



Where Eagles Learn to Soar

Liberty-Benton High School

2022-2023 Course Descriptions

***The choices you make
today dictate the life you
lead tomorrow.***

AGRICULTURAL & ENVIRONMENTAL SYSTEMS

Each student in the Agricultural Education program is required to have a plant, animal, research, or job placement, Supervised Agriculture Experience (SAE) project in addition to an improvement/community service project. Each student is also a member of the National FFA Organization.

Ag I: Agriculture, Food and Natural Resources (381)

CCP credit through Rhodes State College (735-AGR 1000). See page 21.

Prerequisite:	None	Grades:	9
Credit:	1.25	Cost:	Class Fee + \$20 FFA Dues
Length:	1-year		

This **first** course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

Ag II: Animal & Plant Science (382)

Prerequisite:	Ag I or teacher approval	Grades:	10
Credit:	1.25	Cost:	Class Fee + \$20 FFA Dues
Length:	1-year		

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.

Ag III: Agricultural Business (383)

Prerequisite:	Ag I & II or teacher approval	Grades:	11, 12
Credit:	1.25	Cost:	Class Fee + \$20 FFA Dues
Length:	1-year		

This class is for those students interested in owning, operating, or understanding the workings of different types of businesses. This course will focus on business as it relates to the agricultural industry, but what is learned in this class can very easily be applied to different types of industries. Some of the knowledge students can expect to take away from this class are: how to structure a business, how to/actually develop a business plan, engage in sales and marketing, examine bio-security, manage purchasing and inventory for a business, identify different career development and human resources techniques, and practice business leadership. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

Ag IV: Mechanical Principles (384)

Prerequisite:	Ag I, II, & III or teacher approval	Grades:	11, 12
Credit:	1.25	Cost:	Class Fee + \$20 FFA Dues
Length:	1-year		

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 identifying, diagnosing, and maintaining small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

Ag IV: Livestock Selection, Nutrition, and Management (387)

Prerequisite:	Ag I, II, & III or teacher approval	Grades:	11, 12
Credit:	1.25	Cost:	Class Fee + \$20 FFA Dues
Length:	1-year		

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.

Ag IV: Livestock Selection, Nutrition, and Management (387)

Prerequisite: Ag I, II, & III or teacher approval
Credit: 1.25 Grades: 11, 12
Length: 1-year Cost: Class Fee + \$20 FFA Dues

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.

Advanced Ag: Food Science and Technology (385)

Prerequisite: Ag I, II, & III or teacher approval
Credit: 1.25 Grades: 12
Length: 1-year Cost: Class Fee + \$20 FFA Dues

Students will examine the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine nutrient content and their chemical makeup, while applying principles of chemistry to the development of food products. They will examine and implement food safety, sanitation, and quality assurance protocols. Government regulations and food legislation will be examined and the implications to food science and technology will be identified.

Advanced Ag: Agricultural Capstone (386)

Prerequisite: Three or more Agricultural & Environmental System course
Credit: 1.25 Grades: 12
Length: 1-year Cost: Class Fee + \$20 FFA Dues

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 the 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.

Students will build an understanding of science content and learn scientific techniques taught through the lens of conservation with an emphasis on hands-on, real-world activities. The curriculum will center on wildlife conservation and the outdoor recreational activities that financially support the North American Model of Wildlife Conservation, such as hunting, fishing, trapping, conservation work, shooting sports and boating; and how they directly benefit habitat enhancement and protection, and wildlife management, including game, non-game and endangered species. Students are not required to actually participate in these activities, but rather the lessons relate to these recreational activities. Some examples include: Conservation Work, fishing, hunting, shooting sports, and boating.

ARTS

Art I (300)

Prerequisites: None
Credit: 1 Grades: 9-12
Length: 1-year Cost: Class Fee (for materials)

Art I is an introduction to the components which create a work of art; form (the organization) and content of work. Heavy emphasis on basic fundamentals of drawing and design. Units include: contour line, still-life, perspective drawing, collage, value/shading, color blending, cubism, pointillism and more.

Drawing I (340)

Prerequisites: Art I
Credit: .5 Grades: 10-12
Length: 1 semester Cost: Class Fee (for materials)

Drawing I is a study in several approaches to illustration using various mediums and techniques of application.

Drawing II (341)

Prerequisites: Art I & Drawing I
Credit: .5 Grades: 10-12
Length: 1 semester Cost: Class Fee (for materials)

Drawing II expands on techniques covered in Drawing I, but covers a broad range of media including: pencil, Conte crayon, pastels, colored pencil, and illustration markers.

Painting I (342)

Prerequisites:	Art I	Grades:	10-12
Credit:	.5	Cost:	Class Fee (for materials)
Length:	1 semester		

Students are provided with introductions to such painting mediums as ink wash, tempera, oil and watercolor.

Painting II (343)

Prerequisites:	Art I & Painting I	Grades:	10-12
Credit:	.5	Cost:	Class Fee (for materials)
Length:	1 semester		

Paint II is an advanced course which allows students to work in tempera and acrylics with an emphasis on oil and watercolor.

Hand-built Ceramics (344)

Prerequisites:	Art I	Grades:	10-12
Credit:	.5	Cost:	Class Fee (for materials)
Length:	1 semester		

This course is a study in the construction and modeling of clay. Techniques covered include: coil building, slab, and modeling.

Wheel-thrown Ceramics (345)

Prerequisites:	Art I	Grades:	10-12
Credit:	.5	Cost:	Class Fee (for materials)
Length:	1 semester		

This is an introductory level class which emphasizes wheel thrown pottery.

Computer Graphic Design (346)

Prerequisites:	Art I	Grades:	10-12
Credit:	.5	Cost:	Class Fee (for materials)
Length:	1 semester		

Students will be exposed to a commercially-oriented art class with an emphasis on the computer and digital media.

Digital Photography (347)

Prerequisites:	Art I	Grades:	10-12
Credit:	.5	Cost:	Class Fee (for materials)
Length:	1 semester		

Digital cameras, image manipulation and printing are the topics for this course. Photoshop will be the software used.

Global Arts (348)

Prerequisites:	1 st semester Art I	Grades:	9-12
Credit:	.5	Cost:	Class Fee (for materials)
Length:	1 semester		

Students explore such unique artistic mediums from around the world such as relief printmaking, fused glass, mosaic tile, batik, cyanotypes, monotypes and more!

Advanced Art/Independent Studies (350)

Prerequisites:	Art I and a minimum of (2) two additional art offerings with a B average or better.	Grades:	11-12
Credit:	.5	Cost:	Class Fee (for materials)
Length:	1 semester		

This course is for the serious art student focusing on portfolio development and strengthening specific art skills and methods. Students' accumulated artwork will be evaluated and/or enhanced for compilation in their personal portfolio. In addition, in-depth projects will be formed from related subjects offered in art, and grades will be an evaluation of projects completed according to a contractual agreement. This advanced course will be scheduled as an independent study during the school day and it may be taken simultaneously with offered art classes.

Mixed Chorus (311)

Prerequisite: None (Students moving into the district must have previous choral experience at their former school to join chorus mid-year.)

Credit: 1 Grades: 9-12

Length: 1-year Cost: Solo and ensemble fees for those participating

Mixed Chorus will offer the students participation in a variety of musical experiences. These may include singing classical, sacred, and contemporary literature. Maintain the line of one part within the framework of two-four part choral music, Develop good vocal technique with proper breath support, blend, balance, diction, and tone production, Identify musical terminology and concepts such as dynamics, tempo, phrasing, intonation, etc., Sing a variety of music of many styles, including classical, sacred, secular, popular, and contemporary, Encouraged to be involved in the Winter Musical as well as Solo and Ensemble Adjudicated Events, Perform for OMEA District and possibly State Adjudicated Events in the spring.

