

CORY-RAWSON HIGH SCHOOL COURSE GUIDE 2016-2017



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INTRODUCTION

This Curriculum Guide supplies information offered at each grade level and the requirements necessary for graduation. The student and parent need to consider interests, aptitudes and post high school plans when selecting courses.

Each year brings about some changes in the curriculum for the following year. **Therefore it is recommended that one look over the courses very carefully.** Due to changes, one may find that previous course planning will have to be re-evaluated.

It is the responsibility of the student to make sure all requirements for graduation are met.

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Cory-Rawson Graduation Requirements

4 credits English language arts
½ credit Health
4 credits Mathematics (through Algebra 2)
½ credit Physical Education
3 credits Science (Biology, Physical, +1 advanced Science)
3 credits Social Studies (World, US History, US Gov't)
½ credit Economics and Finance
1 credit in Fine Arts (in Middle School, High School, or attend Millstream)
22 credits TOTAL

New Ohio Department of Education Graduation Requirements (Class of 2018 and beyond)

Earn minimum number of points on seven end-of-course exams:

- Algebra I and Geometry
- Physical Science
- US History and US Government
- English 9 and English 10

Meet one of the following:

1. Earn a cumulative passing score on seven end-of-course exams. The scores will be set by the State Board of Education.
2. Earn a “remediation-free” score on a nationally recognized college admission exam such as ACT or SAT. The state of Ohio will pay for all 11th-grade students in the Class of 2018 and beyond to take the exam free of charge.
3. Earn a State Board of Education-approved, industry-recognized credential or a state-issued license for practice in a career and achieve a score that demonstrates workforce readiness and employability on a job skills assessment.

Ohio Honors Diploma Criteria

Students need to fulfill 7 of 8 applicable criteria for the Diploma with Honors

	Academic Diploma with Honors	Career-Technical Diploma with Honors (Millstream)
English	4 Units	4 Units
Mathematics	4 Units – including Algebra 1, Geometry, Algebra 2 and another higher level course	4 Units – including Algebra 1, Geometry, Algebra 2 and another higher level course
Science	4 Units including Chemistry and Physics	4 Units including two units of advanced science*
Social Studies	4 Units	4 Units
Foreign Language	3 Units – must include no less than 2 units for which a credit is sought – i.e. 3 units in one language or 2 units in two languages	N/A
Fine Arts	1 Unit	N/A
Grade Point Average (GPA)	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT Score	27 ACT / 1210 SAT	27 ACT / 1210 SAT
Electives	N/A	4 Units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to postsecondary credit.
Additional Assessment	N/A	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

COLLEGE CREDIT PLUS PROGRAM

Students in grades 7-12 have the opportunity to earn college credit while enrolled at CRHS. This statewide program allows students to apply to a college or university to take courses toward a particular degree of interest. Classes can be taken on the college or university campus, online or at CRHS (when available). Courses can be taken during the school day, or in the evening/weekend. Tuition fees are covered for the student who enrolls at a public college or university; students who select a private college or university may incur some cost. Transportation is the responsibility of the family. A parent information meeting will take place each year in late winter to highlight the program.

Parents must notify CRHS by April 1st that they are interested in having their child participate during the following school year.

STUDENT ORGANIZATIONS and EXTRA-CURRICULAR ACTIVITIES

Below is a list of recognized school clubs and organizations. Students are encouraged to participate/apply!

Art Club	Yearbook Staff	FFA
FCCLA	National Honor Society (NHS)	Pep Band
HAPPY	Cultural Appreciation Club	High School Play/Musical
Quiz Bowl	Student Council	Jazz Band
Show Choir	SWA4G	Fellowship of Christian Athletes (FCA)

SPORTS

In addition to the following sports, students may also participate as managers, mat maids, and statisticians.

Fall

Football
Volleyball
Boys Soccer
Girls Soccer
Football Cheerleading
Flag Corp (*must be in band*)
Cross Country
Competition Cheer (club)

Winter

Boys Basketball
Girls Basketball
Wrestling
Basketball Cheerleading
Indoor Track (club)
Competition Cheer (club)

Spring

Boys Track & Field
Girls Track & Field
Softball
Baseball

SCHEDULE CHANGES

The expectation is that students commit themselves to taking those classes which they have requested. Changing classes will be allowed on an individual basis for **educational reasons only**. Schedule changes are approved by the Administration and/or High School Counselor.

GUIDANCE DEPARTMENT

The high school counselor (grades 7-12), Mrs. McFarland, extends an invitation to every student to visit the guidance office. One of the main aims of the counselor is to help you navigate successfully through high school. This may include: helping you with your schedule plans, career options, and personal goals and concerns. You are encouraged to not wait until the last moment to make plans for the future.

