

EAST KNOX HIGH SCHOOL

PROGRAM OF STUDY

2022-2023



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TABLE OF CONTENTS

I. General Information

Foreword

Graduation Requirements

Ohio State Testing

NCAA Athletic

Clearinghouse College

Credit Plus (CCP)

Honors Diploma (Academic and Career Center)

Registration Procedures

II. Course Descriptions

FOREWORD

The East Knox High School Guidance Office is available to answer questions and help students plan their schedules in order to meet graduation requirements. This Program of Study has been prepared to give the students and parents the information about courses and is to assist in the selection process. It is essential for students to select the right courses **and get passing grades** in order to meet graduation requirements.

Students and parents should first check the required classes needed for graduation below. Through guidance students will fill out a course request form, which parents should review with their student. School officials will develop the master schedule.

Necessary schedule changes will only be made during the first five days of each semester. Therefore, care should be taken when requesting classes. Any schedule change requests must be made through the guidance office. Changes due to enrollment numbers, class overload, availability, or facility limitations will be made by the administration.

GRADUATION REQUIREMENTS

<u>Curriculum</u>	<u>State and Local Credit</u>
English	4 credits
Math	4 credits (to include Algebra I, Algebra II, and Geometry)
Science	3 credits (must include Physical Science and Biology)
Social Studies	3 credits (must include World Studies, US Studies, Government, & Economics)
Health	½ credit
Physical Education	½ credit (two semesters)
Fine Arts (Art, Music)	1 credit
Electives	6 credits (additional credits in categories above count towards electives)
Total	22

NOTE – To receive a diploma the student must:

1. Pass 22 Credits, minimum, as outlined above.
2. Fulfill all requirements of state testing (see State Testing below).
3. Owe no fees or debts to the East Knox School District, including discipline.
4. Have 81 or fewer unexcused absence hours during senior year.

STATE TESTING

Students will be required to accumulate eighteen (18) total points by taking the American Institutes of Research (AIR) end of course exams in the areas of English (two tests), Algebra I, Geometry, US History, Government, and Biology. **Students must earn four (4) points each in the areas of both English and Math, a total of six (6) points from Science and Social Studies, and four (4) additional points from any of the tests in order to earn a diploma in the State of Ohio.**

NCAA REQUIREMENTS

If a student thinks he/she may have the opportunity to play Division I or II athletics at the college level, they must be registered with the NCAA and meet academic requirements. To register with the NCAA visit <http://www.ncaa.org/> Refer to the website to see if you will qualify.

A student athlete needs to be aware of these guidelines and should consider them throughout high school to ensure eligibility should he/she be given the opportunity to participate in Division I or II college level sports. Fundamental math courses (i.e. Algebra I Plus, Algebra II Plus, and Geometry Plus) are NOT accepted by the NCAA.

COLLEGE CREDIT PLUS

The College Credit Plus program (CCP) permits Ohio public and non-public high school students in grades 7 through 12 to earn college credit and/or high school graduation credit through the successful completion of college courses. The purpose of the program is to promote rigorous academic pursuits and to provide a variety of options to Jr./Sr. High School students. Students must have a minimum grade point average to qualify for enrollment at the College Credit Plus institution, successfully complete all testing requirements of the institution, and attend the mandatory CCP meeting each spring. The GPA requirements vary based on the college/university. Students must return the “Intent to Participate” form to the Guidance Office by April 1st and apply to the college of their choice prior to the application deadline set by the college.

East Knox may offer College Credit Plus classes at our facility during the school day in cooperation with Kenyon College. Students will earn both high school and college credit. Applications are available in the Guidance Office and should be returned to the Guidance Office by the teacher completing the recommendation portion of the application. Students must return the “Intent to Participate” form to the Guidance Office by April 1st and must meet eligibility requirements set forth by Kenyon College.

HONORS DIPLOMA (ACADEMIC)

The student who completes the college preparatory curriculum in high school must meet SIX of the following SEVEN criteria:

- Earn at least four units of mathematics which shall include Algebra I, Algebra II, Geometry and another higher level course, or a four-year sequence of courses which contains equivalent content.
- Earn at least four units of Science including two advanced Science courses with laboratory experiences.
- Earn four units of Social Studies.
- Earn three units of World Languages (must include no less than two units for which credit is sought). i.e., three units of one World Language or two units of different Languages.
- Earn one unit of Fine Arts.
- Maintain an overall high school grade point average of at least 3.5 on a four-point (unweighted) scale up to the last grading period of the senior year
- Obtain a composite score of 27 on the American College Testing Services ACT assessment (excluding the optional writing test) or a combined score of 1280 on the College Board's SAT verbal and mathematics sections (excluding the required writing section).

HONORS DIPLOMA (CAREER CENTER)

The student who completes an intensive career-technical education curriculum in high school must meet any NINE of the following TEN criteria.

- Earn at least four units of mathematics which shall include Algebra I, Algebra II, Geometry and another higher level course, or a four-year sequence of courses which contains equivalent content.
- Earn at least four units of science, including two advanced sciences with laboratory experiences.
- Earn four units of social studies.
- Earn four units in a career-technical education program that leads to an industry-recognized credential, results in an apprenticeship or is part of an articulated career pathway, which can lead to post secondary credit. If the student's program design does not provide for any of these outcomes, then the student must achieve the proficiency benchmark established for the applicable Ohio Career-Technical Competency Assessment or the equivalent.
- Achieve the proficiency benchmark established for the Ohio Career-Technical competency assessment (available at http://www.webxam.org/info_docs.asp.) or equivalent assessment aligned with state approved and industry validated technical standards.
- Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale (unweighted) up to the last grading period of the senior year
- Obtain a composite score of 27 on the American College Testing Service's ACT assessment (excluding the optional writing test) or a combined score of 1280 on the college board's SAT verbal and mathematics sections (excluding the score obtained on the required writing section), or a 6 or higher on Reading for Information and a 6 or higher on Applied Mathematics on the WorkKeys exams.
- Earn two units of one world language.
- Complete a field experience and document experience in a portfolio specific to the student's area of focus.
- Develop a comprehensive portfolio of work based on the student's field or a topic that is related to the student's area of focus.