Take responsibility for being present and contributing to ALL classes, rehearsals, and performances.

Advanced Chorus (312)

Prerequisite: At least one year in Mixed Chorus or a comparable group from another district AND by audition. If student has not been in mixed chorus for a year, they may still audition to be in this group if they are in grades 10-12.

Credit: 1 Grades: 10-12

Length: 1-year Cost: Solo and ensemble fees for those participating

Advanced Chorus will offer the students participation in a variety of musical experiences. These may include singing classical, sacred, and contemporary literature. This course is an advanced continuation of Mixed Chorus for participation of junior and senior students. Students in this course will be held to higher standards of excellence and will be expected to take responsibility for the quality of their performances. Maintain the line of one part within the framework of four-twelve part choral music, Continue to develop vocal technique with proper breath support, blend, balance, diction, & tone production, Identify musical terminology and concepts such as dynamics, tempo, phrasing, intonation, etc., Sing a variety of music of many styles, including classical, sacred, secular, popular, and contemporary, Strongly encouraged to be involved in the Winter Musical as well as Solo and Ensemble Adjudicated Events, Perform for OMEA District and possibly State Adjudicated Events in the spring.

Take responsibility for being present and contributing to ALL classes, rehearsals, and performances.

High School Band (310)

Prerequisite: Middle School Concert Band or previous experience playing a band instrument preferred

Credit: 1 Grades: 9-12

Length: 1-year

Cost: band camp, uniform dry cleaning, shoes, shirt, gloves, instrumental repair

Liberty-Benton High School Bands offer all students an opportunity to creatively express him/her through the combined efforts of instrumental ensemble playing. This is a performance-oriented group, which serves a multi-faceted purpose: Publicly, it provides music for football games, basketball games, as well as being showcased in public/school concerts throughout the year. Socially, it serves as a group where students of like interests can join to share their talents, as an opportunity to foster leadership, musicianship, friendship, and team building. Most importantly, educationally, the band serves as a class to learn about music, develop excellent musical skills, as well as experience accomplishments that derive from competitive and non-competitive teamwork.

The following sub-groups comprise the Liberty-Benton High School Bands:

MARCHING BAND-Fall will: Performs at all football games, as well as several marching band competitions, It is required that ALL students involved in the Band Program are to participate in the MARCHING BAND in some capacity, It should be understood that there are additional after school rehearsals for the MARCHING BAND. All additional rehearsals are discussed with the coaches of athletic teams to avoid any conflicts with students who are involved in both.

CONCERT BAND-Winter and spring will: follow at the end of marching season, performing at several concerts as well as Large Group Adjudicated Events (as hosted by The Ohio Music Education Association), It is required that ALL students involved in the Band Program are to participate in CONCERT BAND.

GOALS OF THE CURRICULUM: To develop competent musicians, develop and foster an appreciation for music, To expose students to a wide variety of music and playing opportunities, To understand a wide musical vocabulary, Implementation of the Nine Standards set for the music by the Music Educators' National Conference.

It is to be understood that ALL rehearsals and performances are REQUIRED.

Music Theory & Appreciation (314)

Prerequisite(s): 1-year HS Band or Choir
Credit: 1
Length: 1-year

Co-Requisite: HS Band or Choir
Grades: 11, 12
Cost: Class Fee

This is an introduction to Music Theory through the learning of scale patterns, chords, melody, harmony, ear training, composition, and part writing. This course is also designed to introduce representative musical masterworks to high school students. Music Appreciation is a study of the materials of music, including basic elements, mediums, styles, and form is presented as an aid to understanding and enjoying music. The listening to and analysis of recordings is included. The topics studied will include basic music terms, musical time periods, the history of jazz, musicals, origins of today's pop music and discussing the aesthetic values of music.

BUSINESS, CAREER & TECHNOLOGY

Computer App. in the Workplace (500) CCP credit through Rhodes State College (715–CPT 1250). See page 21.

Prerequisite(s): None
Credit: .5

Grades: 9, 10, 11, 12

Length: 1 semester

Cost: Lab Fee

Students will learn an overview of Microsoft Office 365 and G Suite applications. Using Windows 10, students will learn to use Office and G Suite applications to work with word processing, presentation programs, spreadsheet programs, etc. Students will learn how to integrate the various Office and G Suite applications; practice improving their typing skills, explore the etiquette and differences between various digital communications as well as online etiquette and safety; learn the computer organization skills that will save time and improve their workflow; and navigate, organize, and upload content using a PC to the LMS Schoology.

Introduction to Business (510)

Prerequisite(s): None
Credit: 1
Length: 1 Year

Grades: 10, 11, 12
Cost: Lab Fee

This is a full-year course that introduces students to the world of business and sets a solid foundation for students. The learning aspects of the course covers organization, time management, improving reading for comprehension, note-taking skills, and more. The business units help students acquire sound values and acceptable attitudes regarding their personal lives and on-the-job success. Students will be engaged in computer-related activities, and current events while learning the following topics: today's economy, business ownership, career exploration, getting and keeping a job, how to be a wise consumer, managing money, understanding banking and credit, and types of insurance. The knowledge obtained in this class is practiced and reinforced throughout the course and is transferable to everyday life.

Introduction to Marketing (520)

Prerequisite(s): None
Credit: .5
Length: 1 Semester

Grades: 10, 11, 12
Cost: Lab Fee

This semester course is too open the student's eyes to the world of marketing that is all around and to become educated decision-makers. Students will study consumer behavior in order to understand and apply marketing, management, and entrepreneurial principles to make rational economic decisions and to exhibit social responsibility in a global economy. Marketing is a process that involves a variety of activities focused on customers and the profitable execution of those activities, including market segmentation, target marketing, market research, promotion, pricing, product/service management, distribution, and selling. Instructional activities include case studies, current event analysis, research and discussion, demonstrations, guided notes and guest speakers.

Sports and Entertainment Marketing (521)

Prerequisite(s):	Intro to Marketing		
Credit:	.5	Grades:	10, 11, 12
Length:	1 Semester	Cost:	Lab Fee

This course will serve as an extension of Intro to Marketing course. The class will focus on marketing and management functions/tasks that can be applied to all levels of sports and entertainment industries. The impact that sports and entertainment marketing have on the economy, tourism, local business, national brands, consumer behavior will be examined. There will be a focus on marketing management including, but not limited to: brand development, promotions, ticket sales, fan engagement, merchandising, events planning and community involvement. Throughout the course, students will gain an understanding of how sports and entertainment events and professionals are used to develop and sell merchandise and other services.

Accounting (530)

Prerequisite(s):	None		
Credit:	.5	Grades:	10, 11, 12
Length:	1 Semester	Cost:	Lab Fee

This course will provide students with the basic knowledge of accounting procedures, including debts and credits, analyzing and journalizing business transactions; constructing worksheets; calculating and recording adjusting entries; preparing financial statements; and finalizing the accounting cycle through closing entries. Special journals, subsidiary accounts and payroll reports and taxes will also be introduced. Emphasis is placed on service and merchandising businesses in a sole proprietorship or corporate setting. All students, regardless of the career they choose, will benefit from this class. This course is recommended for students who are interested in any business field.

Entrepreneurship (540)

Prerequisite(s):	None		
Credit:	.5	Grades:	10, 11, 12
Length:	1 Semester	Cost:	Lab Fee

The semester course is designed to introduce the world of small business ownership and management. This course builds students' skills in the knowledge of types of business ownership, legal issues, business finance/start-up costs, business trends, site selection, marketing, pricing strategies and the development of a business plan on the students' product/service of choice. The class will develop and/or operate a class business in which they will realistically perform duties in areas such as product planning, financing, human resources, marketing/advertising, selling, and management of product(s). This hands-on course involved students in a variety of activities that will provide them with the skills necessary to be successful in a constantly changing workplace.