CRHS COURSE LIST

All courses are one year in length unless otherwise noted.

Courses at Cory-Rawson Schools are available to all students regardless of race, religion, national or ethnic origin, sex, age, or handicap.

ART

0101. ART I – 1 credit

This course is offered to students in grades **9, 10, 11, 12**. Basic skills in studio art are taught. For example, there is a strong emphasis on drawing improvement, color theory, design & composition. A variety of media will be introduced, such as pencil, graphite, marker, pen & ink, water color, tempera, and oil pastels. **LAB FEE \$30.00**

0102. ART II – 1 credit

This course is offered to students in grades **10, 11, 12**. The emphasis in Art II is for the students to be introduced to more and varied Medias and to be allowed more creative freedom within each assignment. **LAB FEE \$35.00 PREREQUISITE 0101.**

0103. ART III – 1 credit

This course is offered to students in grades **11, 12**. The Art III student is free to explore any media and technique he or she wishes. Students are required to produce a specific number of projects along with required sketchbook assignments. **LAB FEE \$40.00 PREREQUISITES: 0101, 0102 & the recommendation of the instructor.**

0104. ART IV – 1 credit

This course is offered to students in grade **12**. The Art IV student is free to explore any media and technique he or she wishes with a set number of projects to be completed each grading period along with required sketchbook assignments. **LAB FEE \$40.00 PREREQUISITES: 0101, 0102, and 0103 & the recommendation of the instructor.**

BUSINESS

0305. FUNDAMENTALS OF BUSINESS – 1 credit

This course is offered to students in grades **9, 10, 11, 12**. This is the initial course relating to the Business career field. It will introduce students to specific disciplines offered in Business and Administrative Services. Students will gain competencies in fundamental business activities. They will acquire knowledge of business processes, business economics, relationships, and general business management. Leadership and communication skill development will also be addressed. Students will plan, actualize and ultimately develop a business plan, complete with a mission statement, goals, and objectives. Technology and its use in business management will be reviewed.

0306. MARKETING FUNDAMENTAL PRINCIPLES – .5 credits – first semester course

This course is offered to students in grades **11, 12**. This course will introduce students to the key principles of Marketing. Students will learn fundamental skills in marketing communication, marketing management, marketing research, and merchandising, as well as professional selling. They will add competencies and knowledge in product, pricing, service management, as well as branding. They will identify and qualify target markets, conduct market and competitive analysis, forecast sales, set goals, establish budgets, and develop a comprehensive marketing plan. Legal and ethical issues will also be addressed, along with communication and leadership skills.

0307. STRATEGIC ENTREPRENEURSHIP - .5 credits – second semester course

This course is offered to students in grades **11, 12**. Students will learn innovative skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. They will use technology to select target markets, profile target customers, define the venture's mission, and create business plans. Students will calculate and forecast costs, break-even levels, and sales forecasts. They will develop branding strategies, set prices, establish promotional plans, and manage customer relationships. They will also develop employee plans and levels.

ENGLISH

0401. AMERICAN LITERATURE /ADVANCED COMPOSITION – 1 credit

This course is offered to students in grades **11, 12**. The two major thrusts are: (1) A survey of American literature and American ideas from colonial to modern times, and (2) A course in composition aimed at preparation for college writing. **FEE FOR PAPERBACKS**. **PREREQUISITE: 0406 and a 'B' or better in 0407 (Or written permission of instructor)**

0403. COLLEGE ENGLISH – 1 credit

This course is offered to students in grade **12**. This class is a survey of literary classics for college-bound students by authors from around the globe. The class also practices research skills including: using the Internet for research, note-taking, and research paper writing, including several brief research projects and one extensive research paper. **FEE FOR PAPERBACKS**. **PREREQUISITES: 0406, 0407 and a 'B' or better in American Literature/Advanced Composition (Or written permission of instructor)**

0404. ENGLISH 12 – 1 credit

This course is offered to students in grades **11, 12**. This course covers units combining literature and composition. Although the focus of English 12 is mainly on novels, this class includes a study of short stories, vocabulary, grammar, reflective essays, and professional writing. **PREQUISITES: 0406, 0407 FEE FOR PAPERBACKS.**

0406. ENGLISH 9 – 1 credit

This course is offered to students in grades **9**. This course covers units combining literature and writing. Units studied usually include: Short stories, the Epic, Shakespeare, novels, non-fiction, drama, journalism and types of writing. Composition practice includes grammar review and essays that require various writing styles.

