, cleanliness, participation, and conduct are required. Participation shall be required unless a note from a physician excuses it. Physical education is graded on participation, cooperation, effort, attitude, and knowledge of skills.

COURSE CONTENT

A wide variety of individual and group skills and activities including soccer, softball, calisthenics, volleyball, tumbling, basketball, touch football, track and field, physical fitness, tennis, and golf.

SUMMER PHYSICAL EDUCATION (1503)

The physical education course requirement may be met through the summer physical education option.

Course Length: One session each year (usually in early June) for grades 9 and 10

Prerequisites: None

Credit: 1/4 each session

Fee: Yes, to be set annually

HEALTH (1504)

OBJECTIVES :

To instruct children and young people so that they may maintain and improve their own health.

To build practices which protect the health of the individual family and community.

To develop confidence in dealing with illnesses and emergencies.

To promote satisfactory understanding among parents and other adults so they may maintain and improve health conditions.

COURSE CONTENT:

Personality development and direction; mental health and illnesses control; tobacco, narcotics; alcohol; study of bones; muscles; glands; posture; fatigue and sleep; study of food; digestion; respiration; and other relevant topics and issues.

Course Length: One Semester

Prerequisites: None Health is required for all tenth grade students
This class is scheduled in conjunction with Biology and Life Science

Credit: 1/2

Fee: No

SCIENCE (1700)

PHYSICAL SCIENCE (1701)

This course introduces the scientific method of inquiry and helps establish a foundation for the study of more advanced science courses. Topics covered include motion, energy, electricity, magnetism, heat, nuclear energy, the structure of matter, and the properties of matter.

Course Length: Full year

Prerequisites: Completion of eighth grade
Credit: 1
Fee: Yes

BIOLOGY I (1702) or **LIFE SCIENCE** (1709)

Biology and Life Science are courses that study the nature of life. Specifically, there are five areas of concentration including:

1. Science Inquiry and Application
2. Heredity
3. Evolution
4. Diversity and Interdependence of Life
5. Cells.

Course Length: Full Year
Prerequisites: Satisfactory completion of physical science
Credit: 1
Fee: Yes

Students with an A or B average in Physical Science and successful completion of Algebra 1 should take Biology.

BIOLOGY II (AP Biology) (1707)

This is a class designed for college-bound students or students who are interested in biology. It is a more in-depth exploration of the study of life. Topics covered include: genetics, biotechnology, plants, and animals.

Fast paced, College level class, Independent project is required

Course Length: Full Year
Prerequisites: Biology I, Algebra I, Chemistry or concurrent enrollment with chemistry.
Credit: 1
Fee: Yes

CHEMISTRY (1703)

This course presents a study of chemical elements and the reactions which they undergo. There is also an emphasis upon many of the common chemical processes found in daily living.

Course Length: Full Year
Prerequisites: Junior or senior standing
Credit: 1
Fee: Yes

ANATOMY & PHYSIOLOGY (1704)

This is a college credit plus class through Rhodes State designed for college-bound students who are interested in anatomy and physiology or a career in the medical or a health-related field. This course studies the various systems of the body and the relationships which exist among those systems. System disorders are also covered. This course is intended for students who are serious about taking a college course. This is a true college course experience. Students must be self-motivated.

This course has been approved dual enrollment (college credit as well as high school credit).

Course Length: Full Year
Prerequisite: Biology I & Chemistry (or currently enrolled)
Credit: 1 (Up to 8 semester credit hours [4 per semester] can be earned through Rhodes State Community College)
Fee: Yes

ECOLOGICAL APPLICATIONS in ENVIRONMENTAL SCIENCE (Ecology) (1710)

Students will study the levels of Ecosystem Structure and Function including: biodiversity; endangered species; ecosystem degradation; and the impact of humans on the ecosystem. Students will apply ecological principles to real-life situations. Conservation and stewardship are core themes in each unit studied. Students will also have field experiences in several areas.

