

# **HOXIE HIGH SCHOOL**

## **COURSE DESCRIPTION BOOK**

**2018~ 2019**

HOXIE HIGH SCHOOL  
COURSE DESCRIPTION BOOKLET  
2018-19 SCHOOL YEAR

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## **NONDISCRIMINATORY STATEMENT**

Hoxie Jr./Sr. High School, Hoxie, Kansas, does not discriminate on the basis of race, color, national origin, sex, age or handicap in admission or access to, or treatment or employment in its programs and activities. James Howard, Superintendent of Schools, has been designated Title IX and Section 504 Coordinator. If you have questions regarding the above, please contact: James Howard, Superintendent, USD #412 Office, 1100 Queen, Hoxie, KS. 67740, Telephone 785-675-3258.

This course description booklet is designed to serve as a guide to required and elective courses that are available to students during the school year. The principal has the authority to decide whether or not to offer a course.

Each student's class schedule will consist of seven (7) classes/courses of study. Once the student has enrolled in or selected seven (7) classes/courses of study, the principal may reassign students to different class hours to balance class size.

## **GRADUATION REQUIREMENTS**

In order to meet requirements for graduation from Hoxie High School, graduating students must complete twenty-four (24) units, which must include the successful completion of:

1. three units of mathematics (one (1) unit to be Algebra unless waived by the principal because of special circumstances).
2. three (3) units of social science (must include one (1) unit of American History and one (1) unit of American Government).
3. one (1) unit of Physical Education/Health.
4. three (3) units of science.
5. four (4) units of English (must include English I, English II, English III, English IV or College Preparatory English).
6. one (1) unit of Computer Applications I
7. one (1) unit of Fine Arts (art, choir, band, debate, forensics).
8. successful completion of classes as required by the Principal for state assessment scores of unsatisfactory or basic.

**KANSAS REGENTS RECOMMENDED CURRICULUM FOR SCHOLARSHIP  
CONSIDERATION  
KANSAS STATE SCHOLAR REQUIREMENTS**

In order for a Hoxie High School student to be designated as a "Kansas State Scholar", an index ranking, which is a mathematical product of seventh semester cumulative GPA and ACT Composite score, the following criteria must be met:

1. ACT Assessment must be taken between February of the student's junior year and December of the senior year
2. The following curriculum must be completed:

**English, 4 years:** Four years of composition and grammar to include content in literature and speech.

**Mathematics, 4 years:** Algebra I, Algebra II, Geometry, and one additional advanced mathematics course.

**Social Studies, 3 years:** One year of American History, one semester of government, one semester of economics, and one year of social science.

**Natural Science, 3 years:** One year of biology, one year of chemistry, and one year of physics.

**Foreign Language, 2 years:** Two years of one foreign language.

**NOTE:** To be considered for Valedictorian, Salutatorian, or Honor Student, the student must meet the curriculum requirements outlined above.

**DEPARTMENT OF AGRICULTURAL SCIENCE & TECHNOLOGY**

**AGRICULTURAL EXPLORATIONS**

**GRADE LEVEL: 7-8**

Prerequisite-None

8<sup>th</sup> Grade-

This is a 9-week course for eighth grade students who will become consumers of agricultural products. Emphasis will be placed on the major sectors of the agricultural industry, agriculture literacy, consumer education and leadership development. This is a hands-on course that will involve many short units including the descriptions of the importance of agriculture, plant and soil science, small animal science, food science and agricultural mechanics.

7<sup>th</sup> Grade-

Agricultural Explorations for seventh grade students will be a nine week course that will include the Kansas Hunter Education course, studies and activities that involve conservation and appreciation of our wildlife resources.

Students who successfully complete the Kansas Hunter Ed curriculum will receive their Hunter Ed Certification card.

The introduction to wildlife resource study includes species identification, survival needs, predator-prey relationships, habitat improvement, and the role of hunting.

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**AGRISCIENCE**

**GRADE LEVEL: 9-10**

Prerequisite- None

**CREDIT: 1 UNIT**

This is a yearlong course that explores the opportunities available to students in agriculture. Students will gain basic knowledge of FFA, establish SAE programs, record keeping, leadership, careers in agriculture, basic principles of animal, food and plant sciences, natural resources, environmental systems, agricultural mechanics and safety. This course highlights all areas of agriculture and provides the basic knowledge required for upper level agricultural education courses. This course is a prerequisite for all other high school agriculture courses. Students will demonstrate their ability and leadership development through FFA activities and Career Development Events.

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**AGRICULTURAL WELDING I & II**

**GRADE LEVEL: 10-12**

Prerequisite- Agriscience

CREDIT: 1 UNIT

Students will work in both the classroom and shop to develop knowledge, skills and safety habits regarding welding. Operate welding equipment that perform both alloy and fusion processes such as oxy-acetylene, Arc, MIG, and TIG. They will cover metal identification, electrode identification, proper shop safety and proper use of machines. Student will learn a variety of metal fabrication procedures, project design, and set-up and other procedures required for project construction. Students will demonstrate their ability and leadership development through FFA activities and Career Development Events are encouraged to display their project at fairs.