REGISTRATION PROCEDURES

SCHEDULE REQUIREMENTS

1. A student may take only **ONE** study hall per semester. Students who wish drop their Study Hall and apply for teacher aide or office aide must complete an “Aide Application.” All student aides must be in good academic standing, on track for graduation, and earn no grade below a C- in all classes during the preceding quarter. Grades will be checked quarterly and any student who fails to meet the grade requirement will be placed back into study hall to focus on improving their grades.
2. Courses should be carefully considered. Only during the first five days of the beginning of school and the beginning of the second semester will changes be considered.
3. Class standing is based on the number of credits earned as follows:

Freshman	0 – 5.50 Credits
Sophomore	5.75 – 10.75 Credits
Junior	11.00 – 16.00 Credits
Senior	16.75 +
4. Lunch will automatically be scheduled.

The Guidance Office and administration reserve the right to make changes due to enrollment numbers, class overloads, availability, and/or facility limitations.

HIGH SCHOOL COURSE DESCRIPTIONS

AGRICULTURAL SCIENCE DEPARTMENT

AGRICULTURAL SCIENCE I

LENGTH – YEAR

The Agricultural Science I curriculum will follow Ohio's Competency Analysis Profile for Agri-Science. The curriculum will include research technology, environmental science, plant science and physiology, animal science, mechanical leadership activities through involvement in the student youth organization, FFA. Specific subject matter will include basic soil science, rural soil use, leadership, FFA parliamentary procedure, animal science, plant science, record keeping, basic woodworking and arc welding.

Grades: 9-12

PREREQUISITE: None

Credit: 1.00

Credit: .25 (SAE or Supervised Agricultural Experience) Student completes an SAE project over the summer for the additional .25 credit.

AGRICULTURAL SCIENCE II

LENGTH – YEAR

The Agricultural Science II curriculum will follow the same curriculum as in Agricultural Science I but specific subject matter will include tree identification, compass use, reading topographical maps, urban soil uses, public speaking, parliamentary procedure, summarizing record books, oxy-acetylene torch use, basic small engines, animal science and plant science.

Grades: 10-12

PREREQUISITE: Agricultural Science I

Credit: 1.00

Credit: .25 (SAE or Supervised Agricultural Experience) Student completes an SAE project over the summer for the additional .25 credit.

AGRICULTURAL SCIENCE III

LENGTH – YEAR

The Agricultural Science III & IV courses of study will include marketing, farm management, soil nutrition, advanced welding, advanced woodworking, natural resources, livestock health, credit, taxes and job opportunities.

Grades: 11-12

PREREQUISITE: Agricultural Science I & II or permission of instructor

Credit: 1.00

Credit: .25 (SAE or Supervised Agricultural Experience) Student completes an SAE project over the summer for the additional .25 credit.

AGRICULTURAL SCIENCE IV

LENGTH – YEAR

Same format as Agricultural Science III with more in-depth study.

Grade: 12

PREREQUISITE: Agricultural Science I-III

Credit: 1.25

Credit: .25 (SAE or Supervised Agricultural Experience) Student completes an SAE project over the summer for the additional .25 credit.

AGRICULTURAL BUSINESS

LENGTH - YEAR

Class emphasis is on job skills. Topics include interviewing, resumes, job application, taxes and tax preparation, etc. A job that is Ag related is preferred. If 450 hours of work are completed successfully, a student can obtain 3 credits for work.

Grade 11, 12

PREREQUISITE: Previous Agricultural Class

Credit: 1 for class, up to 3 for work

ART DEPARTMENT

ART 1 - Beginning

LENGTH - SEMESTER

This course is designed to teach the student the basic fundamentals in art, including the elements and principles of art and design and to familiarize the student with various art media, techniques and materials in both 2-dimensional and 3-dimensional areas. The following mediums will be covered: drawing, painting, ceramics, sculpture, printmaking, photography and other mixed media. Students will gain experience in working with graphite pencil, calligraphy pens, pastels, colored pencil, acrylic paint, watercolor, oil pastels and other assorted mediums. Emphasis will be on techniques and expression through observational artwork using models, nature and still lifes, as well as creating work using research and the imagination. The objective is to encourage individual achievement through critical thinking, problem solving, exploration of basic art principles and integrating technology. Writing components as well as research, technology and art history will also be incorporated into the curriculum.

Grades: 9-12

Credit: .50

ART 2 - Beginning

LENGTH - SEMESTER

This course is designed to teach the student the basic fundamentals in art, including the elements and principles of art and design and to familiarize the student with various art media, techniques and materials in both 2-dimensional and 3-dimensional areas. The following mediums will be covered: drawing, painting, ceramics, sculpture, printmaking, photography and other mixed media. Students will gain experience in working with graphite pencil, calligraphy pens, pastels, colored pencil, acrylic paint, watercolor, oil pastels and other assorted mediums. Emphasis will be on techniques and expression through observational artwork using models, nature and still lifes, as well as creating work using research and the imagination. The objective is to encourage individual achievement through critical thinking, problem solving, exploration of basic art principles and integrating technology. Writing components as well as research, technology and art history will also be incorporated into the curriculum

Grades: 9-12

PREREQUISITE: Art 1

Credit: .50

ART 3 - Intermediate

LENGTH - YEAR

This course will allow students to concentrate in art and design with further application, using skills and techniques acquired in primary classes. Emphasis will be on developing more advanced techniques in different mediums. Students will gain further experience working with a variety of mediums and mixed media. Emphasis will be on techniques and expression through observational artwork using models, nature and still lifes, as well as creating work using research and the imagination. The objective is to encourage individual achievement using critical thinking, problem solving and integrating technology. Writing components, as well as research, technology and art history will be incorporated into the curriculum.