Robotics I (550)

Prerequisite:	None		
Credit:	.5	Grades:	10, 11, 12
Length:	1 semester	Cost:	None

This is a beginning course in robotics. We use VEX V5 robot kits & basic block language. The objective of this course is to introduce students to basic programming & problem-solving strategies by building & programming robots to complete a variety of projects and challenges. This course will involve students in the development, building & programming of a basic robot. Students will work in teams to design, build, program and document their progress. The course covers a variety of robot behavior that includes, but is not limited to: how to collaborate in groups and teams, how to design/build robots for specific activities and scenarios, & how to use supported programming software to control the robot. Students will also learn about gears, pulleys, torque, friction, timing, sensors, & program loops.

Robotics II (551)

Prerequisite:	Intro to Robotics C- or higher		
Credit:	.5	Grades:	10, 11, 12
Length:	1 semester	Cost:	None

This is an advanced course in robotics that uses the same robot as in Robotics 1, but uses text-based programming code similar to C++ and a variety of input devices, such as line trackers, vision sensors, and rangefinders. This is a project-based course. The course covers a variety of robot behavior that includes, but is not limited to: how to collaborate in groups and teams, how to design/build robots for specific activities and scenarios using a variety of input sensors, and how to use supported programming software to control the robot. Students will also learn about gears, pulleys, torque, friction, timing, sensors, and program loops, and logic statements.

Computer Assisted Drafting I (570) CCP credit through Rhodes State College (717 – MET 1000). See page 21.

Prerequisite(s): None
Credit: .5
Length: 1 semester
Grades: 11, 12
Cost: Lab Fee

This course will briefly explore basic board drawing techniques followed with an introduction to the fundamentals of drawing with AutoCAD software. Students will learn to setup drawings, use on screen tools to draw, reshape and manipulate objects in both two dimensional and three-dimensional worlds. Students will learn how to modify objects using both mouse and keyboard. A broad coverage of blueprints, symbols, views and dimensioning standards are just a few areas that will be explored through CAD applications. Students will reproduce drawings using peripherals such as plotters and printers. If you are interested in any type of design or engineering field, or graphics manipulation, this course is a must for your college prep electives.

Basic Manufacturing (571) CCP credit through Rhodes State College (716 – IMT 1020). See page 21.

Prerequisite: None
Credit: .5
Length: 1 semester
Grade: 12
Cost: None

This course is perfect for students who want to explore career options available directly after high school graduation or will help prepare students heading to college in a manufacturing-related field by giving them valuable industry insight and potential advancement opportunities. Emphasis on refining valuable job skills such as teamwork, communication techniques, efficiency, and dependability, students receive an overview of the manufacturing industry, learn basic workplace safety requirements, are exposed to integrated systems concepts, and review math and measuring skills required by many employers. Class will include group work, self-study, lecture, and hands-on learning experiences. Students will also have the opportunity to visit area manufacturing facilities and interact with their staff to learn about different techniques required to produce goods and services in today's world as well as attend local career fairs. Working with the Career Network Coordinator, internship and job shadowing opportunities can be secured based on individual interest and availability beginning the following semester. Upon successful course completion, students will have an application-ready resume, a basic manufacturing credential issued by the West Central Ohio Manufacturing Consortium, an Integrated Systems Certification, and an opportunity to earn a National Career Readiness Certificate. Students who meet admission requirements can earn two credit hours through Rhodes State College's IMT 1020. Students can also earn the OhioMeansJobs-Readiness Seal which formally designates that a student has the personal strengths, strong work ethic and professional experience that are required by today's employers.

Work-Based Learning (580)

Prerequisite: Junior or Senior Status and Principal/ Counselor Permission
Credit: 1 for class. Max of 2 for work
Length: 1 Year
Grades: 12 (11 on case by case basis)
Cost: None

Work-based learning experiences are conducted at a work site during or after school. Work-based learning is designed to provide authentic learning experiences for students that link academic, technical and professional skills. Students will have a one period class including activities finding and maintaining employment, money management, understanding taxes, banking, job safety, vocabulary study, buying a used vehicle, and healthy living. Students who have met their academic requirements for graduation may be released from school, providing their own transportation, to go to a work site where they will gain valuable work or internship experience. Through this experience, students will build the knowledge, skills and self-confidence to be successful in higher education, in the workplace and in life. Students must maintain regular attendance and passing grades in academic classes or lose their afternoon work privileges. Business and education partners work together to evaluate and supervise the experiences. Students can earn up to two credits per academic year through Work Study/Internship. 120 hours are needed per credit. This program is not offered during the summer. Only hours completed during the academic year will count for credit.

FAMILY & CONSUMER SCIENCE

Foods I (411)

Prerequisite(s): None
Credit: .5
Length: 1 semester
Grade: 9, 10, 11, 12
Cost: Lab Fee

This semester course will provide you with the basic cooking and baking skills needed to prepare a variety of foods to not only survive, but succeed in the kitchen. You'll learn the basics of kitchen safety and sanitation, about kitchen equipment and food prep, how to read recipes and measure ingredients, and how to slice and dice food. You will compare convenience and made-from-scratch foods, and elevate common store-bought ingredients, while preparing popular and new sandwiches, soups and salads and other fun and tasty foods. It is recommended that students cook at home 8-10 times during the semester.

Foods II (412)

Prerequisite(s): Foods I
Credit: .5
Length: 1 semester
Grade: 9, 10, 11, 12
Cost: Lab Fee

Building on skills developed in Foods I, this semester courses focuses on more advanced cooking and baking skills, so you can tackle more difficult recipes. Experiment with ingredients from the different food groups including fruits, vegetables, grains, eggs and dairy. Learn to plan, prepare and present quick and nutritious meals using the microwave, stovetop, and conventional oven, while developing teamwork, time management and problem-solving skills. It is recommended that students cook at home 8-10 times during the semester.

Global Gourmet (413)

Prerequisite: Foods I
Credit: .5
Length: 1 semester
Grades: 9, 10, 11, 12
Cost: Lab Fee

This semester course will take you around the world in 90 days as you explore the cuisines and cultures of North American, Europe and Asia. Increase cultural awareness and appreciation of diversity, investigate the origin of the foods that make the United States a melting pot. Experience aromas and flavors, while developing more advanced cooking and baking skills using international and ethnic ingredients and cooking methods to prepare and taste foods from around the world. It is recommended that students cook at home 8-10 times during the semester.

Foods for Life (414)

Prerequisites: Foods I
Credit: .5
Length: 1 Semester
Grades: 9, 10, 11, 12
Cost: Lab Fee

Foods that look good, taste good and are good for you is the focus of this semester course. You will have the opportunity to look at your personal eating habits and gain a greater understanding of how your food choices impact your health for a lifetime. Emphasis will be on choosing and preparing foods with an understanding of the nutrients and their benefits, portion control and the USDA dietary guidelines. You will learn more advanced cooking and baking skills as you prepare new and exciting recipes, make-over some traditional favorites, and expand your eating choices. It is recommended that students cook at home 8-10 times during the semester.

Baking and Pastry Foundations (416)

Prerequisite: Foods II
Credit: .5
Length: 1 semester
Grade: 10, 11, 12
Cost: Lab Fee for food labs

In this semester course, you will build on the basic baking skills learned in Foods I and II, as you explore the science and art of baking. You will learn the function of various ingredients and more advanced baking principles including methods of mixing and shaping batters and doughs. You will gain hands-on experience creating a variety of baked goods including quick breads, cakes, cookies, pies, pastries and other desserts. It is recommended that students cook at home 8-10 times during the semester.