### **AGRICULTURAL MECHANICS**

GRADE LEVEL: 10-12

Prerequisite- Agriscience

CREDIT: 1 UNIT

Students will explore a variety of agriculture mechanics including shop safety, electrification, small engines, carpentry, concrete, welding and other mechanical technology. Students will be expected to participate in classroom instruction, shop demonstrations, and individual projects during the course of the year. Students will demonstrate their ability and leadership development through FFA activities, Career Development Events and are encouraged to display their project at fairs.

### **PLANT AND ANIMAL SCIENCE**

GRADE LEVE: 10-12

Prerequisite- Agriscience

CREDIT: 1 UNIT

This is a yearlong course where students will examine basic technology and knowledge in soil, meat, animal, food, and plant sciences. Students will learn through hands on and group activities. Students will demonstrate their ability and leadership development through FFA activities and Career Development Events.

### **HORTICULTURE**

GRADE LEVEL: 10-12

Prerequisite- Agriscience

CREDIT: 1 UNIT

This is a yearlong course where students will work in the classroom and greenhouse to explore the principles and practices involved in development, production and use of horticultural crops (vegetables, poinsettias, bedding plants, nursery plants, agronomy and floral plants). Students will learn and examine the horticulture industry, plant growth processes, plant structure, soils, weed, disease and pest control, general greenhouse practices, safety practices, and plant genetics. Student will learn through hands on and group activities both in the classroom and the greenhouse. Students will demonstrate their ability and leadership development through FFA activities and Career Development Events.

## DEPARTMENT OF ART

### **ART I**

Prerequisite: None

GRADE LEVEL: 9-12

CREDIT: 1 UNIT

This course is designed to get the students acquainted with the elements and principles of design. The elements and principles of design will be used as a verbal tool to help them to identify, analyze, describe, and react to an artwork, theirs or a reproduction. In this class the students will apply their creative potential in the studio areas of painting, drawing, printmaking, sculpture, ceramics, and crafts. They will view famous works of art, discuss artist and art styles, and make aware of art from their culture and from other cultures, past and present. This class is open to all students regardless of art experience or ability. Students will be required to keep a sketchbook. They will also start to build an art portfolio of all their work.

Elements of Design: line, color, value, shape, form, and texture.

Principles of Design: pattern/repetition, rhythm/movement, emphasis, balance, contrast, and unity.

The elements of design are what make up a painting, drawing, etc...and the principles of design is what we do to the elements of design.

### **ADVANCED ART**

Prerequisite: Art I

GRADE LEVEL: 10-12

CREDIT: 1 UNIT

This course encourages greater creativity and originality through more advanced projects. Fewer, but more complex projects will be expected in several studio areas. Students will focus on increasing skills and developing a personal expression in their work. This class is for the highly motivated art student. Students will be required to keep a sketchbook. They will also continue to build their art portfolio of their work.

## **DEPARTMENT OF BUSINESS**

### **ACCOUNTING I**

Prerequisite: None

GRADE LEVEL: 10-12

CREDIT: 1 UNIT

Accounting I is a course designed to help individuals make and understand economic decisions for themselves, their business, and their government.

Business activities touch the lives of everyone and through the study of accounting; one has the opportunity to learn the language and the problems of business. Accounting I also serves the important general education need in helping the student to discover whether he or she has interest in and aptitude for accounting as a profession. Much time is spent working problems and various practical practice sets may be worked on by the students at the option of the teacher. Through the use of practice sets, the students gain valuable experience in keeping a sample set of books for a business firm. Computer accounting applications are also completed in this course.

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### **ACCOUNTING II**

Prerequisite: Accounting I

GRADE LEVEL: 11-12

CREDIT: 1 UNIT

Accounting II is specifically vocational and a career oriented course. It is planned for the student who has one or more of the following objectives:

1. To become an accountant or accountant's assistant upon graduation from high school.
2. To go to college and to major in accounting, marketing, management, or some other phase of business administration.
3. To know more about business procedures and business records than can be learned in a first year accounting course.

### **ACCOUNTING III (IS)**

Prerequisite: Accounting II

GRADE LEVEL: 12

CREDIT: 1 UNIT

This is a continuation of the Accounting II course. Students will continue in the Accounting II text in the areas of budget accounting, manufacturing accounting, and

partnership accounting. If time allows, simulation work and introduction to accounting at the college level will be introduced to the students.

## **DEPARTMENT OF COMPUTER SCIENCE**

Computer technology is becoming one of the cornerstones of modern society. All students, whether college-bound or not, are encouraged to take at least one year of computer science prior to graduation. Students planning to attend college and major in science and/or math related areas are strongly encouraged to take two or more full years of computer science.

### **COMPUTER APPLICATIONS I**

Prerequisite: None

GRADE LEVEL: 9-12

CREDIT: 1 UNIT

With today's computer age upon us, the need for "keyboarding skills" is essential to becoming computer-age trained. A considerable amount of time will be spent on timed writings and drills to build both accuracy and speed. Word processing, spreadsheet, database, and graphics will be introduced in this course. Special emphasis will be placed on word processing applications to prepare students for both post-secondary use and high school keyboarding requirements at Hoxie High School. An introduction to spreadsheet, PowerPoint, Excel, and graphics applications will also be incorporated into the curriculum.