Grades: 10-12

PREREQUISITE: Art 1 and Art 2

Credit: 1 (if taken both semesters)

ART 4/5 - Accelerated**LENGTH - YEAR**

This course will allow students to further their talents in skill and individual style. Advanced techniques using various mediums and mixed media will be taught. The objective is to encourage individual achievement using critical thinking, problem solving and integrating technology. Emphasis will be on exploration, composition, independent work and well developed final products. Projects will be highly individualized. Writing components as well as research, technology and art history will be incorporated into the curriculum. This course may be repeated with the student receiving no more than two total credits.

Grades: 11-12

PREREQUISITE: B or higher in Art 3 or teacher permission; and submission of application to instructor prior to scheduling. Applications can be found [HERE](#).

Credit: Up to 2 (may take all junior year and all senior year)

ENGLISH EDUCATION DEPARTMENT

ENGLISH 9

LENGTH – YEAR

Instruction will integrate literature study, grammar and composition. There will also be compositions on nonfiction selections. The objective is to teach the student clearer communications through writing, speaking, thinking and listening. Improvement of reading skills, analysis and enjoyment of reading are also class goals. Students will read full-length books and may be required to complete a short research assignment.

Grade: 9

PREREQUISITE: None

Credit: 1.00

Note: Honors English 9 requires a teacher recommendation and a grade of A in both semesters of Language Arts 8

WORLD LITERATURE

LENGTH – YEAR

Students will study a variety of literature, including world literature and novels and learn to write varied compositions with emphasis on developing paragraphs and short essays. Research skills will be used in a short paper. Also, students will develop writing skills making practical application of grammar and vocabulary study. Students will develop an appreciation of world literature, plays, short stories, myths, and novels.

Grade: 10

PREREQUISITE: Passing grade in English 9

Credit: 1.00

Note: Honor English 10 requires a teacher recommendation and a grade of A in both semesters of English 9

AMERICAN LITERATURE

LENGTH – YEAR

Students will study American Literature, focus on research and analysis in their writing, increase their vocabulary skills, remediate grammar and usage problems, and read two or three supplemental novels. In addition, students will improve their oral presentation skills, their visual literacy skills, and their reading and writing skills.

Grade: 11

PREREQUISITE: Passing grade in World Literature

Credit: 1.00

BRITISH LITERATURE

LENGTH – YEAR

Students will study literary works and literary elements focusing on British literature. Literary study will include poetry, plays, fiction, and nonfiction prose. Reading selections will include both assigned and supplemental choices. Students will write for various purposes with a focus on applying standard English grammar, usage and vocabulary in compositions. Research and analytical skills will be applied for writing and speaking. Listening skills and visual literacy will be implemented throughout the course. Presentations will include the use of research and technology. Throughout the course, students will develop a writing portfolio in addition to supplementing a career portfolio. The language arts State Standards will be included throughout the course. Students will enhance their literary and writing experiences, as well as develop communication skills for employment and/or further education.

Grade: 12

PREREQUISITE: Passing grade in American Literature

Credit: 1.00

GOTHIC AND HORROR LITERATURE**LENGTH – SEMESTER**

Authors studied in this course will include both contemporary and classic authors such as Hawthorne, Shelley, Poe, and Stephen King. Topics of study connected to these works and authors will include the psychology of horror, why we like to be scared, how the genre has evolved to what it is today, etc.

Grades: 10-12**Credit: .50****MYTHOLOGY****LENGTH - SEMESTER**

Mythology is used as a reference in many pieces of literature, being a basis for reading understanding. Students will read many mythological stories, studying the gods and goddesses, heroes, creatures, and places of Ancient Greece and Rome and other cultures. Students will become familiar with word roots and bases to help enlarge vocabulary.

Grades: 10-12**Credit: .50****FUTURISTIC FICTION****LENGTH - SEMESTER**

What will the future be like? How might the world end? These are questions that authors have wondered and written about for centuries. Focusing on science fiction, the theme of dystopia and life after the apocalypse, this class will explore both classic and modern literature that has inspired some of the most popular books and films of today. Books that may be read include Fahrenheit 451, Brave New World, Cat's Cradle, as well as more recent fiction such as Feed and The Hunger Games. The course will require reading both in and out of class, critical analysis of the literature, research on related subjects, personal reflection and debate.

Grades: 10-12**Credit: .50****COLLEGE WRITING****LENGTH - SEMESTER**

The purpose of College Writing is to help you grow and prepare yourself to write at a college level. In this course, you will work on both research and writing skills. Students will write college-level papers in both MLA and APA formats. College Writing students should be planning on attending a four year college. The college search and application process will be covered in some detail as part of this course.

Grades: 11-12**Credit: .50**

FAMILY & CONSUMER SCIENCE DEPARTMENT

PRINCIPLES OF FOOD

LENGTH – SEMESTER

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.

Grades: 8-10

Credit: .50

CULINARY FUNDAMENTALS

LENGTH – SEMESTER

This is a study of basic nutrition, principles of food preparation, meal planning and social etiquette. Food will be prepared with an additional emphasis on sanitation and safety. Course goals include increased knowledge about nutrition information, planning and carrying out attractive and nutritious meals, experiencing new foods and methods of preparation.