0407. ENGLISH 10 – 1 credit

This course is offered to students in grade **10**. This course is a combination of literature and grammar. Composition and vocabulary are involved in both. A research paper with a focus on the organizational process is required. **PREQUISITE: 0406 FEE FOR PAPERBACKS.**

0408. ENGLISH 11 – 1 credit

This course is offered to students in grades **11, 12**. This course covers units combining American Literature and composition. This includes a review of grammar, spelling and punctuation. Some American novels will be studied in addition to a broad survey of American short stories and poetry. **PREREQUISITES: 0406, 0407. FEE FOR PAPERBACKS.**

0409. PUBLIC SPEAKING – .5 credits – first semester course

This course is offered to students in grades **9, 10, 11, 12**. Students are introduced to public speaking as an important component of their academic, work, and social lives. They study public speaking occasions and develop skills as fair and critical listeners of spoken information and persuasion. Students study types of speeches, read and listen to model of speeches, and prepare and present their own speeches. Students learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback.

0410. CREATIVE WRITING - .5 credits – second semester course

This course is offered to students in grades **9, 10, 11, 12**. The creative writing course is designed to challenge and engage students interested in literary creation, providing them with a substantial foundation for further exploration of their creative work. Students will explore different writing techniques and styles as well as develop their own writing skills. Additionally, students must be willing to share their work and ideas with the group

0411. NOVELS – 1 credit

This course is offered to students in grades **9, 10, 11, 12**. This class will consist of the reading and studying of novels from various genres. We will engage in techniques and practices of reading and enjoying literature. We will analyze and write about the works and explore the basic components of the each genre.

FOREIGN LANGUAGE

0504. SPANISH I – 1 credit

This course is offered to students in grades **8, 9, 10, 11, 12**. Spanish 1 creates a good foundation in pronunciation, as well as learning how to study another language. Beginning vocabulary and useful expressions are learned by using them orally in the classroom and in written assignments. The basic grammar for nouns, adjectives and pronouns are mastered in the first year, along with the present tense of verbs. Students will be exposed to the geography and customs of Spanish-speaking countries and Spanish-speaking areas of the United States. **FEE: \$8.00 fee for a language magazine.** **PREREQUISITE: "C" OR BETTER IN ENGLISH.** *Eighth-grade students should have the approval/recommendation of their seventh-grade English teachers.*

0505. SPANISH II – 1 credit

This course is offered to students in grades **9, 10, 11, 12**. The second year begins with a thorough review and continues to expand the vocabulary. More emphasis is placed on reading for comprehension, and the study of the past tense is completed this year. Students will continue to develop an appreciation for Hispanic cultures through a variety of materials. **FEE: \$8.00 for a language magazine.** **PREREQUISITE: "B" OR BETTER IN SPANISH I.**

0506. SPANISH III – 1 credit

This course is offered to students in grades **10, 11, 12**. In Advanced Spanish, all verb tenses are reviewed. The future, conditional, and present and past perfect tenses along with the subjunctive mood are taught and the total knowledge of Spanish is applied to the reading of Spanish writings, both literary and practical. Students will communicate through a wide variety of techniques. The culture, history, and geography of Spain and Mexico are studied more in depth than in previous years. **NOTEBOOK FEE: \$5.00 for a verb guide.** **PREREQUISITE: "B" OR BETTER IN SPANISH II.**

0507. CULTURE OF SPAIN AND LATIN AMERICA – 1 credit

This course is offered to students in grades **11, 12**. This course is designed as a culture (not language) course and **does not** count towards the foreign language requirement for an Honors Diploma. It is designed for all students regardless of if they have taken or plan to take Spanish. Each 9 weeks we will explore a different region (Spain, Caribbean, Mexico and Central America, South America). The culture will be explored through books, movies, travel information, music, and current events. Course availability depends on number of interested students and time in the teacher's schedule. Because the course is segmented, it may be taken either semester or for the entire year. **FEE: \$10 to purchase materials.** *This course is also well-suited to independent study if no room exists in the student or teacher's schedule.*

0508. SPANISH IV – 1 credit

This course will focus on improving communication skills using grammar learned in levels 1, 2, and 3. Some new grammar will also be taught. Topics related to the culture of the Spanish-speaking parts of the world will be explored in the Spanish language and students will read and view authentic language sources. In addition, students will write and present information about various topics in Spanish.

MATHEMATICS

<u>College Prep Math Track</u>	<u>General Math Track</u>
CP Alg 1 → CP Geom → CP Alg 2 → Stats <i>or</i> Pre-Calc	Applied Alg → Alg 1 → Geom → Alg 2

0701. CP ALGEBRA 1 – 1 credit

This course is offered to students in grades **9, 10**. Students will look at the positive and negative numbers, linear and quadratic equations, algebraic fractions and the real number system.