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### **COMPUTER APPLICATIONS II**

Prerequisite: Computer Applications I & Algebra I

GRADE LEVEL: 10-12

CREDIT: 1 UNIT

The primary objectives of Computer Applications II are to extend upon Computer Applications I and to introduce students to the computer applications of word processing, graphics processing, operating system, PowerPoint, desktop publishing, spreadsheets, and the Windows operating environment.

## **DEPARTMENT OF FAMILY AND CONSUMER SCIENCE**

### **ESSENTIALS OF FASHION APPAREL AND INT. DESIGN**

Prerequisite: None

GRADE LEVEL: 9-10

CREDIT: ½ UNIT

Essentials of Interior and Textile Design introduces students to and expands upon the various aspects of industry, conveying the commercial application of principles and elements of design, production processes, and maintenance techniques to meet the design needs of humans. This course will also provide a discussion and exploration of career opportunities in interior, textiles and set/exhibit design.

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**CAREER AND LIFE PLANNING**

Prerequisite: None

GRADE LEVEL: 9-10

CREDIT: 1/2 UNIT

Self-Management courses introduce students to the skills and strategies helpful in becoming more focused productive individuals. These courses typically emphasize goal-setting; decision making; managing time, energy, and stress; and identifying alternatives and coping strategies. They may also allow students to explore various career and lifestyle choices.

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**FAMILY STUDIES**

Prerequisite: None

GRADE LEVEL: 10-12

CREDIT: 1/2 UNIT

Family Living courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as social/dating practices, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, and the various stages of life. They may also cover topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner.

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**CULINARY ESSENTIALS**

Prerequisite: None

GRADE LEVEL: 10-12

CREDIT: 1/2 UNIT

These courses provide students with knowledge and skills related to sanitation and safety procedures, nutrition and dietary guidelines, food preparation (and quantity food production) and meal planning and presentation. It may also include skills as related to institutional and commercial food service, management and customer service

**HUMAN GROWTH AND DEVELOPMENT**

Prerequisite: None

GRADE LEVEL: 10-12

CREDIT: 1/2 UNIT

Human Growth and Development provide students with knowledge about the physical, mental, emotional, and social growth and development of humans from conception to old age, with a special emphasis on birth through school age. Course content will provide an overview of life stages, with a strong tie to prenatal and birth processes; fundamentals of children's emotional and physical development; and the appropriate care of children.

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**PERSONAL FINANCE**

Prerequisite: None

GRADE LEVEL: 10-12

CREDIT: 1/2 UNIT

Personal Finance course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the American economy.

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**COMMUNITY CONNECTIONS**

Prerequisite: None

GRADE LEVEL: 10-12

CREDIT: 1/2 UNIT

Community Connections courses provide community based/school based learning experiences mainly within the family and consumer sciences classroom. Learning goals are set by the student, teacher and community partners to create experiences and/or discussions to enhance the development of the 21st century skills (i.e. leadership, empathy, communication, problem solving, cooperation, critical thinking, and resource management) needed to be successful in human services/family and consumer sciences related careers.

**CAREER CONNECTIONS**

Prerequisite: None

GRADE LEVEL: 10-12

CREDIT: 1/2 UNIT

Career Connections courses provide human services/family and consumer sciences related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and/or discussions related to human services/ family and consumer sciences occupational technical skill

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**NUTRITION AND WELLNESS**

GRADE LEVEL: 10-12

Prerequisite: None

CREDIT: 1/2 UNIT

Health and Life Management courses focus as much on consumer education topics (such as money management and evaluation of consumer information and advertising) as on personal health topics (such as nutrition, stress management, drug/alcohol abuse prevention, disease prevention, and first aid). Course objectives include helping students develop decision-making, communication, interpersonal, and coping skills and strategies.

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**INTERIOR DESIGN**

Prerequisite: None

GRADE LEVEL: 10-12

CREDIT: 1/2 UNIT

Interior Design examines special topics in interiors that meet the needs of humans now and projected in the future. Students design efficient living areas, learn aspects of color and design. Topics include sustainable design, shelter for diverse populations (such as aging, special needs, etc.) and how interior design trends are developed.

**DEPARTMENT OF FOREIGN LANGUAGE**

**FRANCAIS I (FRENCH I)**

Prerequisite: None

GRADE LEVEL: 9-12

CREDIT: 1 UNIT

The main goal of foreign language study is to learn to express oneself freely and effectively in that language. The objectives of an effective language course must encompass all language areas, i.e., comprehending, speaking, reading, and writing the language, as well as understanding the culture. The emphasis must be on the oral skills.