Grades: 9-12

Credit: .50

PREREQUISITE: Principles of Food

GLOBAL FOODS

LENGTH - SEMESTER

This is a more in-depth study of nutrition, meal planning and principles of food preparation. More advanced foods will be planned and prepared. Students will be expected to use prior knowledge retained in Foods I to continue to learn about foods and nutrition. Course goals include learning about meal planning and budgeting, adjusting recipes, planning and carrying out advanced meals, understanding various cultures and their views on food and nutrition, and experiencing new foods and methods of food preparation.

Grades: 9-12

PREREQUISITE: Culinary Fundamentals

Credit: .50

CHILD DEVELOPMENT

LENGTH – SEMESTER

In this course, 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.

Grades: 10-12

Credit: .50

LEADERSHIP AND COMMUNITY ENGAGEMENT

LENGTH - SEMESTER

In this course, students will learn how to become an active community member and citizen. An emphasis will be placed on service-learning, leadership training, and team building opportunities. Additional topics will include public policy issues and community and global engagement.

Grades: 9-12

Credit: .50

TRANSITIONS AND CAREERS

LENGTH – SEMESTER

In this course, students will analyze interests, aptitudes and skills to prepare for careers that transition through life. An emphasis will be placed on work ethics, team building, communication and leadership skills. Additional topics will include technology etiquette and career planning.

Grade: 8

Credit: .50

CAREER AND COLLEGE READINESS**LENGTH – SEMESTER**

Students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills, and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership, and entrepreneurship.

Grades: 9-12**Credit: .50****TEXTILES AND INTERIOR DESIGN****LENGTH – SEMESTER**

In this course students will explore a broad range of topics relating to the various aspects and career opportunities available in the field of textiles and design. The emphasis will be given to textiles project development and developing strategies to maintain the home. Additional topics will include project collaboration, design techniques and environmental sustainability.

Grades: 8-10**Credit: .50****INTERIOR DESIGN, FURNISHINGS, AND MANAGEMENT****LENGTH – SEMESTER**

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.

Grades: 9-12**Prerequisite:** Textiles and Interior Design **or** junior or senior status**Credit: .50****TEXTILE DESIGN, CONSTRUCTION, AND MAINTENANCE****LENGTH – SEMESTER**

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.

Grades: 9-12**Prerequisite:** Textiles and Interior Design **or** junior or senior status**Credit: .50**

FOREIGN LANGUAGE DEPARTMENT

SPANISH I

LENGTH – YEAR

Spanish I consists of: (1) pronunciation and ear training in production and recognition of Spanish sounds; (2) vocabulary development for conversation and reading; (3) basic language patterns and grammatical construction; (4) reading and composition within the limits of language comprehension; (5) supplementary activities for background knowledge of Spanish-speaking countries and their cultures. The objectives of Spanish I are to give the students knowledge of both written and spoken Spanish, the people and their cultures.

Grades: 9-12

PREREQUISITE: C or higher in English 8 or teacher recommendation

Credit: 1.00

SPANISH II

LENGTH – YEAR

Spanish II consists of a review of Spanish I increasing vocabulary, improving pronunciation, conversation, reading, writing, and learning about the history, geography and culture of Spanish speaking countries, and Spanish literature.

Grades: 9-12

PREREQUISITE: C or higher in Spanish I and English or teacher recommendation

Credit: 1.00

SPANISH III

LENGTH – YEAR

Spanish III consists of the review of grammar and vocabulary in Spanish I and II, speaking to express one's own ideas, reading compositions, learning about the history, geography, and culture of Spanish speaking countries and Spanish literature.

Grades: 11-12

PREREQUISITE: C or higher in Spanish I & II or teacher recommendation

Credit: 1.00

SPANISH IV

LENGTH – YEAR

Spanish IV augments Spanish I, II, and III. Reading, writing, speaking and listening skills are refined. Knowledge of culture is increased. Vocabulary is augmented: Grammar is perfected, and culture continues to be emphasized.

Grade: 12

PREREQUISITE: C or higher in Spanish I, II & III or teacher recommendation

Credit: 1.00

MATHEMATICS DEPARTMENT

ALGEBRA PLUS

LENGTH - YEAR

This standards-based algebra course emphasizes contextual learning, hands-on experiences, and applications of algebra in the workplace setting. It will extend principles of arithmetic by working with variables. Students will use algebraic concepts and problem-solving strategies in real world situations. A TI-30XIIS scientific calculator is recommended for this course.

Grades: 9-10

PREREQUISITES: Math 8

Credit: 1.00

Note: The NCAA will not accept this course

ALGEBRA I

LENGTH - YEAR

Algebra I extends the principles of arithmetic by working with variables with emphasis on the structure of mathematics. This course is a comprehensive course that prepares students to use algebraic skills and concepts in mathematics, in related disciplines and in real world situations. The student will develop problem-solving strategies to think critically and solve problems. Topics include signed numbers, equations, graphing, factoring, and exponents. This course is recommended for the college bound student. A TI-30XIIS scientific calculator is recommended for this course.

Grades: 8-10

PREREQUISITES: Teacher recommendation and acceptable score on the Algebra Prognosis test for grade 8

Credit: 1.00

ALGEBRA II PLUS

LENGTH - YEAR

This course builds upon first year algebra concepts and continues to emphasize problem solving skills as they apply to real world situations. Additional topics include, but are not limited to, irrational and complex numbers, analytic geometry, graphing, exponential functions, logarithms, series and sequences, and permutations and combinations. A graphics calculator is **required**, a 83+ or TI-84+ is preferred.

Grades: 9-12

PREREQUISITES: Successful completion of Algebra I or Algebra Plus

Credit: 1.00

Note: The NCAA will not accept this course

ALGEBRA II

LENGTH - YEAR

This course builds upon first year algebra concepts and continues to emphasize problem solving skills as they apply to real world situations. Additional topics include, but are not limited to, irrational and complex numbers, quadratic functions, analytic geometry, graphing, exponential functions, logarithms, series and sequences, and permutations and combinations. This course is recommended for those students intending to study advanced mathematics/pre-calculus. A graphics calculator is **required**, a TI-83+ or TI-84+ is preferred.