Meals in Minutes (420)

Prerequisite: Foods II
Credit: .5
Length: 1 semester
Grade: 10, 11, 12
Cost: Lab Fee

Cooking healthy meals at home doesn't have to be a time-consuming chore. This semester class will focus on making quick, easy and nutritious meals—preparing recipes that take 15-30 minutes to make. Learn about once a month cooking, using leftovers, elevating convenience foods with fresh ingredients and using today's time saving appliances. Develop skills in meal and menu planning and budgeting. It is recommended that students cook at home 8-10 times during the semester.

Exploring Fashion Design (417)

Prerequisite: None
Credit: .5
Length: 1 semester
Grade: 9, 10, 11, 12
Cost: Lab Fee

This semester course will introduce students to the world of fashion by exploring color theory, periods in fashion history, influential fashion designers, fun fads and current fashion trends. Discover personal fashion styles and design outfits. Learn how to plan a wardrobe, purchase and care for clothes. This course will encourage experimenting with fashion illustrations, hand sewing, and creative fashion design challenges and hands-on projects. (No technical drawing, CAD or sewing machine use is included. This course will be offered every other year during school years ending in an even number.

Intro to Interior Design (418)

Prerequisite:	None	Grade:	9, 10, 11, 12
Credit:	.5	Cost:	Lab Fee
Length:	1 semester		

This semester course will provide opportunities to experiment with elements and principles of design to create and decorate a room that reflects student's unique interior design style. Explore interior design styles and historical period furnishings. Create floor plans and arrange furniture with basic design tools and easy to use software. Learn how to purchase and maintain a home, select quality furnishings and attractive wall and window treatments. Experiment with color schemes and decorating themes; hand sewing, and express creativity through interior design challenges and hands-on projects. (No technical drawing, CAD or sewing machine use is included. This course will be offered every other year during school years ending in an odd number.

Child Development (419)

Prerequisite:	None	Grade:	11, 12
Credit:	.5	Cost:	Lab Fee
Length:	1 semester		

Studying children and child development is important if parenthood may be in your future. The focus of this semester course is on meeting children's physical, social, emotional and intellectual needs. Topics will include the roles and responsibilities of parenting; discipline techniques, choosing food and toys for children; and nurturing and guiding a child from birth through preschool. This class will help you explore the joys and challenges of parenting.

FOREIGN LANGUAGE

American Sign Language I (196) CCP credit through Rhodes State College (705 – ASL 1010). See page 21.

Prerequisite(s):	None	Grade:	9, 10, 11, 12
Credit:	1	Cost:	None
Length:	1-year		

American Sign Language I is the natural language used by deaf individuals and the Deaf community. This is an overview of American Sign Language (ASL), its basic vocabulary, structure, syntax, and grammar. Students will focus on mastering the basics of fingerspelling, numbers, colors, facial grammar, and sentence structure; students will also learn conversational/cultural behaviors necessary to hold a beginning-level conversation in ASL, with Deaf/hard-of-hearing native users of the language. Introductory information about deaf culture will also be presented, along with deaf humor, to provide students with a broad picture of language and culture. American Sign Language I is offered through Interactive Video Distance Learning, and will also incorporate the use of Schoology (online support). Due to the visual nature of the language of ASL, students will be required to provide and upload a recorded video of sign language assignments as part of the course interaction. We strive for teaching the 2nd language through native, real-world practices and experiences; most class periods spend a target of 90% or more of the instructional time in the target language.

American Sign Language II (197) CCP credit through Rhodes State College (706 – ASL 1020). See page 21.

Prerequisite(s):	ASL I	Grade:	10,11, 12
Credit:	1	Cost:	None
Length:	1-year		

American Sign Language II is a continuation of American Sign Language I, the natural language used by Deaf individuals and the Deaf community. Students will deepen their understanding of the grammatical structure of ASL as well as improve both their receptive and expressive signing skills. The students will learn additional number concepts, such as time, money, fractions, and ordinal numbers, personal and possessive pronouns, giving and receiving directions, making requests, action words, and common phrases and sentences used in everyday situations. A continuation of Deaf culture and its history will be covered. American Sign Language I is offered through Interactive Video Distance Learning, and will also incorporate the use of Schoology (online support). Due to the visual nature of the language of ASL, students will be required to provide and upload a recorded video of sign language assignments as part of the course interaction. We strive for teaching the 2nd language through native, real-world practices and experiences; most class periods spend a target of 90% or more of the instructional time in the target language.

American Sign Language III (198) CCP credit through Rhodes State College (707 – ASL 2010). See page 21.

Prerequisite(s):	ASL II		
Credit:	1	Grade:	11, 12
Length:	1-year	Cost:	None

American Sign Language III is an intermediate level of ASL, with the continued development of receptive and expressive skills in American Sign Language and ASL grammar, using a bilingual-bi-cultural approach. Interaction with Deaf organizations, with an emphasis on greater exploration of American Sign Language sentence structure. Proficiency in an immersion setting, through the use of both planned and impromptu in-class conversations. A strong measure of proficiency in the target language is to be able to explain and expand on a topic through further details; such as describing the aspects of your home and community, for instance. Our main focus will be communication, ASL structure, storytelling, and literature. American Sign Language I is offered through Interactive Video Distance Learning, and will also incorporate the use of Schoology (online support). Due to the visual nature of the language of ASL, students will be required to provide and upload a recorded video of sign language assignments as part of the course interaction.

Spanish I (185)

Prerequisite:	“C” (or better) in English or permission of instructor		
Credit:	1	Grade:	9, 10, 11, 12
Length:	1-year	Cost:	None

Spanish I will emphasize understanding the spoken and written language. It will also include learning about the people and customs of Spanish-speaking countries. Students will: Show ability to pronounce and use every day Spanish, especially sounds unique to the Spanish language, Understand and use every day Spanish vocabulary and expressions. (Days, greetings, telling time, weather), Demonstrate knowledge of Spanish culture and geography of Spanish-speaking countries, Use the target language in oral presentations, simple conversations, and simple compositions, be able to understand aspects of sentence structure and simple grammar structure, Student will be able to read and write paragraphs, dialogues, or letters relatively error free, Understand Spanish spoken by the teacher appropriate for their level.

Spanish II (186) CCP credit through Rhodes State College (710 – SPAN 1010). See page 21.

Prerequisite:	Spanish I		
Credit:	1	Grade:	9, 10, 11, 12
Length:	1-year	Cost:	Project Supplies

Spanish II will expand on vocabulary and ideas learned in Spanish I. More emphasis will be given to grammar, reading, listening, writing, and speaking skills. Students will: Be able to reproduce all sounds of the Spanish language, continue to learn more about Spanish culture and geography, Use Spanish in oral presentations, conversations, and partner practice, expand in oral and written grammatical skills, further their everyday Spanish vocabulary and include common idioms and expressions, Understand Spanish spoken by the teacher appropriate for their level.

Spanish III (187) CCP credit through Rhodes State College (711 – SPAN 10200). See page 21.

Prerequisite(s):	Spanish II		
Credit:	1	Grade:	10, 11, 12
Length:	1-year	Cost:	Project Supplies

Spanish III class is conducted primarily in Spanish in which students are expected to participate Students will focus on communication, while expanding their knowledge of the language and culture. Students will: Be expected to demonstrate and understand an advanced use of the vocabulary, including specialized vocabulary, Demonstrate the ability to correctly recognize and use Spanish grammar, Carry on conversations and participate in impromptu discussions in Spanish, Be able to write short compositions and dialogues that are relatively error free, Continue to develop listening and reading skills, Create written and oral projects in Spanish, Understand Spanish spoken by the teacher appropriate for their level.