0702. CP ALGEBRA 2 – 1 credit

This course is offered to students in grades **11, 12**. This class is a review of Algebra I, plus a study of quadratic functions, complex number systems, conic section, logarithms and trigonometry. **PREREQUISITE: 0704.**

0704. CP GEOMETRY – 1 credit

This course is offered to students in grades **9, 10**. This class is a deductive look at Euclidean Geometry. **PREREQUISITE: 0701**

0705. PRE-CALCULUS I – 1 credit

This course is offered to students in grades **11, 12**. This course is designed for the highly motivated student who has a strong background in both algebra and geometry. Students will explore, graph and solve problems with algebraic, trigonometric, exponential and logarithmic functions and study conic sections. Additional advanced algebraic topics will be addressed. **PREREQUISIT: 0702**

0706. APPLIED ALGEBRA – 1 credit

This course is offered to students in grades **9**. This class is an introduction to algebra concepts including solving equations, negative numbers and graphing.

0707. ALGEBRA – 1 credit

This course is offered to students in grades **10, 11, 12**. This class is a continuation of Intro to Algebra. This class will look at positive and negative numbers, linear and quadratic equations, algebraic fractions and the real number system. **PREREQUISIT: 0706**

0708. GEOMETRY – 1 credit

This course is offered to students in grades **11, 12**. This class is an introduction to geometry concepts, including writing proofs and a deductive look at Euclidean Geometry. **PREREQUISIT: 0707**

0709. ALGEBRA 2 – 1 credit

This course is offered to students in grades **11, 12**. This class is a review of Geometry or Algebra I, plus a study of quadratic functions, complex number systems, conic section, logarithms and trigonometry. This course is intended for the students who are not planning on attending a 4 year college. **PREREQUISITE: 0707 or 0701**

0711. PRE-CALCULUS II – 1 credit

This course is offered to students in grade **12**. This course will include an in-depth study of algebraic, trigonometric, exponential and logarithmic functions and the study of conic sections. **PREREQUISIT: 0705**

0712. STATISTICS – 1 credit

This course is offered to students in grades **11, 12**. This course is designed to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Statistics is an excellent option for any student who has successfully completed Algebra 2. **PREREQUISIST: 0709 or 0702**

MUSIC

0801. BAND – 1 credit

This course is offered to students in grades **9, 10, 11, 12**. The band meets daily with total emphasis from August to the beginning of November on developing marching and playing fundamentals. The marching band is featured during football halftime performances, competition shows and area festivals/events. Beginning in November, concert season includes Christmas, Winter and Awards Concerts as well as participation in District Band Large Group Adjudicated Events. Students are expected to work individually and collectively to increase their musicianship. In addition, some students elect to try out for All-State, District 3 and Hancock County Festival Bands. Other events include solo and ensemble contests. Band is open to any student who wants to or has learned to play an instrument. Flag Corps members must be in the band and are selected each year in the spring through a tryout process. All performances during the school year are required and absence will result in a lowered grade for that grading period.

0802. CHORALE – 1 credit

This course is offered to students in grades **9, 10, 11, 12**. This class meets one period daily and allows singers to mature individually and collectively. The choir performs in four concerts per year: Choral Invitational, Christmas, Winter, and Spring Awards. Chorale also performs at graduation. Chorale participates in the O.M.E.A. band and choir adjudicated events. Attendance at all performances is required. Grades are based on points earned during rehearsals, quizzes and performances. Members may audition for the C-R Impressions, participate in the O.E.M.A. solo and ensemble contest, audition for the Honors Choirs, (All-State, All-District and All-County) and participate in the musical, which is given every two years.

0803. MUSIC THEORY (ONLINE) – .5 credits

This course is offered to students in grades **9, 10, 11, 12**. The course requires no prior instrumental, vocal, or music theory study. Using the piano keyboard as a visual basis for comprehension, the course materials explore the nature of music, integrating these concepts: rhythm and meter, written music notation, the structure of various, scale types, interval qualities, melody and harmony, building of chords, transposition. Throughout the series of assignments, ear training exercises are interspersed with the bones of composition technique, building in students the ability not only to hear and appreciate music, but step-by-step, to create it in written form as well. This highly interactive course culminates in the students producing original compositions, which while based on standard notation, demonstrate facets of personal expression. As the students' ability to perform increases in the future, they will better understand music and therefore better demonstrate its intrinsic communication of emotion and ideas. **While this is an online course, students will be meeting weekly (before or after school) to reinforce material as well.**

HEALTH AND PHYSICAL EDUCATION

0902. HEALTH – .5 credits – 1 semester course

This course is offered to students in grades **9, 10**. This course is a study of the following topics: personal care, nutrition, weight management, effects of alcohol, tobacco, and other drugs on the body, relationships, sexual transmitted diseases, contraceptives, and Adult and Child CPR. **FEE \$10.00 FOR SUPPLIES**.