Grades: 9-12

PREREQUISITES: Successful completion of Algebra I or teacher recommendation

Credit: 1.00

GEOMETRY PLUS**LENGTH - YEAR**

This standards-based geometry course helps students master geometric concepts in a contextual learning environment. Real-world and workplace applications throughout the course will provide students with a relevant way of translating geometry from an abstract, theoretical approach to a concrete, applied approach. This course will introduce students to informal and formal proofs. There is an extensive use of formulas. **Note:** It is recommended that students planning to take Algebra 2 and Advanced Math take GEOMETRY rather than this course. A TI-30XIIS scientific calculator is recommended for this course.

Grades: 10-12**PREREQUISITES: Successful completion of Algebra I or Algebra Plus AND Algebra II or Algebra II Plus****Credit: 1.00****Note: The NCAA will not accept this course****GEOMETRY****LENGTH - YEAR**

This course involves the study of properties of geometric figures and ideas. Learning to do various formal and informal proofs is an important concept in this course. Extensive use of formulas constitutes a large portion of the material covered. Students will be expected to memorize many theorems, definitions and properties. Both plane and solid geometry are covered. Other topics studied include geometric construction, congruence, similarity, right triangle trigonometry. This course is highly recommended for students planning to go on to Algebra 2 and Pre-calculus (Advanced Math) and college bound students. A TI-30XIIS scientific calculator is recommended for this course.

Grades: 10-12**PREREQUISITES: Successful completion of Algebra I and Algebra II and teacher recommendation****Credit: 1.00****COLLEGE MATH****LENGTH - YEAR**

This is a survey mathematics course that can serve non-physical science/math students with a practical coverage that will connect mathematics to the real world. The course provides an overview of various topics such as problem solving, number and set theory, mathematical systems, real numbers, algebra, geometry, trigonometry, probability, statistics, and consumer mathematics. Students will also study some of the history behind mathematics as well as the biographies of famous mathematicians. The course will make use of technology and applications that will help students develop/maintain skills needed for future mathematics courses and careers. This is a good fourth year mathematics course for students who do not plan to study higher level mathematics or science classes, but wish to keep abreast of various mathematical topics throughout their senior year.

Grades: 11-12**PREREQUISITES: Algebra I and II (or their equivalents) plus Geometry****Credit: 1.00****HONORS INTRODUCTION TO STATISTICS****LENGTH – YEAR**

A study of basic descriptive and inferential statistics with emphasis on applications in business, biology, and social sciences.

Grades: 11-12**Prerequisite: Algebra I, Algebra II, and Geometry or ACT subscore of 19 or higher.****Credit: 1.0**

MUSIC EDUCATION DEPARTMENT

HIGH SCHOOL MARCHING BAND

LENGTH – YEAR

The high school band class is actually a combination of two separate groups. The marching band is a group that performs at all football games, parades, festivals, concerts and other special events. Marching band students sign a commitment form in the previous spring and will be required to meet after school in addition to the high school band class. Band students are required to participate in both marching and concert bands and can only be exempt by written consent from the band director. Students who participate in a fall sport will not be required to participate in the marching band. Students in the high school band class will play marching band music until October. The students who are concert band only students will participate by playing with the marching students during the class period, but will not be required to meet after school or perform with the ensemble. The concert band is a group that performs at concerts, festivals, large-group contests and other special events. Students in this part of the class are also encouraged to prepare music for solo and ensemble contest; however, it is not required. This group will rehearse during the high school band period starting in October through the remainder of the school year. The objective of this course is to further the reading ability of each student in the language of music, develop sound pedagogical understanding with respect to a student's individual instrument, foster team building and group dynamics and improve upon skills learned from previous music experiences. Note: Color Guard and Majorette members of the marching band can take this class for .50 credit with director approval.

Grades: 9-12

Note: STUDENTS THAT ARE AUDITIONED FOR MARCHING BAND INCLUDE DRUMLINE, COLOR GUARD, AND MAJORETTES.

Credit: 1.00

CHOIR

LENGTH - SEMESTER

Choir is open to any students in grades 8 through 12 and requires **NO** audition. Choir will train students' individual solo voice and ensemble voice through musical repertoire. Students will also be taught basic singing techniques in a variety of styles, music notation, dynamics, intonation, and balance. The choir will learn, memorize, and perform several songs throughout the semester. Students who would like to participate in choir are required to participate in daily singing activities with a positive attitude. Students will be required to participate in a concert held at the end of the semester.

Grades: 9-12

Credit: .50

SURVEY OF MUSIC

LENGTH – SEMESTER

This is a non-performing class that explores several areas of music. Subjects that will be covered include the history of classical music, jazz, rock and roll, pop, music theory, and how to listen to music. Students will write music, participate in group projects, engage in group discussion, and write a final paper at the end of the semester.

Grades: 9-12

Credit: .50

PHYSICAL EDUCATION/HEALTH DEPARTMENT

PHYSICAL EDUCATION

LENGTH – SEMESTER

Physical education is involvement in physical activities, knowledge of how our bodies move and the things that are good/bad for our bodies. The mind and body are not separate: how the mind works at a given time has a great deal to do with how the body feels. Class activities will stress strategies for staying physically fit.

Objectives: Physical fitness—To be able to carry one's work load without difficulty; to participate in recreation with ease and enjoyment; to develop endurance to meet the emergencies of life; to keep your body in good physical and mental health.

Motor skills—to see improvement in learned motor skills.

Knowledge—to know rules and strategies of activities and to be able to make split second decisions.