Spanish IV (188) CCP credit through Rhodes State College (712 – SPAN 2010). See page 21.

Prerequisite(s):	Spanish III		
Credit:	1	Grade:	11, 12
Length:	1-year	Cost:	None

Spanish 4 will develop your Spanish proficiency as you continue to become acquainted with the diverse Hispanic cultures. The course reviews some of the material presented in earlier levels and introduces additional vocabulary, phrases and grammar structures with emphasis on authentic communication in meaningful cultural contexts. The goal is to improve your listening and speaking skills and develop reading and writing skills so that you can perform in a Spanish-speaking environment. You will continue learning elements of Hispanic cultures directly in Spanish and become increasingly aware of the differences between your own culture and those in Hispanic countries. Learning vocabulary and grammar is not the end goal of this course; it is a means to develop your abilities to communicate. You will not only receive explicit instruction on learning strategies for the development of interpretive, interpersonal presentational communication skills, but also on problem-solving strategies oriented toward more effective communication with Spanish speakers. The in-class setting will be highly interactive, taught only in Spanish, with emphasis on student-centered activities, often involving work in pairs or small groups. It is extremely important that you come well prepared to class.

LANGUAGE ARTS

English 9 (200)

Prerequisite(s):	None	Grades:	9
Credit:	1	Cost:	Novel Fee
Length:	1-year		

English 9 incorporates a development of grammar, composition, and literature, as well as a study of vocabulary. Students will: Read, discuss and evaluate the short story, nonfiction, poetry, drama, and the novel, Further their understanding of library skills and MLA citations by researching for a persuasive and environmental/social/political paper, Broaden their knowledge of vocabulary words and expand their word choice, Develop recognition of parts of speech and common errors in convention, Develop composition skills in subject/verb agreement, sentence structure, capitalization, punctuation, organization and support, using examples, opinion and fact.

English 10 (202)

Prerequisite(s):	English 9	Grades:	10
Credit:	1	Cost:	Novel Fee
Length:	1-year		

English 10 concentrates on fiction and non-fiction texts, speaking and listening, viewing and visually representing, and composition. Student will analyze novels, historical documents, short stories, poetry, speeches, and themes across different media and texts. They will demonstrate their analytical ability through writing, projects (individual and group), presentations, speeches, and classroom discussion Compositions will focus on college style writing exploring narrative, informative, and persuasive essays as well as literary analysis while adhering to proper formatting guidelines and including in-text citations and Works Cited pages when applicable. Students will continue to develop vocabulary and word usage skills as well as demonstrate appropriate use of the English language in spoken and written format.

English 11 (204)

Prerequisite(s):	English 9 & 10	Grades:	11
Credit:	1	Cost:	Novel Fee
Length:	1-year		

English 11 explores the history and continuity of American literature and emphasizes the development of writing skills and vocabulary. The students will complete a term paper in the spring, along with a variety of reading assignments and written essays. Students will study the origin and development of American literature and major literary movements. Students will write paragraphs, essays, and reports on a variety of topics to demonstrate analytical and critical abilities. Students will continue to develop vocabulary and word usage skills. Students will study the characteristics and importance of style in both reading and writing.

English 12 (206)

Prerequisite(s):	English 9, 10, & 11	Grades:	12
Credit:	1	Cost:	Novel Fee
Length:	1-year		

English 12 encompasses a sampling of the British literature curriculum from the Anglo-Saxons through the 21st century, while incorporating informative texts from present day issues. There will be a variety of genres used to achieve this: short stories, poems, novels, plays, and articles. There will be essays assigned that are personal, persuasive, informative, and narrative. College admittance essays and scholarship essays will also be addressed. At various times throughout the course there will be projects assigned, both individual and group, and speaking and listening skills will be assessed. Most of the class is paperless, so students will be expected to use technology to access handouts, articles, books and Google Drive.

English Composition (730) Only offered for CCP through Rhodes State College COM 1110. See page 21.

Prerequisite(s):	CCP requires a 18 ACT English, 22 ACT Reading or 250 Next Gen Reading Accuplacer score.		
Credit:	1	Grades:	12
Length:	1 semester	Cost:	None

This is a workshop class that provides practice in organization and effective expression of ideas through writing. The variety of writing includes narratives, abstracts, technical, persuasive, and creative writings. MLA8 citations will be used and an extensive persuasive essay is a culminating project of the class. Revision and peer feedback are used throughout the class. Most of the class is paperless, so students will be expected to use technology to edit, share, and access handouts and articles.

Technical Writing (731) Only offered for CCP through Rhodes State College COM 1140. See page 21.

Prerequisite(s):	CCP requires C or better in English Composition (COM 1110)		
Credit:	1	Grades:	12
Length:	1 semester	Cost:	None

Extensive application of the principles of good writing in industrial and academic reporting, with emphasis on the techniques of presenting information graphically as well as in clear, concise, written form.

Comp. & Literature (732) Only offered for CCP through Rhodes State College COM 2400. See page 21.

Prerequisite(s): CCP requires C or better in English Composition (COM 1110)
Credit: 1 Grades: 12
Length: 1 semester Cost: Novel Fee

This is a workshop class that builds on the writing foundational skills introduced in English Composition. Using literature as the course content, students focus upon essay writing in multiple genres. This course aims to develop the student's ability to communicate ideas about literature effectively by using the principles of the writing process. Most of the class is paperless, so students will be expected to use technology to access handouts, articles, books, and Google Drive.

Public Speaking (209) CCP credit through Rhodes State College (733 – COM 2100). See page 21.

Prerequisite(s): English 9, & 10
Credit: 1 Grades: 11, 12
Length: 1 semester Cost: None

Public Speaking covers the main types of speeches: informative, demonstrative, impromptu, and persuasive. Students will write their own speeches, present them to the class, and have a visual for each speech. There will also be a partner persuasive speech, and students will be expected to create a PowerPoint presentation for this. Peer evaluation is also used to help improve speaking skills.

World Mythology (222)

Prerequisite(s): None
Credit: .5 Grades: 11, 12
Length: 1 semester Cost: Novel Fee

In World Mythology, students will explore myths, stories, and the hero's journeys from all around the globe through movies, literature, essays, and individual projects. Joseph Campbell's studies of The Hero's Journey as discussed in *The Power of Myth* will be utilized as a basis for comparison throughout the semester. *Students who enjoy reading, working independently, and developing cultural awareness would enjoy this new humanities class.*

Reading Survey (221)

Prerequisite(s): None
Credit: .5 Grades: 9, 10, 11, 12
Length: 1 semester Cost: Novel Fee

Reading Survey is designed to strengthen students' critical reading and thinking skills, improve their academic literacy, and expand their literary foundation. Through a framework of meaningful content, on-going assessment, and focused, explicit instruction, students will evaluate literature of diverse formats (e.g. print media, web-based texts, literary and informational books, articles and speeches) and varied genres (including autobiography, mystery, fantasy, sci-fi, and nonfiction to name a few). Additionally, students will demonstrate competencies through purposeful applications based on individual and collective literacy goals. Students who enroll in this course should expect regular reading assignments and be prepared to engage in meaningful discussion on a daily basis.