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**FRANCAIS II (FRENCH II)**

Prerequisite: French I

GRADE LEVEL: 10-12

CREDIT: 1 UNIT

The main goal of foreign language study is to learn how to function freely and effectively in the target language. The objectives of an effective language course must emphasize all language areas, i.e., comprehending, speaking, reading, writing the language, and understanding the culture. The overall program must meet the individual student's needs and interests and help him to function totally in the language. The primary emphasis of second-level language instruction must continue to be on the oral skills. Adequate

considerations must also be given to the important areas of in-depth reading, composition, and cultural awareness.

**SPANISH I**

Prerequisite: None

GRADE LEVEL: 9-12

CREDIT: 1 UNIT

The main goal of foreign language study is to learn to express oneself freely and effectively in that language. The objectives of an effective language course must encompass all language areas, i.e., comprehending, speaking, reading, and writing the language, as well as understanding the culture. The emphasis must be on oral skills.

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**SPANISH II**

Prerequisite: Spanish I

GRADE LEVEL: 10-12

CREDIT: 1 UNIT

The main goal of the foreign language study is to learn how to function freely and effectively in the target language. The objective of an effective language course must emphasize all language areas, i.e., comprehending, speaking, reading, writing the language, and understanding the culture. The overall program must meet the individual student's needs and interests and help him to function totally in the language. The primary emphasis of second-level language instruction must continue to be on the oral skills. Adequate consideration must also be given to the important areas of in-depth reading, composition, and cultural awareness.

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**DEPARTMENT OF INDUSTRIAL TECHNOLOGY**

**DRAFTING TECHNOLOGY**

Prerequisite: None

GRADE LEVEL: 10-12

CREDIT: 1 UNIT

Drafting Technology is designed to offer the students a beginning course dealing with the fundamentals of drafting, such as lettering; the different views, methods, tools and machines used in drawing; and the relationship of drawing to industry. The basic fundamentals of handling the drawing tools, proper line qualities and correct placement of views are highly stressed. The CAD program will be introduced during the last nine weeks.

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**WOOD TECHNOLOGY I**

Prerequisite: None

GRADE LEVEL: 9-12

CREDIT: 1 UNIT

Wood Technology I is designed to offer the students a beginning course dealing with woods, hand tools, and power machines related to the woodworking industry. A special emphasis is placed on the safe and proper use of hand tools and machines. One large project is to be completed during the year. This course will also offer students the opportunity to express creativity within the various projects.

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**ADVANCED WOOD TECHNOLOGY**

GRADE LEVEL: 10-12

Prerequisite: Successful completion of Wood Technology I CREDIT: 1 UNIT

Advanced Wood Technology is designed for a more detailed exploration of the various phases of woodworking. The student is expected to design, plan, construct, and finish projects of his own choosing. These projects should encompass various woodworking activities, which are more complex than those of Wood Technology I. The class is designed for the student who wants to further his industrial technology education. Emphasis is placed on the use of different kinds of joints and finishes.

**DEPARTMENT OF LANGUAGE ARTS**

In order to graduate from high school a student must have earned four English credits. Every student is required to take English I, II, III, IV or College Prep.

**ENGLISH I**

GRADE LEVEL: 9

Prerequisite: None

CREDIT: 1 UNIT

Students will review the parts of speech and parts of the sentence; study phrases; and review and learn literary terms through the study of short stories, a novel, a play, and/or poetry. The Six-Trait Writing Model will be used in writing assignments, including a cross-curricular project with Physical Education/English I/Computers I. Library resources will be introduced and reviewed in a high school introductory library unit, involving studying and experiencing the various sources and parts of the library. Students will study freshman level vocabulary.

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**ENGLISH II**

Prerequisite: English I

GRADE LEVEL: 10

CREDIT: 1 UNIT

Students will review parts of the sentence and phrases, and study clauses and grammar usage. The Six-Trait Writing Model will be used in writing assignments. Students will study oral communication and public speaking and present two to four speeches, using library research for at least one speech. Word and phrase origins will be studied in a mythology unit. Students will study sophomore level vocabulary.

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**ENGLISH III**

Prerequisite: English II

GRADE LEVEL: 11

CREDIT: 1 UNIT

In English III, students will survey the writings of major American authors from the Colonial Period through the twentieth century; the course will include the study of several American novels. Additionally, students will study the grammatical structure of the English language, learn the principles of expository and persuasive writing, gain experience in writing the essay, and improve their vocabularies through specific vocabulary studies.

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**ENGLISH IV**

Prerequisite: English I, II, III

GRADE LEVEL: 12

CREDIT: 1 UNIT

Since the class is offered to students who may be going on to college as well as those who plan to enter the job market, the content will review skills needed for either career choice. The curriculum will focus on:

1. essay structure and development,
  2. grammar, usage, and sentence structure, which have shown up as weaknesses in essays,
  3. resume' writing,
  4. reading and evaluation of short stories,
  5. reading and evaluation of novels,
  6. continued development of vocabulary, and
  7. continued development of critical reading and thinking skills.
-

## COLLEGE PREPARATORY ENGLISH

GRADE LEVEL: 12

Prerequisite:

CREDIT: 1 UNIT

1. Demonstrated competency in expository writing and critical thinking.
2. Grade of "B" in English III.

College Preparatory English is offered to college-bound seniors who have met prerequisites. The course is designed to (1) enhance written communication skills; (2) emphasize vocabulary development and critical thinking; (3) provide a survey of English literature from the Anglo-Saxon period to the twentieth century; (4) improve critical reading skills.