0903. INDIVIDUAL AND TEAM SPORTS – .25 credits – one semester course

This course is offered to students in grades **9, 10, 11, 12**. Physical Education is the teaching of skills and attitudes in play activities. Students will be involved in both individual and team sport activities. Areas covered include, motor skills, physical fitness, social skills, and athletic skills. Activities may include football, soccer, volleyball, weight training, ping pong, pickle ball, badminton, baseball, and hockey. **Individual and Team Sports class cannot be taken twice until the student completes Fitness for Life class.**

0905. WEIGHTLIFTING – .25 credits – one semester course

This course is offered to students in grades **11, 12**. Weightlifting will review and build upon those concepts learned in Fitness for Life class. The emphasis will be placed on weight training which will include learning how to develop a weight training program and evaluating that program. **Junior/Senior class or with permission of instructor.**

SCIENCE

1101. BIOLOGY I – 1 credit

This course is offered to students in grade **9**. A general overview of both plants and animal worlds will be covered. Biology is the first step in the complex and complete of the living world. **LAB FEE**
PREREQUISITE: 1105 (PHYSICAL SCIENCE).

1102. BIOLOGY II – 1 credit

This course is offered to students in grades **11, 12**. This course is the study of plant and animal taxonomy, structure, and function. This is a continuation of the studies started in Biology I. **LAB FEE PREREQUISITE: At least a “C” in 1101, (BIOLOGY I).**

1103. ANATOMY/PHYSIOLOGY – 1 credit

This course is offered to students in grades **11, 12**. This class is the study of the human body, structure, and function. This course is designed for students intending to enter the human health profession or exercise sciences. **LAB FEE PREREQUISITE: At least a “B” in 1101 (BIOLOGY I) and PERMISSION OF INSTRUCTOR.**

1104. CHEMISTRY – 1 credit

This course is offered to students in grades **11, 12**. This class is the study of the properties of matter and is divided into lab, class, and problem-solving areas. Since students will be working with a variety of chemicals, safety will be stressed. **LAB FEE PREREQUISITE: ‘C’ in 0702 (GEOMETRY) or PERMISSION OF INSTRUCTOR.**

1105. PHYSICAL SCIENCE – 1 credit

This course is offered to students in grade **10**. This course is a survey of the physical world. Areas of study include motion, energy, electricity, matter, and space. **LAB FEE**

1106. PHYSICS – 1 credit

This course is offered to students in grade **12**. This course is divided into mechanics, electronics, electromagnetic radiation, and sound. **LAB FEE** **PREREQUISITE: ‘C’ or better in 0703 (ALGEBRA II) and 1104 (CHEMISTRY) or PERMISSION OF INSTRUCTOR.**

1109. ORGANIC CHEMISTRY – 1 credit

This course is offered to students in grade **12**. This class is the study of the branch of chemistry that is based on carbon and organic compounds, especially hydrocarbons. **PREREQUISITE: HAVE TAKEN CHEMISTRY AND RECEIVED A “B” OR BETTER. LAB FEE**

1110. ENVIRONMENTAL SCIENCE – 1 credit

This course is offered to students in grades **11, 12**. The class focus is on the function, different relationships and interactions within the surrounding environment.

1111. ROBOTICS – 1 credit

This course is offered to students in grades **11, 12**. **This multimedia curriculum is an ideal introduce to robots in a high school classroom.** Our course will use an engaging program to teach STEM concepts utilizing the LEGO Mindstorms NXT Robots. Students learn how to program basic robot behaviors using motors and rotation, sound, light, touch and ultrasonic sensors. Fifteen in-depth research lessons are based on real-world robots. Step-by-step videos and teacher interaction teach students how to use the programming language, build robots, basic robot behavior, use of sensors, robot competition, etc. **Students will start by learning basic robot building instructions, programming and movement** then move on to working with sensors and more complex robot behaviors. Twelve in-depth research projects cover key STEM concepts, step-by-step programming instructions, and many challenge questions to reinforce key educational outcomes. **This course is limited to 12 Juniors and Seniors with a B or better in Algebra II or permission of the instructor.**

SOCIAL STUDIES

1201. AMERICAN HISTORY – 1 credit

This course is offered to students in grade **10**. In this course, students begin where 8th grade American History left off. We will examine the story of the United States since 1877. The course will focus on both the political, cultural, and economic developments of the last 130 years. Special emphasis will be placed on how American citizens’ lives were affected during the wars and interwar years. To that end, we will spend time studying World War II, the Cold War, the Civil Rights Movement, and the Vietnam War. Every effort will be made to cover the more recent events of the last two decades, as those present the most immediately relevant topics for high school students. Multi-media presentations, music, and films are used to help students “see” and “hear” the events which have shaped the modern world we live in.