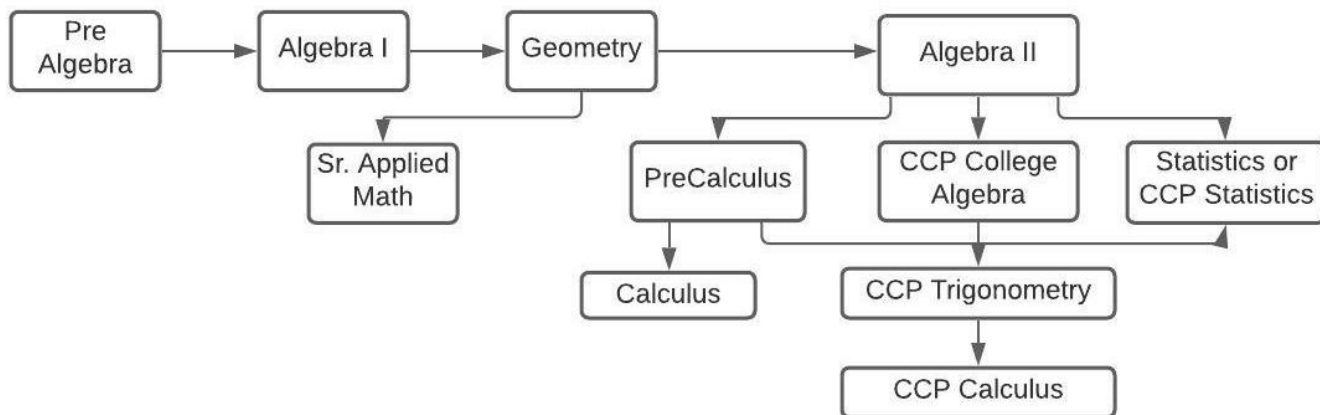
Yearbook I, II, III, and IV (360, 361, 362, 263)

Prerequisite: Application
Credit: 1 Grades: 9, 10, 11, 12
Length: Full Year Cost: None

This course will be in charge of producing the high school annual. Basic concepts of running a business will be covered. Topics such as raising money through ad campaigns and patrons, cutting costs to maintain a positive balance, meeting your customer's needs and wants, and seeing a project from start to completion will be taught. When a student leaves this class, they will have experience in completing short and long-term goals and working as a team. They will also have samples of their work to show college recruiters and business professionals. The class is primarily project oriented, giving students a hands-on approach to learning. Evaluations will be based primarily on deadline completions and class contributions.

MATHEMATICS

Liberty-Benton Mathematics Sequence



Pre-Algebra (102) This is not a college prep course or NCAA core course.

Prerequisite(s): None

Credit: 1

Length: 1 Year

Grades: 9

Cost: None

Pre-Algebra is the first class of the minimum-graduation requirement mathematics sequence. This course will differ from the Pre-Algebra course offered in the middle school in that it will expand on all the basic Algebra principles. This course will directly relate to the Algebra standards required on the Ohio Graduation test. This is NOT a college prep course. Topics covered will include: Mathematical operations involving integers, whole numbers, real numbers, rational numbers, and irrational numbers, Mathematical operations involving fractions, decimals, and exponents, Expressions and operations involving scientific notation, Collecting and organizing data, representing data with tables and graphs, solving equations and equalities, Evaluating functions and graphs, Polynomials.

Algebra I (103)

Prerequisite(s): Pre-Algebra

Length: 1-year

Cost:

Students are encouraged to have a TI-83, TI 83 Plus, TI-84 or TI-84 Plus graphing calculator

Credit: 1

Grades: 9, 10

Algebra I is the first of the 'core' college-preparatory math courses, but is not restricted to those who intend to go to college. Topics from Pre-Algebra are reviewed, included arithmetic of signed numbers and solving simple linear equations. Also taught are factoring, solving linear inequalities and quadratic equations of 1 variable, and solving equations and simplifying expressions that involves algebraic fractions. Students will gain experience in setting up and solving systems of equations. The concept of a function is introduced and developed, and students are taught to evaluate and graph linear and quadratic functions.

Geometry (104)

Prerequisite(s): Algebra I

Length: 1-year

Cost:

Students need to have a TI-83, TI 83 Plus, TI-84 or TI-84 Plus graphing calculator as well as a compass and straight edge

Credit: 1

Grades: 9-11

Geometry is a core college-preparatory course open to students who have earned credit for Algebra I. Relationships of points, lines, planes, angles, circles, and polygons are taught and students are shown how to prove statements using various methods. Compass and straight edge constructions are done with emphasis on why they work. Area and volume of common geometric solids and figures are studied, as are topics of graph theory.

Algebra II (105)

Prerequisite(s): Geometry

Length: 1-year

Cost:

Each student needs a TI-83, TI 83 Plus, TI-84 or TI-84 Plus graphing calculator

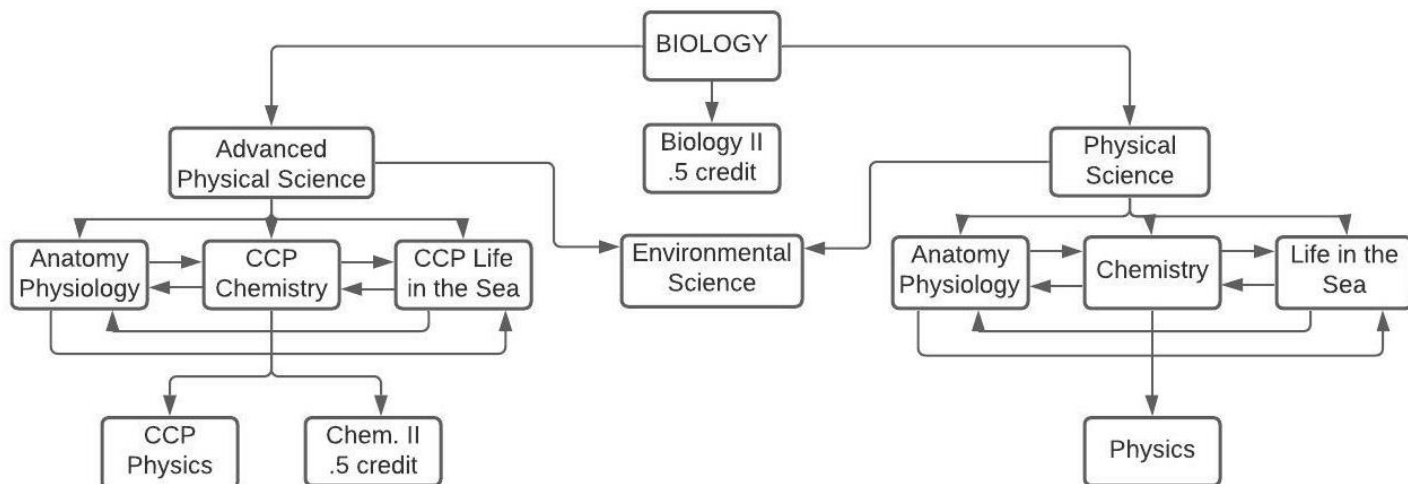
Credit: 1

Grades: 10-12

Algebra II is one of the core college preparatory math courses, but students who do not intend to go to college may enroll in the course. Topics from Algebra I are reviewed and extended. Arithmetic of polynomial and algebraic fractions, including factoring techniques, simplifications of radicals, and solving equations and in inequalities are taught. Students learn about negative and rational exponents, learn how to use the quadratic formula, and gain a better understanding of functions. They broaden their understanding of coordinate geometry, especially the equations of conic sections (circles, parabolas, ellipses, and hyperbolas). Topics also covered are complex numbers, trigonometry, matrices, exponential and logarithmic functions, probability, and statistics. Throughout the course there are many opportunities to solve real world problems.