The fall semester will include the Comp. I curriculum to meet dual credit with Colby Community College. All students will complete the curriculum, but only those who enroll and pay for three hours of CCC credit will receive the dual credit. Comp. I units of study are structured around the five essay assignments to include

- **Narration:** writing about a personal experience and how it impacted your life; this should include what you learned from the experience.
- **Description:** using sensory and figurative language to describe a place or scene plus create a key impression or mood.
- **Exposition:** writing classification and definition essays to inform and/or entertain the reader.
- **Critique:** summarizing, responding to and evaluating an article on a controversial issue.

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## JOURNALISM I – YEARBOOK

GRADE LEVEL: 11-12

Prerequisite:

CREDIT: 1/2 OR 1 UNIT

1. Basic writing skills demonstrated through writing sample and application.
2. "B" average in English classes.

**NOTE: Instructor may limit class size due to equipment availability.**

Students will compile the Hoxie High School yearbook *The Winter Count*. This will include planning yearbook theme ideas, section ideas, drawing page layout using computer technology and software, taking photos with a 35 mm camera, cropping photos using computer technology, writing captions and stories for yearbook layouts, interviewing students and staff, learning journalistic writing and style.

Students in journalism **MUST** be willing to commit themselves to covering school events, which will require **EXTRA TIME OUTSIDE OF CLASS**. Assignments will include covering sporting events, plays, concerts, club meetings and events, etc. These assignments will be divided among class members. This course will require the desire to

develop good writing skills, the initiative to find creative ideas for the yearbook and for photographs, the initiative to meet deadlines, and the responsibility to report events accurately. Students must be able to work cooperatively in large and/or small groups.

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**JOURNALISM II - YEARBOOK**

Prerequisite: Journalism I

GRADE LEVEL: 12

CREDIT: 1/2 OR 1 UNIT

Students will continue the activities from Journalism I. In addition, the following opportunities and responsibilities are available:

**Yearbook Editor:**

Oversee all aspects of the yearbook.

**Section Editor:**

Oversee reporters/photographers and planning for one section of the yearbook.

**Business Manager:**

Oversee the finances for yearbook, in charge of advertisements, billing, and book orders.

**Photo Editor:**

In charge of organizing all photo files.

**GROUP II: SPEECH ORIENTED**

**DEBATE:**

Prerequisite: None

GRADE LEVEL: 9-12

CREDIT: 1/2 UNIT

Students enrolled in debate will study the structure, terminology, and techniques of academic debate. Students will research and participate in discussion about the current debate topic and will write an affirmative plan and develop negative files. Speaking skills needed in plan presentation will also be practiced. Students must participate in at least three debate tournaments during the course of the year and will also help plan and run the Hoxie Invitational Debate Tournament (if one is held).

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**FORENSICS**

GRADE LEVEL: 9-12

Prerequisite: None

CREDIT: 1/2 UNIT

Students enrolled in forensics will select, cut, and prepare at least three works to present at forensics contests. At least one of the three works must be a reading, one must be an acting event, and one must be an original presentation. Students must participate in a minimum of three contests over the course of the semester. Possible presentations will include prose, poetry, humorous solo, serious solo, duet acting, improvisational duet acting, dramatic interpretation, original oration, extemporaneous speaking, and informative speaking. Students will also help plan and run the Hoxie Invitational Speech Tournament (if one is held).

### DEPARTMENT OF MATHEMATICS

In order to meet requirements for graduation from Hoxie High School, students must successfully complete two (2) units of mathematics, one to be one (1) unit of Algebra, unless waived by the principal because of special circumstances.

All students planning to go to college should take a minimum of three (3) years of mathematics including: Algebra, Geometry, and Advanced Algebra. In addition, students who are thinking in terms of future college work in mathematics, science, and/or business areas should take four (4) full years of mathematics, including Analysis (Senior Math).

The normal college-bound sequence:

- Freshman year-----Algebra
- Sophomore year-----Geometry
- Junior year-----Advanced Algebra
- Senior year-----Analysis

#### PRE-ALGEBRA

Prerequisite: Basic Math Competency  
Teacher Recommendation

GRADE LEVEL: 9  
CREDIT: 1 UNIT

Pre-Algebra is set up to be an individualized/teacher-led class of basic math concepts. To introduce beginning skills, and review skills needed for Algebra. Topics of study include: one variable, two variable equations, word problems, fractions, integers, percents and ratios, plane geometry, and basic graphing. The class intends to make the transition from basic math to Algebra a smooth one based on individual student needs.

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**ALGEBRA**

Prerequisite: Basic Math Competency  
Teacher Recommendation

GRADE LEVEL: 9-10

CREDIT: 1 UNIT

The primary objectives of Algebra are to introduce students to positive and negative numbers, powers, and roots, variables and variables expressions, equations and inequalities, the solution of equations and inequalities, and coordinate systems.