1202. ECONOMICS & FINANCE - .5 credits

This course is offered to students in grades **11, 12**. Students are introduced to the basics of economic principles, and how they relate to individuals in their daily life as well as to government and business. They explore different economic systems, including the American free enterprise system, analyze and interpret data, and consider economic applications in today's world, while an emphasis will be put on economic issues and decisions that students will soon face themselves as young adults. From economics in the world of business, money, banking, and finance, students see how economics is applied both domestically and globally.

1203. UNITED STATES GOVERNMENT – 1 credit

This course is offered to students in grades **11, 12**. This course uses the perspective of political institutions to explore government history, organization, and functions. Students encounter the political culture of our country from the Declaration of Independence to the present day, gaining insight into the challenges faced by presidents, members of Congress, and other political participants. A large emphasis will be laws in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today. The course also covers the roles of political parties, interest groups, the media, and the Supreme Court. Students learn to use primary historical documents as evidence in evaluating past events and government functions.

1205. CONTEMPORARY CIVICS – .5 credits – first semester course

This course is offered to students in grades **11, 12**. Street Law is a practical guide in law-related issues. The material covers a wide variety of laws which students should be concerned with now. The course is designed to include a great deal of discussion concerning laws and how they affect them.

1208. WORLD STUDIES – 1 credit

This course is offered to students in grade **9**. Students will continue the chronological study of world history from the age of Enlightenment to the present day. As we study historic eras, we will consider the influence of geographic settings, cultural perspectives, economic systems and various forms of government. Students gain a deeper understanding of the role of citizens, continue to develop research skills, and prepare for the Ohio Graduation Test.

1209. CURRENT EVENTS – .5 credits – second semester course

This course is offered to students in grades **11, 12**. This class takes a close look at current issues facing the United States. Foreign and domestic policy and cultural issues will be discussed in a variety of ways. Interactive lessons, including PowerPoint presentations, videos, and class discussions will drive the class. Material fee: New York Times Upfront magazine subscription.

1210. ADVANCED PLACEMENT: UNITED STATES HISTORY – 1 credit

This course is offered to students in grades **10, 11, 12**. AP U.S. History is a challenging course that is meant to be the equivalent of a freshman college course and students **can earn college credit**. It is a two semester survey of American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with the willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, and interpretation of original documents. Training students to handle various parts of the AP exam in May will also constitute a portion of the class. Students will be required to work on document-based questions (DBQs) and writing in class essays in preparation for the AP exam. Entire periods will be devoted to the return of graded essays, discussions of the most common positive and negative aspects of each set, and the distribution of examples of well-done essays.

Course Objectives- Students will:

- master a broad body of historical knowledge
- demonstrate an understanding of historical chronology
- use historical data to support an argument or position
- interpret and apply data from original documents, including cartoons, graphs, letters, etc.
- work effectively with others to produce products and solve problems
- prepare for and successfully pass the AP U.S. History Exam

1212. PSYCHOLOGY – .5 credits

This course is offered to students in grades **11, 12**. A survey course will expose students to many of the fields of interest within Psychology. Topics covered will be the more familiar personality development, altered states of consciousness (sleep, dreams and hypnosis) learning, memory, and abnormal behavior. Students will also study the biological basis of behavior, motivation, sensation and perception. Vocabulary is an essential part of psychology, therefore, vocabulary is emphasized.

1213. SOCIOLOGY – .5 credits

This course is offered to students in grades **11, 12**. This class is a survey format class that introduces basic concepts, perspectives and approaches to society as a whole, focusing on the social atmosphere that helps to make us who we are and the society that influences our behavior. Sociology will cover topics such as culture, violence, deviance, social control, socialization, personality, group behavior, social class and social institutions. The key component of this course is to study ourselves and the society that influences our behavior.

AGRICULTURAL SCIENCE

1431. AGRICULTURE, FOOD AND NATURAL RESOURCES – 1.25 credits

This course is offered to students in grade 9 -or- 1st year Agriculture students.