SCIENCE

Liberty-Benton Science Sequence



Biology (151)

Prerequisite(s): None
 Credit: 1
 Length: 1-year

Grades: 9
 Cost: Lab Fee

Biology is the study of all forms of life. In depth emphasis will be placed on the following areas: Properties and processes necessary for life. This includes the study of the cell, DNA, principles of heredity, and the history and evolution of life as it pertains to biological sciences, the diversity and interdependence of all life including various ecosystems and the interaction of living and non-living things, Historical perspectives, scientific approaches, and emerging scientific issues associated with the life sciences.

Physical Science (152)

Prerequisite(s): Successful completion of Biology
 Credit: 1
 Length: 1-year

Grades: 10
 Cost: Lab Fee

This course introduces the general physical and chemical factors that will prepare students to be successful in subsequent science courses. An inquiry-based approach will be used to emphasize the following area: Graphical Analysis and Measurements, Significant Digits, Dimension Analysis, Energy, Constant Velocity, and Density.

Advanced Physical Science (153)

Prerequisite(s): Successful completion of Biology
 Credit: 1
 Length: 1-year

Grades: 10
 Cost: Lab Fee

This course introduces advanced physical and chemical factors that will prepare students to be successful in the CCP Chemistry and Physics classes. An inquiry-based approach will be used to emphasize the following areas: Graphical Analysis and Measurements, Significant Digits, Dimension Analysis, Constant Velocity, Density, Atomic Structure, Nuclear Chemistry and the Periodic Table.

Chemistry (154)

Prerequisite(s): Recommended: Algebra II and Physical Science with a minimum grade of a "C"
 Credit: 1
 Length: 1-year

Grades: 11, 12
 Cost: Lab Fee

Students will explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Chemistry is a laboratory-based class which encourages small group learning and will utilize both computer-based and traditional laboratory techniques to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include but are not limited to: measurement, dimensional analysis, physical properties of matter, atomic structure, electron configuration, periodic properties, chemical bonding, chemical reactions, the mole & stoichiometry, gases, acids & bases. The main goal of this course is to provide a solid foundation in the study of matter and its changes. All students will develop methods of problems solving and proper laboratory technique.

CCP Chemistry (155) Only offered CCP through Rhodes State College (725 – CHM 1110). See page 21.

Prerequisite(s): Algebra II with a minimum grade of a “C” and Advanced Physical Science with a minimum grade of a “B”. CCP requires 19 ACT math or 263 AAF Accuplacer score.

Credit:	1	Grades:	11, 12
Length:	1-year	Cost:	Lab Fee

Students will explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Chemistry is a laboratory-based class which encourages small group learning and will utilize both computer-based and traditional laboratory techniques to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include but are not limited to: measurement, dimensional analysis, physical properties of matter, atomic structure, electron configuration, periodic properties, chemical bonding, chemical reactions, the mole, stoichiometry, gases and acids and bases. The main goal of this course is to provide a solid foundation in the study of matter and its changes. All students will develop methods of problems solving and proper laboratory technique. Students who take this class will be eligible to take Chemistry 1110 for College Credit Plus through Rhodes State College. This course will move at a faster pace and include additional topics than College Prep Chemistry and will require time spent outside of class to complete assignments, projects and study for exams.

Chemistry II (160)

Prerequisite(s): Recommended: Advanced Chemistry with a minimum grade of a “B”

Credit:	.5	Grades:	12
Length:	1 Semester	Cost:	Lab Fee

Students will pick up where they left off in Advanced Chemistry. Advanced chemistry topics will be reviewed and expanded upon. New topics include but are not limited to: intermolecular forces, thermal chemistry, oxidation/reduction, equilibrium and nuclear chemistry. Student will also perform qualitative analysis.

Biology II (161)

Prerequisite(s): Passing Biology with a minimum grade of a “B”

Credit:	.5	Grades:	11, 12
Length:	1 Semester	Cost:	Lab Fee

This semester long course discusses the branch of biology that deals with animals and animal life, including the study of the structure, physiology, development, taxonomy, and classification of animals. Some of the topics discussed include the classification of animals; invertebrates, including sponges, flatworms, mollusks, insects, arthropods, and echinoderms; and vertebrates, including fishes, amphibians, reptiles, birds, and mammals.

Required dissections of representative animals will help us learn about different anatomies. We will discover the relationships between different taxonomic categories of animals and the impact of different animals on people and each other. Evolutionary relationships will also be traced.

Environmental Science (158) – This is not a college prep course or NCAA core course.

Prerequisites:	Biology		
Credit:	1	Grades:	11, 12
Length:	1-year	Cost:	Lab Fee

Environmental Science is an introductory course designed to apply basic geology, chemistry, and biology to understanding the environmental impacts of human activities. Topics covered include water resources, conservation and pollution; soils and geological processes; energy resources and conservation; atmospheric processes and air pollution; solid and hazardous waste management; population dynamics; and biodiversity. The political, economic, social, and moral aspects of resource use and environmental impacts are also explored. This is a lab course and will expose students to a variety of lab and field techniques.

Physics (156) CCP credit through Rhodes State College (726 – PHY 1120). See page 21.

Prerequisite(s): Chemistry with a minimum grade of “C”; Algebra II with a minimum of a “C”.

Credit:	1	Grade:	12
Length:	1-year	Cost:	Lab Fee

This course of physics is designed to introduce physics to students with a wide range of backgrounds and abilities. The class will show students how physics relates to their lives and the world around them. There is emphasis on mechanics, specifically motion and the forces that cause the motion. We also cover a variety of other topics including: momentum, energy, work, power, waves, fluids, and thermodynamics. The course uses the modeling format of learning which is a hands-on approach. Students develop a thorough understanding of the key concepts and how to apply them to real life situations. Key methods of learning include: interpretation and analysis of data, graphical analysis, vector analysis, and development of the mathematical model. The class emphasizes a deeper, qualitative understanding of the key concepts. Projects during the year include building a trebuchet and several practicals. The trebuchet involves some work at home, with time in class to perfect and problem-solve.

Anatomy and Physiology (157)

Prerequisite(s): Biology with a minimum grade of “C”.

Credit:	1	Grades:	11, 12
Length:	1-year	Cost:	Lab Fee

This course will focus on the study of human anatomy, identification and naming of body structures, and a study of human physiology-functions of body structures as well as the interrelatedness of body structure and function. The course will include lecture, discussion and laboratory sessions.

Emphasis will be placed on the following:

1. Studying the relationship of structure and function of the major organs systems of the human body.
2. Studying the effects of the diseases and disorders on the body structures.
3. Laboratory study including extensive dissections and related physiology experiments.

Life in the Sea (159) CCP credit through Bowling Green State University (600 – BIOL 1080). See page 21.

Prerequisite(s): Biology with a minimum grade of “C”

Credit:	1	Grades:	11, 12
Length:	1-year	Cost:	Lab Fee

Life in the Sea is a course that focuses on various aspects of our seas such as the geology of sea floors, the chemical and physical properties of ocean water, flora and fauna of the seas and the relations between humans and the sea. Emphasis will be placed on developing a respectful, caring attitude for the oceans and their inhabitants. The course is designed for those with strong interest in science. Students are expected to be mature, independent, use initiative and be self-motivated. A wide range of learning activities will be encountered-from dissections to projects to lectures and discussions.

SOCIAL SCIENCE

America and the World I (250)

Prerequisites: None

Credit:	1	Grade:	9
Length:	1-year (2 semester courses)	Cost:	None

These two courses are designed to provide a basic background in American History with reference to major developments in the world from 1877 to 1930. They will include a general overview of history during this time period, study of specific topics, analysis of historical events and study changes that have shaped our culture and nation’s history. Topics will include reconstruction, urbanization, and immigration, U.S. Imperialism, Spanish-American War, World War I and the Jazz Age. Student will be expected to complete regular classroom and homework assignments. This work will include reading, taking class notes, Google site and doc information, writing, and analytical thought. Evaluation will be based in a combination of test and quiz scores, homework, and occasional class work and projects.