Social—to help students to cooperate and appreciate exercise, sports and the use of leisure time.

Participating is the key requirement for physical education. Each unexcused dress cut will result in lowering of a student's grade. **Example:** Each student starts the nine weeks with an A. If one unexcused dress cut occurs, the grade drops to an A-; two unexcused dress cuts, the grade drops to a B; etc. More than six cuts a quarter will result in an F for the nine weeks. **STREET SHOES WILL NOT BE ALLOWED ON THE GYM FLOOR.** Students must provide tennis shoes which are dedicated for gym use only.

Grades: 9-12

Credit: .25 (FULL YEAR = .50 CREDIT)

STRENGTH AND CONDITIONING

LENGTH - SEMESTER

This class will give each student an opportunity to improve total physical fitness through weight training as well as fitness-based exercise. Students will have the opportunity to work in the weight room, indoors, and outdoors. The goal of this class is to assist the student in exercise techniques to keep the body in good physical condition.

Grades: 10-12

Credit: .25

YOGA

LENGTH - SEMESTER

In this beginner Yoga course, we will utilize yoga practices to become more physically, mentally and emotionally fit. You will learn breathing techniques, basic to intermediate yoga poses, improve the mind-body connection and increase strength and flexibility. Emphasis will be placed on correct alignment and safe practices.

Grades: 10-12

Credit: .25

HEALTH

LENGTH – SEMESTER

The course deals with introducing the different systems of the human body. This includes how each system functions, what organs are involved in this function, what diseases can affect the health of these systems, how the things which are put into the body (drugs, food, etc.) affect it, and how the environment around us can affect a person's health. Students will be required to take written tests, quizzes, do homework assignments and keep a record (of their choice) on a health related subject.

Grades: 9-10

Credit: .50

Interscholastic Athletic Physical Education Waiver Policy

The Ohio Department of Education mandates 120 hours of physical education to earn the one-half unit of credit required for graduation. Section 3313.603 (L) of the Revised Code, however, allows “the board of education of each school district . . . may adopt a policy to excuse from the high school physical education requirement each student who, during high school, has participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons. If the board or authority adopts such a policy, the board or authority shall not require the student to complete any physical education course as a condition to graduate. However, the student shall be required to complete one-half unit, consisting of at least sixty hours of instruction, in another course of study.”

East Knox High School will allow sophomore and junior student-athletes who participate in two interscholastic sports seasons throughout the school year, to be excused from physical education class, with the exception of 9th grade physical education. Marching Band shall count as 1 sport season. Participants in Marching Band must still complete in a second interscholastic sport in either the winter or spring. Students are not permitted to utilize two activities in the same season to meet this requirement (i.e. band and soccer will count as only one season). The intent of this policy is to encourage and give credit for extended physical activity over the entire length of the school year.

Participation in two-interscholastic sports seasons means the following:

1. Interscholastic Sports Seasons

- a. Fall Interscholastic Sports Season
- b. Winter Interscholastic Sports Season
- c. Spring Interscholastic Sports Season

2. Selection to any interscholastic team will require that student-athletes meet appropriate team standards in order to be a member of any team. Selection to any team is not a guarantee.

3. A minimum of 90% attendance at ALL team practices, competitions, and team events, beginning with the sport’s official start date (set by the Ohio High School Athletic Association) even if this date is prior to the opening of school in the fall and continuing through all post-season play. This may also include events held over school holidays.

4. Each student-athlete is responsible for remaining academically eligible throughout the sports seasons.

5. Participation in the season must include physically active participation in ALL aspects of team training, preparation, and play. If at any time a student-athlete does not meet the criteria set forth above, he/she will be required to make up the appropriate coursework and must contact the guidance to make any necessary schedule changes.

This policy is intended to free time for additional academic scheduling during the school day for two-interscholastic sport student athletes. Student-athletes meeting the requirements of this policy will not receive a grade for physical education since they have been excused from the graduation requirement.

Students planning to participate in this program may request paperwork in April. The paperwork must be submitted to the athletic director before end of June 1.

SCIENCE DEPARTMENT

BIOLOGY

LENGTH - YEAR

Biology I is designed to provide students with a fundamental understanding of the general concepts of biology, the scientific study of living things. Topics include the scientific method, basic chemistry, cell structure and function, photosynthesis and cell respiration, cell reproduction, genetics, evolution, classification of organisms, and ecology.

Grade: 10

PREREQUISITES: None

Credit: 1.00

BOTANY

LENGTH - SEMESTER

Botany is the study of plants. This course introduces students to the identification and classification of local flowering plants with an emphasis on wildflowers. Students will learn how to use field guides in first part of the course which is conducted largely in the field. A survey of the plant kingdom including algae and fungi will be the focus of the second half of the course. The course is only offered in the fall.

Grade: 11-12

PREREQUISITE: Biology

Credit: .50

EARTH SCIENCE

LENGTH - YEAR

Earth science is a yearlong introductory course designed to teach students the structure of the Earth and the dynamic forces, which shape our planet. Topics include: Geology (study of rocks, plate tectonics, earthquakes, volcanoes, weathering and erosion, glaciers and history of the Earth), Oceanography (study of the oceans and water systems), and Meteorology (study of the atmosphere, climate and weather). This elective course will satisfy the third year of science required for high school graduation. This course is iPad intensive.

Grades: 11-12

Credit: 1.0

FORENSIC SCIENCE

LENGTH – SEMESTER

This course focuses on the skills and concepts behind crime scene investigation and forensic science. This course will help you hone your investigative skills and review a wide range of science concepts and critical thinking. You will review physics, chemistry, anatomy, cell biology, environmental science and computer science in the process of learning about forensic science. You will engage in lectures, labs, case studies, and online activities. This course should help you see how science is used to answer questions rather than just learning science concepts.