**GEOMETRY**

Prerequisite: Algebra

GRADE LEVEL: 10-12

CREDIT: 1 UNIT

Geometry will include the study of the following concepts: study of circles, polygons with emphasis on triangles and quadrilaterals, two column and indirect proofs, constructions, measurement geometry, coordinate geometry, and transformations.

**SURVEY OF MATH**

Prerequisite: Algebra

GRADE LEVEL: 11-12

CREDIT: 1 UNIT

The objective of this course will be to extend and review concepts covered in Algebra, to prepare students for Geometry, and to apply math skills. The course will be an exploration into a variety of areas including algebraic concepts, geometric concepts, statistical concepts and business math. Topics will include but are not limited to: solving equations, graphing equations, probabilities, investing money, budgeting and other business math applications.

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**ADVANCED ALGEBRA/TRIGONOMETRY**

Prerequisite: Algebra and Geometry

GRADE LEVEL: 11-12

CREDIT: 1 UNIT

The primary objectives of Advanced Algebra are to review and to extend the basic concepts of Algebra. Topics of study include: equations and inequalities, complex numbers, trigonometry, sequences, rationale algebraic expressions, and functions

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**ANALYSIS (SENIOR MATH):**

Prerequisite: Algebra, Geometry, Adv. Algebra/Trigonometry

GRADE LEVEL: 11-12

CREDIT: 1 UNIT

The primary objectives of Analysis are to review and extend concepts of Advanced Algebra and to introduce students to the principles of Calculus. Topics of study include: polynomial equations, limits, the derivative of a function, and integrals

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**CALCULUS**

Prerequisite: Analysis

GRADE LEVEL: 12

CREDIT: 1 UNIT

The course of study will include: a review of algebraic fundamentals, functions, limit, tangents and rate of change, the derivative, techniques and applications of the derivative, antiderivatives and integrals.

**DEPARTMENT OF MUSIC**

**BAND**

Prerequisite: None

GRADE LEVEL: 9-12

CREDIT: 1 UNIT

Students must be able to play a woodwind, brass or percussion instrument. Students desiring to join the band who do not presently play an instrument may talk with the instructor about taking lessons during the summer.

Band is offered as a performing instrumental music organization. Included in the band's offerings are: marching band (fall), concert band (winter and spring), and the pep band (fall and winter). The marching band performs at all home football games and for the alumni parade and usually makes one trip during the fall quarter. The concert band performs concerts (3-4) during the winter quarter and the spring semester, and then participates in the KSHSAA State Music Festival in April. Music is selected from the classical through the present day, with the emphasis during marching band on the pop tunes of the past few years. The pep band is a select group from within the marching and concert bands, which performs at all home basketball games and other events as selected by the director. Members may also be involved in the production of a musical play.

**Because this is a performing group, attendance at all concerts and contests is mandatory.**

**CHOIR**

Prerequisite: None

GRADE LEVEL: 9-12

CREDIT: 1 UNIT

Choir is offered as a performing vocal music organization. It will present three or four concerts during the school year and participate in the State Music Festival in the spring.

Music ranging from the classical to popular will be used in learning: good vocal/choral tone production, blend, breathing, intonation and sight-reading. **Because this is a performing group, attendance at all concerts and contests will be mandatory.**

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**POPS CHOIR**

Prerequisite: Permission of instructor

GRADE LEVEL: 9-12

CREDIT: None

Pops Choir is a select vocal group for the purpose of performing a pop music program for school and civic functions. Selection to this group will be based upon audition. Emphasis will be placed on good vocal/choir tone production, breathing, blend, intonation, sight-reading, and choreography. **BECAUSE THIS IS A PERFORMING GROUP, ATTENDANCE AT ALL CONCERTS WILL BE MANDATORY.** As Pops Choir is not a part of the class schedule, it will be necessary to rehearse either before school or after school at the convenience of the director and students. If there are not enough interested students or if no set schedule for rehearsal time can be arranged, there will be no Pops Choir.

**DEPARTMENT OF PHYSICAL AND BIOLOGICAL SCIENCE**

**PHYSICAL SCIENCE**

Prerequisite: None

GRADE LEVEL: 9

CREDIT: 1 UNIT

The principles, theories and assumptions that guide our understanding of the world and universe are explored in this course. Physics, chemistry, mathematics are just some of the major topics that help students comprehend the processes that shape every aspect of the universe.

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**BIOLOGY**

Prerequisite: Physical Science

GRADE LEVEL: 9-11

CREDIT: 1 UNIT

Biology I is a course designed for students planning to attend college. It will prepare the student for one or several biology classes. The subject matter to be discussed is as follows: history of biology, botany, anatomy, physiology, genetics, microbiology, ecology, and zoology. This class also contains laboratory experiments dealing with the subject matter.

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**CHEMISTRY**

GRADE LEVEL: 11-12

Prerequisite: Algebra

CREDIT: 1 UNIT

Chemistry includes the study of the composition of matter and the changes in composition which matter undergoes. The investigative approach is one of the objectives of the course. Any student interested in science, engineering, or medicine should consider this course.