Course Length: One Semester
Prerequisite: Biology I
Credit: 1/2
Fee: Yes

ENVIRONMENTAL ISSUES (1711)

This course is an overview of environmental problems facing our biosphere in today's world. The following will be covered in the curriculum for this course: water quality; air quality; population growth; pollution & trash; and abuse of natural resources. The effect of these problems on our biosphere and the impact on humans will be explored. Emphasis will be placed on a personal approach to environmental science by using: realistic situations; environmental inquiry; and student-led discussions and activities. Students will be challenged to research topics and form their own views on these ever-changing issues.

Course Length: One Semester
Prerequisites: Biology I
Credit: 1/2
Fee: Yes

PHYSICS (1706)

This course studies the basic physical laws of nature and the mathematical relationships found in those laws. Course availability is dependent on sign-up.

Course Length: Full Year
Prerequisites: Junior or senior standing with successful completion of Trigonometry/Pre-Calculus or current enrollment in Trigonometry/Pre-Calculus.
Credit: 1
Fee: Yes

SOCIAL STUDIES (1800)

WORLD HISTORY (1816)

This class is designed for freshmen. It deals with a variety of historical topics and issues from 1600 until 1920 and is directly correlated to the Ohio Academic Standards for social studies.

Course Length: One Semester
Prerequisites: Required of all freshmen
Credit: 1/2
Fee: No

MODERN WORLD HISTORY (1817)

This course is designed for freshmen. It deals with a variety of historical topics and issues from 1920 to the present and is directly correlated to the Ohio Academics Standards for social studies.

Course Length: One Semester
Prerequisites: Required of all freshmen
Credit: 1/2

Fee: No

AMERICAN HISTORY (1802)

American History is a course for all sophomores. It is required for graduation. The course content deals with the rise of the American nation from 1877 until the present, economic growth, wars, national and international issues, and the impact that personalities have had on our past, present, and future. It will focus specifically on the final areas of coverage for the OGT.

Course Length: Full Year
Prerequisites: Required of all sophomores
Credit: 1
Fee: No

GOVERNMENT (1815)

Successful completion of this class is a requirement for graduation from Anna High School. This is a full year course that covers the foundations of the American governmental system, citizenship and civil rights, the branches of our government and their inter-workings, as well as state rights and responsibilities and civil laws.

Course Length: Full Year
Prerequisites: Required of all juniors at Anna HS
Credit: 1
Fee: No

ECONOMICS (1818)

This course explores the fundamentals which guide individuals and governments as they make choices about how to use limited resources to meet needs and wants. More specifically, it focuses on the ability of individuals to utilize knowledge and skills to manage personal financial resources effectively in order to have financial stability and security.

Course Length: One Semester
Prerequisite: Junior or senior standing
Credit: 1/2
Fee: No

PSYCHOLOGY (1807)

This course is designed to help students understand the views of the major schools of psychological theory; gain a working knowledge of major terms and definitions; and examine experimentation and control groups. This course will also look at sensation and perception; learning and testing; communication; motivations and emotions; and mental and behavioral disorders.

Course Length: One Semester
Prerequisite: Junior or senior standing
Credit: 1/2
Fee: No

SOCIOLOGY (1819)

This course studies human society and social behavior. Positive human relationships are an essential part of a civilized society. How humans interact with each other is important, so that we can find answers to questions and solutions to problems in the world. This course also deals with the social atmosphere which helps to make us who we are and how we behave. Sociology will cover topics including: culture; violence; deviance; social control; socialization and personality; group behavior; social class; and social institutions. The key component of sociology is to study ourselves, and how society may influence our behavior.

Course Length: One Semester
Prerequisite: Junior or senior standing

Credit: 1/2
Fee: No

WORLD GEOGRAPHY (1808)

This course builds on students' understanding of geography and spatial thinking. Contemporary issues are explored through the use of geography. Students will: understand where physical and cultural features are located; why those features are located in those places; and the implications of these spatial arrangements.

Course Length: One Semester
Prerequisite: Junior or senior standing
Credit: 1/2
Fee: No