Grades: 11-12

Credit: .50

INTRODUCTION TO ASTRONOMY

LENGTH - SEMESTER

Introduction to Astronomy is a nontechnical description of the science of Astronomy. A survey of main concepts and discoveries in astronomy will be explored. The course is based around richly illustrated half-hour video lessons. The main topics of the course include: the solar system – planets and their moons; stars and stellar evolution – star birth, the formation of planets, and star death; galaxies and cosmology – the expansion of the universe, its origin and the future of the universe. Students will also be exploring selected constellations.

Grades: 11-12

PREREQUISITE: None

Credit: .50

INTRODUCTION TO CHEMISTRY**LENGTH - YEAR**

Chemistry is a science that deals with matter and the changes it undergoes. Major emphasis is placed upon the structure of matter in determining chemical and physical properties of substances. Chemistry is a basic science course for students who plan to attend college or a science oriented technical school. The student will be exposed to abstract chemical theory, intensive problem solving, and basic laboratory procedure.

Grades: 11-12**PREREQUISITE: Grade of B in both semesters of Algebra I****Credit: 1.00****METEOROLOGY****LENGTH - SEMESTER**

Students will study an Overview of Major climatic controls; climatic classifications and comparisons of major climatic types; an overview of current climate issues such as global warming and El Niño; overview of the global climate; current weather maps; structure of the atmosphere and the role of moisture in the development of dew, clouds, and precipitation; air masses, fronts, cyclones, thunderstorms, tornadoes, and hurricanes. Elements of weather forecasting, instrumentation and communication will be discussed

Grades: 11-12**PREREQUISITE: None****Credit: .50****NEUROSCIENCE****LENGTH - SEMESTER**

This is an introductory course into the basic principles of neuroanatomy and neurophysiology. It will begin with lessons covering the general organization of the central nervous system. Basic properties of ion channels, mechanisms of action potential generation and propagation, and principles of synaptic transmission will be covered. The latter part of the course will concentrate on specific systems such as the visual, auditory, motor, sensory, and limbic systems. A study of various disorders and diseases of the Brain will be included. The course as a CCP course offered through Kenyon College as a KAP course.

Grades: 11-12**PREREQUISITE: Biology****Credit: .50 & Kenyon College Credit****PHYSICAL SCIENCE****LENGTH – YEAR**

Physical Science is a required graduation course that is designed to better prepare students to apply science concepts to everyday life. A basic introduction to high school chemistry and physics, it includes topics such as the structure of atoms, matter, chemical reactions, and motion and forces, and the conservation of energy.

Grades: 9**PREREQUISITE: None****Credit: 1.00**

SOCIAL STUDIES DEPARTMENT

WORLD STUDIES

LENGTH - YEAR

Ninth-grade students continue the chronological study of world history. This study incorporates each of the seven Academic Content Standards. As students study historic eras, they 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 and continue to develop their research skills.

Grade: 9

PREREQUISITE: None

Credit: 1.00

U.S. STUDIES

LENGTH - YEAR

Tenth-grade students continue the chronological study of the history of the United States with emphasis on domestic affairs. This study incorporates the Academic Content Standards. As students study historic eras, they consider the geographic, cultural, economic and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

Grade: 10

PREREQUISITE: World Studies

Credit: 1.00

ECONOMICS

LENGTH - SEMESTER

The objective of this course is to provide students with the knowledge they need in order to make sound decisions regarding the financial situations they will be presented with in the near future. Students will learn about topics including; credit cards, loans, investment options, balancing a checkbook, paying bills, budgeting, and compound interest. Written communication of ideas will be emphasized in this class as well as the application of math skills.

Grades: 11-12

PREREQUISITE: None

Credit: .50

GOVERNMENT

LENGTH - SEMESTER

This course is an in-depth study of the U.S. government, as well as civic responsibilities. This study incorporates all seven standards. Students study the historic tools of the political system and how it has changed over time. They continue to develop an understanding of the rights and responsibilities of citizenship including current events that shape their society.

Grades: 11-12

PREREQUISITE: None

Credit: .50

PRINCIPLES OF PSYCHOLOGY

LENGTH – SEMESTER

This course is designed to involve students in the scientific study of theories and concepts related to the individual. Students learn basic psychological theories and concepts through classroom discussion and experimentation. Current topics in psychology are emphasized.

Grades: 11-12

Credit: .50

CURRENT EVENTS

LENGTH - SEMESTER

This course analyzes events that are presently taking place. Sources for this class will include newspapers, magazines, and the Internet. This class emphasizes class discussion and participation. Students will be required to discuss topics in a large group setting as well as give presentations to the class.

Grades: 9-12

Credit: .50

GEOGRAPHY**LENGTH - SEMESTER**

Geography is designed to give students the knowledge of geographic locations, patterns and processes to show the interrelationship between the physical environment and human activity, and to explain the interactions that occur in an increasingly interdependent world. The course will also focus on today's global economics, politics, social values, ideology and culture.

Grades: 10-12

Credit: .50

CONTEMPORARY WARS 1850-1979**LENGTH - YEAR**

This course will examine the Civil War Era, which consists of the Antebellum, Civil War, and Reconstruction Periods. The main focus will be on the events from 1850-1970. The social, political, and economic aspects of this turbulent historical timeframe will be analyzed, as well as the long-term effects on our national makeup and psyche. Class discussions, videos, outside reading, primary sources, and projects will help us better understand one of the most significant and critical chapters in our American History. The second semester of this course focuses on an evaluation of two major events in history: The Civil Rights Movement and the Vietnam War. Each event will be analyzed in an effort to better understand what happened, why it happened and how it impacts us today. The use of primary sources, especially video and newsreel footage of actual events, will help students experience what it was like to live during these turbulent times. Students in this course will be required to write a book review as well as a major research paper

Grades: 11-12

Credit: 1.0

HISTORY THROUGH FILM**LENGTH – SEMESTER**

Not just an eat popcorn and watch movie class! The goal of this class is to learn American History through watching movies. Each film will consist of 6 to 8 days of class work. This class work will be divided into three different areas. The first area will be the introduction. At this point we will introduce the time period and what the film is about. The second area will be the actual watching of the movie with discussion. The third and final area will be the post work which may include discussion questions, work sheets, film reviews and/or essays. This class will be a writing and research intensive class. Missing the viewing of the film due to absenteeism will be problematic, and it will be the student's responsibility to make up the missed time.