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**PHYSICS**

Prerequisite: Algebra I, Geometry, Adv. Algebra

GRADE LEVEL: 11-12

CREDIT: 1 UNIT

Physics is a physical science dealing with matter and energy. It is designed for those students interested in science or engineering. The areas of study include: motion, mechanics, heat, light, and sound with the main emphasis on motion and mechanics. Experiments related to those areas are conducted. Any students planning to attend college should consider this course.

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**ADVANCED BIOLOGY**

Prerequisite: Biology

GRADE LEVEL: 11-12

CREDIT: 1 UNIT

Advanced Biology is the study of the structure and function of the organ systems of the human body and how these systems work together to produce a coordinated, smooth-working living organism.

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**EARTH & SPACE SCIENCE**

Prerequisite: Physical Science

GRADE LEVEL: 10-12

CREDIT: 1 UNIT

Earth and Space Science combines the essential elements of the college preparatory curriculum with effective learning and problem-solving strategies to enable the learner to perform tasks within technical fields. The student is presented with the fundamentals of science that one needs for careers in technology and industry using activities that relate to work and other life experiences.

**DEPARTMENT OF PHYSICAL EDUCATION AND HEALTH**

**9<sup>th</sup> PE and Health**

GRADE LEVEL: 9

Prerequisite: Physical by a doctor

CREDIT: 1 UNIT

**NOTE: All incoming freshmen must take PE/Health during their freshman year.**

This course is designed to provide young adults with the knowledge and skills needed to engage in a physically active, healthy lifestyle throughout life. Three areas of focus in the course include:

1. health-related fitness
2. lifetime physical activity
3. health/wellness concepts and skills.

The course is intended to meet the Kansas State Board of Education's graduation requirement for one unit of physical education, of which one-half may be health education.

**COURSE OUTCOMES:**

As a result of participation in this course, students will be able to:

- 1) Assess and interpret personal health/fitness status in order to design, implement and evaluate a personal health/fitness plan for developing and maintaining a physically active, healthy lifestyle.
- 2) Analyze current health/fitness issues impacting youth and adults.
- 3) Demonstrate effective use of personal and social skills to enhance health/fitness behavior.
- 4) Develop the motor competency to utilize a variety of physical activities to engage in a healthy lifestyle.
- 5) Display consideration and respect for differences among various individuals.

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**PERSONAL STRENGTH AND CONDITIONING**

GRADE LEVEL: 10-12

Prerequisite:

CREDIT: 1/2 OR 1 UNIT

1. Physical by a doctor.
2. Passing grade in Physical Dimensions.
3. Permission of instructor.

This course is designed to provide the students with the skills and knowledge to utilize strength equipment and to increase the students' knowledge about fitness concepts.

**COURSE OUTCOMES:**

1. Understand basic principles and techniques of lifting weights safely and correctly.
2. Describe the differences between different types of strength development programs.
3. Compare the advantages and disadvantages of various types of strength development programs.
4. Design a personal weight-training program.
5. Identify the muscle groups associated with different types of lifts.

## **DEPARTMENT OF SOCIAL SCIENCE**

### **AMERICAN GOVERNMENT**

Prerequisite: American History

GRADE LEVEL: 12

CREDIT: 1 UNIT

One semester of this course will present the theory and formal structure of our American Government. Each of the branches of our national government will be analyzed in the following areas: duties and powers, structure, current members and change. Other topics studied include: the Constitution, Federalism, the electoral process, voter behavior, and state and local government. Included in this course are role-playing and a mock trial.

During the semester of this course, students will explore the economic aspects of government. Students will understand how the actions of government affect them personally, such as in taxes and interest rates. Basic economic principles will be mastered.

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### **AMERICAN HISTORY**

Prerequisite: World History

GRADE LEVEL: 11

CREDIT: 1 UNIT

Beginning with the Civil War, this course traces U.S. history from 1865 to the present. By use of texts, workbooks, videos, slides, plays, etc., American politics, foreign affairs, economic developments and domestic lifestyles are studied and analyzed.

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### **WORLD HISTORY/ 10<sup>th</sup> HISTORY**

GRADE LEVEL: 10

Prerequisite: None

CREDIT: 1 UNIT

The major purpose of this course is to make available to high school students a survey of world history that will make them understand their own times. The complicated problems facing the world today cannot be understood without a working knowledge of what has gone before.

In the first semester, emphasis will be placed on Medieval History - 475 A.D. to 1500 A.D. In the second semester, emphasis will be placed on Modern History - 1500 A.D. to the present time. World War I, World War II, and the Cold War, etc. will be taught in World History.

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### **CURRENT EVENTS**

Prerequisite: None

GRADE LEVEL: 9-12

CREDIT: 1 UNIT

Current Events students will follow the news by viewing CNN broadcasts, Dateline NBC, and other news programs. Student news publications (UPFRONT and Teen Newsweek) will be used as supplements. Daily class discussions and a weekly internet activity (CNN.Com) will be included. Current Events students will work on mini-projects throughout the year, including legislative research projects with our elected Senators and Representatives. Student created PowerPoint programs will be included in the course.