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the breadth of the Agricultural and Environmental Systems career field. Students will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. In addition, students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and record keeping skills. **This is a MANDATORY first year agriculture education class.**

1432. ANIMAL AND PLANT SCIENCE – 1.25 credits

In this course, students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to animal body systems, plant structures along with the growth and reproductive practices of both. Students will evaluate conditions of animals and plants for their general welfare. Business principles will be examined along with the professional skills needed for success in these career areas. **PREREQUISITE: Agriculture, Food and Natural Resources.**

1434. BUSINESS MANAGEMENT FOR AGRICULTURAL AND ENV'L SYSTEMS – 1 credit

Students will examine elements of business, identify organizational structures and identify and apply management skills. Students will develop business plans, financial reports and strategic goals for new ventures or existing businesses. In addition, students 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 used in the business of agriculture and environmental industries while implications of business regulations will be identified.

PREREQUISITE: Agriculture, Food and Natural Resources AND Animal and Plant Science.

1435. ANIMAL ANATOMY & PHYSIOLOGY – 1 credit

Students will examine the structure and functions of the major organ systems as well as the functions and principles of blood flow in animals. Students will study internal and external anatomical parts and their functions, along with the relationship among systems within the body of animal. Throughout the course, students will apply the inner workings of anatomical structures to the business and industry principles of the animal industry. **PREREQUISITE: Agriculture, Food and Natural Resources AND Animal and Plant Science.**

1436. MECHANICAL PRINCIPLES – 1 credit

Students will engage in the engineering principles utilized in animal and plant production systems. Topics include electrical theory, design, and wiring of agricultural and environmental systems. In addition, students will learn metallurgy in relation hot and cold metals along with sheet metal fabrication. Furthermore, learners will engage in hydraulic and pneumatic theory and small air cooled engine repair and maintenance. Throughout the course, students will learn critical components of site and personal safety along with communication and leadership skills. **PREREQUISITE: Agriculture, Food and Natural Resources AND Animal and Plant Science.**

1437. GREENHOUSE AND NURSERY MANAGEMENT – 1 credit

Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. Students will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. In addition, students will learn pest and disease identification and control along with bio-security practices. Furthermore, students will demonstrate propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills related to the greenhouse and nursery industries will be emphasized. **PREREQUISITE: Agriculture, Food and Natural Resources AND Animal and Plant Science.**

1438. AGRICULTURAL AND ENVIRONMENTAL SYSTEMS CAPSTONE – 1 credit

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. **PREREQUISITE: Agriculture, Food and Natural Resources, Animal and Plant Science, and one other agriculture education class.**

OPTIONAL CO-OP: Students may receive additional credit by taking part in a Co-Op/Work release option. Records of hours worked will need to be kept up to date in order to receive full credit. An agreement between the school, instructor and employer designating student's responsibilities will need to be signed. Experience will count toward student's SAE.

FAMILY & CONSUMER SCIENCE

1502. HUMAN GROWTH AND DEVELOPMENT – .5 credits (Semester 1)

This course is offered to students in grades **9, 10, 11, 12**. Students will analyze human growth and development throughout the lifespan. An emphasis will be placed on physical, cognitive, social and emotional growth and development. Additional topics will include human characteristics and traits, genetic defects, parenting styles and responsibilities and cultural differences within a family unit and community. **LAB FEE.**

1503. INTRODUCTION TO FAMILY & CONSUMER SCIENCE – 1 credit

This course is offered to students in grades **9, 10, 11, 12**. This first course will provide students with an overview of the major content areas of Family and Consumer Sciences: child development, family relationship concepts, financial literacy, consumer economic principles, and design through textiles for personal and home use. Throughout the course, students will develop communication skills, leadership skills and career investigation skills. **LAB FEE.**

1506. CHILD DEVELOPMENT – .5 credits (Semester 2)

This course is offered to students in grades **9, 10, 11, 12**. Students will study the principles of child growth, development and behavior. An emphasis will be placed 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. **LAB FEE**.

1510. GLOBAL FOODS – 1 credit

This course is offered to students in grades **9, 10, 11, 12**. 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 of 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. **LAB FEE**.

1514. PRINCIPLES OF FOOD – 1 credit

This course is offered to students in grades **9, 10, 11, 12**. 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. **LAB FEE**.

1517. INTERIOR DESIGN - .5 credits (Semester 1)

This course is offered to students in grades **9, 10, 11, 12**. Students will examine design principles used in residential interiors. An emphasis will be placed on incorporating anthropometrics, ergonomics and psychological responses. Additional topics will include the selection and organization of furnishings, floors and wall coverings in living spaces, kitchens and baths. **LAB FEE**.

1518. FASHION DESIGN - .5 credits (Semester 2)

This course is offered to students in grades **9, 10, 11, 12**. In this course, students will study the visual appearance of fabric and fashion design. Students will identify, analyze and apply production processes and techniques to textiles. Additional topics will include the maintenance and alterations of textiles products, including home interior accessories and garments. **LAB FEE**.