America and the World II (251)

Prerequisites: Passage of America and the World I

Credit:	1	Grade:	10
Length:	1-year (2 semester courses)	Cost:	None

These two courses are designed to provide a basic background in American history with references to major developments in the world from 1930 to the present. They will include a general overview of history during this time period, study of changes that have shaped our culture and nation’s history. Topics will include the Great Depression, the New Deal, World War II, the Cold War, the Korean War, the Civil Rights Movement, the Counterculture Movements, the Cuban Missile Crisis, the Vietnam War, Watergate, the 1980s Conservative Era and the War on Terrorism. Students will be expected to complete regular classroom and homework assignments. This work will include reading, taking class notes, Google site and doc information, writing, and analytical thought. Evaluation will be based in a combination of test and quiz scores, homework, and occasional class work and projects.

United States Government (253)

Prerequisite: America and the World I and II

Credit:	.5	Grade:	12
Length:	1 semester	Cost:	None

United States government is a semester course intended to teach students about the basic functions of our government. A strong emphasis will be placed on applying principles learned in class to current issues. The primary objective of the class is to help students develop critical thinking skills as they become more actively aware of the government policies and practices that affect every aspect of life in the United States. This becomes increasingly important as the students realize that they either are, or soon will be 18 years old. Consequently, they become adults in the eyes of the law. **The best citizen is an informed one!!!!!!** At the conclusion of this course students will be able to: 1. acquire a solid understanding of the constitutional foundation of American democracy as well as the major forces and events, influences and ideas that shaped the evolution of American political system, 2. articulate course materials acquired through listening, reading, and internet and library researches, 3. articulate and analyze political issues from different political perspectives, and 4. analyze social institutions and human behavior using political frameworks.

Economics (254)

Prerequisite: United States Government (this is paired with US Government to meet graduation requirement)
Credit: .5 Grade: 12
Length: 1 semester Cost: None

The semester course will focus on the skills students will need in order to compete in a globalized economy. The course will begin with a look at the budget process with regards to spending and saving. An in-depth look at debt will include, but not be limited to the following: Credit Cards, Credit Score, Credit Report, and Loans. Students will also learn about the economic impact/need for insurance and the various forms it comes in. The course will also spend considerable time introducing the idea of investing and how it relates to retirement and income. Finally, students will analyze the various methods of taxation, including the process of filing an income tax return.

World History I (260)

Prerequisite(s): None
Credit: .5 Grades: 9, 10, 11, 12
Length: 1 semester Cost: None

This course is designed to provide education in World History. The first semester will emphasize ancient river civilizations through the rise of the classical civilizations. Topics will include: Stone Age development, the Rise of River Valley Civilizations, the Rise of World Religions – Judaism, Hinduism, Buddhism, Islam, and Christianity.

World History II (261)

Prerequisite(s): None
Credit: .5 Grades: 9, 10, 11, 12
Length: 1 semester Cost: None

The course will cover the Classical Civilizations of Ancient Greece and Rome through the advent of the Modern World. Topics will include: Classical civilizations: Ancient Greece and Rome, the Middle Ages, the Renaissance and Reformation, Age of Exploration. And the Age of Enlightenment.

Evaluation will be based on daily assignments, tests, quiz scores, projects, and special assignments.

World Affairs I and II (262, 263)

Prerequisite: None
Credit: .5 Grades: 9, 10, 11, 12
Length: 1 semester Cost: None

World Affairs is a study of current national and international issues. Through information gathered from various news sources, students will study what is happening in the world today. Emphasis will be placed on: Major problems facing the world community, Problems facing the United States, Major news-making events, Identifying important world leaders and their influence on contemporary world affairs, Human interest issues.

Students must have access to a newspaper and/or the Internet to complete weekly assignments. Class participation is required, as students must discuss news events each week.

Geography (264)

Prerequisite: Recommended: "B" on last Social Studies course
Credit: .5 Grades: 9, 10, 11, 12
Length: 1 semester Cost: None

This course is dedicated to a study of the world around us. The class starts with an introduction to geography, in which students will learn the five themes of geography, the features that define the earth, the climate patterns of the earth, how to study peoples and cultures of the earth and how to use various geographic tools. From there, students will use the skills they have learned to apply to the ten areas of the world we will be studying. In addition to using these skills to apply to the ten areas, the students will look at the physical features of those areas (land, climate, and types of vegetation). Each area will also be addressed in terms of its culture, which includes studies of population patterns, history and government, and cultures/lifestyles. The final area to be addressed to each of the ten areas is current news about the area. This includes current living conditions, current news events, and how people there are interacting with their environment.

Global Economies (265)

Prerequisite: Recommended: "B" on last Social Studies course
Credit: .5 Grades: 9, 10, 11, 12
Length: 1 semester Cost: None

This course explores the basic ideas that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More so, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. Because this is such a vast and broad amount of information, this course will be divided into two 9-week sections: economics and personal finance.

College Credit Plus Courses taught at Liberty-Benton High School

Students may apply to take the following courses for high school and college credit through the universities indicated. In order to receive college credit, students must apply to and be accepted by the university. The colleges have specific prior course grades and test scores required for individual courses. These courses will be taught by our LBHS staff or university professor during the regular scheduled school day.

Bowling Green State University

<u>LBHS</u>	<u>Bowling Green State University</u>	<u>College Credit</u>	<u>TAG / OTM</u>
Life in the Sea	BIOL1080- Life in the Sea	3 semester hours	OTM

Rhodes State College

<u>LBHS</u>	<u>Rhodes State College</u>	<u>College Credit</u>	<u>TAG / OTM</u>
American History to 1877	HIST 1610 – American History to 1877	3 semester hours	TAG / OTM
American History Since 1877	HIST 1620 – American History Since 1877	3 semester hours	TAG / OTM
American Sign Language I	ASL 1010 – American Sign Language I	4 semester hours	TAG
American Sign Language II	ASL 1020 – American Sign Language II	3 semester hours	TAG
American Sign Language III	ASL 2010 – American Sign Language III	3 semester hours	TAG
Spanish II	SPN 1010 – Beginning Spanish I	3 semester hours	TAG
Spanish III	SPN 1020 – Beginning Spanish II	3 semester hours	TAG
Spanish IV	SPN 2010 – Intermediate Spanish I	3 semester hours	TAG
Spanish V	SPN 2020 – Intermediate Spanish II	3 semester hours	TAG
Personal Computing	CPT 1250 – Computer Applications in Workplace	3 semester hours	OTM
Basic Manufacturing	IMT 1020 Manufacturing Concepts	2 semester hours	
C.A.D I	MET 1000 – Eng. Graphics w/AutoCAD	4 semester hours	OTM
Statistics	MTH 1260 – Statistics	3 semester hours	OTM
College Algebra	MTH 1370 – College Algebra	4 semester hours	OTM
Trigonometry	MTH 1430 – Trigonometry	3 semester hours	OTM
Calculus	MTH 1711 – Calculus	5 semester hours	OTM
Advanced Chemistry	CHM 1110 – Intro. To General Chemistry	4 semester hours	OTM
Physics	PHY 1120 – Physics I	4 semester hours	TAG / OTM
English Composition	COM 1110 – English Composition	3 semester hours	OTM
Technical Writing	COM 1140 – Technical Writing	3 semester hours	OTM
Composition & Literature	COM2400 – Composition & Literature	3 semester hours	OTM
Public Speaking	COM 2110 – Public Speaking	3 semester hours	OTM
Ag., Food & Nat. Resources	AGR 1000 – Introduction to Agriculture	3 semester hours	