The films will be chosen because of their content as well as school friendliness. Unfortunately, there may still be a few parts of the films with abusive language, unruly violence and innuendos. For that reason, a permission slip must be signed before you can participate in class.

Grades: 10-12

Credit: .50

THE AMERICAN WEST**LENGTH – SEMESTER**

This course is based upon *The West*, a nine-part, documentary film series produced by Ken Burns that chronicles the turbulent history of the American West—a mythic landscape filled with stories of both heartbreaking tragedy and undying hope. Beginning in the era when the land belonged only to American Indians and ending in the 20th century, the film is populated by unforgettable historical characters—of gold seekers and cowboys, ranchers and railroads, explorers and homesteaders, and hundreds of tribes of American Indians. Their competing dreams transformed the land and turned the West into a lasting symbol of the nation itself.

In addition to class discussions on the contents of each video episode, students will also:

- Read independently for assigned topics each week.
- Create projects and presentations on various topics or themes.
- Conduct research and write a paper on a person or topic of their choice.
- Write thoughtful papers reflecting the major themes of The West.
- Read and participate in class discussions on several books.

Grades: 11-12

Credit: .50

ELECTIVE

YEARBOOK

LENGTH – YEAR

The purpose of Yearbook I is to produce and publish a school yearbook that includes coverage of student life on campus and major events of that year while preparing students for the increasingly complex life and work environment in the 21st century. In Yearbook, you will learn to design layouts, take quality pictures, interview fellow students, write stories and be a part of a professionally published book.

This class is responsible for the publication of the school yearbook. Students are expected to develop proficiency in skills such as copy writing, design, layout, and public relations. An ability to write and spell is required. Students must spend time outside of class working on all phases of yearbook production, including the sale of ads. Yearbook photographer must be able to take pictures and produce good quality photos.

The students considering this course must have and exhibit a high degree of self-motivation and maturity. They must possess good time management skills. The students will be responsible for writing articles, taking and gathering photographs, and the layout and design of yearbook pages on the computer. In addition, students will market the yearbook. Students must be prepared to spend extra time outside of class working on the yearbook.

Grades: 9-12

PREREQUISITES: English teacher recommendation, a grade of B or better grade average in their previous semester English course and Yearbook teacher approval.

Special Note: This course may be repeated each year of high school.

Credit: 1.0

CAREER BASED INTERVENTION (CBI) AND INTERVENTION

This CBI program is designed for students searching for a work skills educational experience. The program provides realistic and meaningful training in a variety of areas that will aid students in gaining the skills needed for securing and maintaining gainful employment. Students spend time during the school day attending classes, which have been specifically planned for them in terms of fulfilling their graduation requirements. Efforts are made to provide intervention and remedial instruction so that students can learn at their maximum potential. The other part of the day, students work in supervised job stations throughout the community. Students will receive three work experience high school credits after successfully completing their required work hours. CBI coordinators work closely with home school guidance counselors in targeting students who might find a CBI program a worthwhile educational alternative. Sophomores completing the program are eligible to enroll in a two-year technology program at the Knox County Career Center.

Individual classes within this program include

RELATED I (1 Credit)

RELATED ACADEMIC II (Credit varies)

CO-OP (1 –3 credits)

**SUGGESTED COURSES FOR STUDENTS PARTICIPATING IN COLLEGE CREDIT
PLUS**

11TH GRADE YEAR

English: **Composition 1**
 American Literature

Math: **Pre-Calculus**
 Calculus

Science: **General Biology with Lab**
 Human Biology with Lab

S.S.: **Government**
 Economics

*Plus any electives that would count towards student's planned major and/or that the student finds interesting

**SUGGESTED COURSES FOR STUDENTS WHO ARE ON A COLLEGE/HONORS
TRACK BUT NOT PARTICIPATING IN COLLEGE CREDIT PLUS**

11TH GRADE YEAR

English: **American Literature**

College Writing

Math: **Geometry, Statistics, or College Math**

Science: **Intro to Chemistry or Astronomy & Botany**

S.S.: **Government**

Economics

*Plus any electives related to the student's planned major and/or that the student finds interesting

**SUGGESTED COURSES FOR STUDENTS PARTICIPATING IN COLLEGE CREDIT
PLUS**

12TH GRADE YEAR

English: **Composition 2**

British Literature

Math: **Trigonometry**

Intro. To Statistics

Science: **Basic Chemistry with Lab**

Physics with Lab

S.S.: **Cultural Diversity or Intro to Psychology**

Fine Arts **Fundamentals of Drawing**

*Plus any electives that would count towards student's planned major and/or that the student finds interesting

**SUGGESTED COURSES FOR STUDENTS WHO ARE ON A COLLEGE/HONORS
TRACK BUT NOT PARTICIPATING IN COLLEGE CREDIT PLUS**

12TH GRADE YEAR

English: **British Literature**

College Writing

Math: **Statistics or College Math**

Science: **Intro to Chemistry, Physics, Neuroscience, and/or Forensic Science**

S.S.: **Government**-If not taken previously

Economics-If not taken previously

Principles of Psychology

*Plus any electives related to the student's planned major and/or that the student finds interesting