1519. LEADERSHIP & COMMUNITY ENGAGEMENT – 1 credit

This course is offered to students in grades **9, 10, 11, 12**. In this course, students will learn how to become an active community member and citizen. An emphasis will be placed on in-service learning, leadership training and teambuilding opportunities. Additional topics will include public policy issues and community and global engagement. **LAB FEE**.

Millstream Programs

Automotive Maintenance

Multi-Point Vehicle Inspections, Automotive Fluid Services, Brakes and Mechanical Repair

Automotive Technology

Automotive Shop Safety and Foundations, Brakes, Engine Performance, Electrical/Electronics, Steering and Suspension

Building & Grounds

Landscape Maintenance & Installation, Turf Management & Installation, Power Equipment Safety & Operation, General Construction Safety & Skills, Building Maintenance & Cleaning

Computer Networking & Support

CISCO Training, Computer Troubleshooting, IT Engineering & Management; Network: Design, Installation, Maintenance & Security

Computer Programming

Software Development Technology, Program Development, Acquisition of Computer Language, Program Simulation

Construction Skills

Site Preparation, Demolition & Renovation, Framing, Masonry, Electrical, Plumbing, Green Technology, Roofing

Cosmetology

Hair Styling, Coloring; Spa Techniques: Nails, Pedicure, Nail Enhancements, Nail Art, Massage, Skin Care, Make-Up Techniques

Culinary Arts

Food Safety & Sanitation, Menu Planning, Cooking Techniques, Food as Art, Plate Presentation, Customer Service

Early Childhood Education

Child Development, Instructional Activities, Learning Center Design, Supervision, Bulletin Board Design, Positive Guidance, Training in Communicable Disease, Child Abuse, First Aid and CPR

Engineering & CAD Technology

3-D Design, SolidWorks, ArchiCAD, Hydraulics, Pneumatics, Electronics, Robotics, Industrial Plastics Molding, Architectural Design, Model Building

Hospitality & Restaurant Services

Food Safety & Preparation, Customer Service, Facility Maintenance, Linen Services, Housekeeping

Interactive Multimedia Technology

Audio / Video Production, Broadcasting Techniques, Photography, Cinematography, Journalism

Marketing

Foundations of Business, Entrepreneurship, Customer Relationships, Market Research

Medical Technology

Facility/patient infection control, safety practices, State Tested Nurse Aide Training and ODH quality of care requirements, Medical Terminology, Diversified Health Occupations, Phlebotomy

Nurse Assisting

State Tested Nurse Aide Training, Infection Control and Safety Techniques, Ohio Department of Nursing Rules and Regulations, Quality of Care for Residents/Patients

Office & Print Technologies

Office Assisting, Clerical Services, Graphic Design, Print Production, Small Business Experience

Welding

Welding Safety, Fabrication, Welding Engineering & Design, Sculptures, Cooperative Work Experience

NCAA Eligibility

Juniors & Seniors interested in playing intercollegiate athletics & receive scholarship monies to do so at either a D1 or D2 college/university, **must** register with the NCAA Clearinghouse. **Athletes should start this process their Junior year!** Please read the information below. More information regarding this program is available @ <https://web1.ncaa.org/eligibilitycenter/common/>

What is the NCAA Initial-Eligibility Clearinghouse?

The NCAA Initial-Eligibility Clearinghouse is the organization that determines whether prospective college athletes are eligible to play sports at NCAA Division I or Division II institutions. It does this by reviewing the student athlete's academic record, SAT or ACT scores, and amateur status to ensure conformity with NCAA rules.

What are NCAA Divisions I, II, and III?

The NCAA is the governing body of many intercollegiate sports. Each college and university regulated by the NCAA has established rules on eligibility, recruiting, and financial aid, and falls into one of the three membership divisions (Divisions I, II, and III). Divisions are based on school size and the scope of their athletic programs and scholarships.

When should students register with the clearinghouse?

The NCAA recommends that student athletes register with the clearinghouse at the beginning of their junior year in high school, but many students register after their junior year. There is no registration deadline, but students must be cleared by the clearinghouse before they receive athletic scholarships or compete at a Division I or Division II institution.

How do students register with the clearinghouse?

Students can register online at the NCAA Clearinghouse website. They will have to enter personal information, answer questions about their athletic participation, and pay a registration fee. The website will then prompt them to have their high school transcript and ACT or SAT scores sent to the clearinghouse.

What are the NCAA academic eligibility requirements?

To play sports at an NCAA Division I or Division II institution, the student must:

- Complete a certain number of high school core courses
- Earn a certain minimum grade point average in these core courses
- Earn a certain minimum score on the SAT or ACT (for Division I, this is scaled according to the student's core-course GPA)
- Graduate from high school