### **DEPARTMENT OF SPECIAL EDUCATION**

#### **SPECIAL EDUCATION**

Prerequisite: There is no prerequisite, but certain State Department of Education requirements must be met prior to enrollment.

This class is primarily designed for the student who will be seeking employment upon graduation and not further formal education. Therefore, the class is designed to round out academic skills and broaden the scope of other skills necessary for appropriate adjustment to society after graduation. In this course, achievement and improvement are stressed - not grades. Eight basic resource areas are covered. These areas and a short description of each are as listed below:

**COMMUNICATION:** This involves improving the use of all communication skills such as listening, speaking, viewing, reading, and body language.

**INDIVIDUAL & COMMUNITY HEALTH:** The goal here is to find and use methods of promoting good personal and community physical health.

**LEISURE TIME ACTIVITIES:** This course helps develop appropriate and economical use of leisure time. It involves all kinds of recreation and hobbies.

**MANAGEMENT OF FINANCES:** All areas of personal management of finances and some retail business skills are the concerns of this course. Math skills necessary to handle these problems are also covered.

**PERSONAL AND FAMILY WELFARE:** This covers family relationships, sex roles, human growth and development, sex education, home safety, home living skills, improving family mental health, marriage, and other related areas.

**RULES, REGULATIONS, AND LAWS:** Social mores, local, state, and federal laws are covered in this course. Common sense rules about behavior, safety, etc., are also covered.

**SPATIAL ORIENTATION AND TRAVEL:** This involves being aware of and relating oneself to the world around you.

**WORLD OF WORK AND EMPLOYMENT:** This involves learning the skills necessary for acquiring and holding a job. Some actual job skills are practiced in class, such as working with wood. It also involves pre-work study and a work-study program; i.e., spending part of the school day on the actual job situation.

Other areas that may or may not be included in the earlier mentioned areas are:

- (a) **BASIC SKILLS:** Emphasis on increasing student performance in the various areas of language arts and math. Course titles would be Basic Skills: English and Basic Skills: Math.
- (b) **COMPENSATORY SKILLS:** Emphasis on by-passing or compensating for learning difficulties through utilization of strengths; audio equipment or techniques may be used for older reading-disabled students.
- (c) **FUNCTIONAL SKILLS:** Emphasis on equipping students to function in society. Focus of instruction is on consumer information, money skills, life-care skills, etc. Course titles would be Functional Skills: Consumer Math; Functional Skills: Independent Living Skills; Functional Skills: Economics, etc.
- (d) **LEARNING STRATEGIES:** Emphasis on equipping students with techniques that will facilitate acquisition and retrieval of information across situations and settings.

- (e) **SOCIAL/EMOTIONAL SKILLS:** Emphasis on positive social interaction and coping; self-management of behavior, self-concept development, and realistic expectations.
  - (f) **VOCATIONAL/WORK STUDY:** Emphasis on providing students with the knowledge, skills, and attitudes required to make work a productive and meaningful part of life. This may involve formalized training designed to prepare students to work in a specific occupation. Course title would be Vocational/Work Study: Pre-Vocational Training.
  - (g) **LIFE SKILLS CURRICULUM:** Emphasis on providing the student with a functional base in the special areas of local, Kansas, and national government, in Kansas, American, and World History which will enable the student to understand and function in society. Course titles would be Life Skills: American History; Life Skills: World History; Life Skills: American Government; Life Skills: Kansas History, etc.
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## **GIFTED PROGRAM**

**GRADE LEVEL: 9-12**  
**CREDIT: 1/2 OR 1 UNIT**

Prerequisite: Acceptance into the gifted program is based on state requirements, which include test data and recommendation of parents, teachers, peers, and self.

The objectives of this program are:

1. to stimulate and motivate the student's interests, talents, and abilities.
2. to encourage self-direction and growth.
3. to offer opportunity for independent studies.
  - a. for high school credit
  - b. for college credit
4. to offer opportunity for acceleration when appropriate.

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## NON-DEPARTMENTAL CLASSES

### **DRIVER EDUCATION**

Prerequisite: Student must be 14 years of age

GRADE LEVEL: 9-12

CREDIT: 1/4 CREDIT

Drivers Education refers to those learning experiences provided for the purpose of helping students learn to use a vehicle safely. These learning experiences are divided into two phases:

Phase 1: Classroom instruction

Phase II: Behind-the-wheel instruction

Students will be expected to pass basic competencies in both phases of training in order to successfully pass this course

**NOTE: THIS COURSE IS OFFERED ONLY IN THE SUMMER.**

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### **ELEMENTARY TEACHER AIDE**

Prerequisite: Signed approval of Grade School Principal  
3.0 GPA

GRADE LEVEL: 12

CREDIT: 1/2 OR 1 UNIT

A student may become a teacher's aide by applying to and having the approval of the grade school principal. The student aide shall do numerous activities as directed by the teacher which may include but are not limited to: working with students in small groups or on an individual basis, bulletin board projects, art projects, sorting and counting worksheets, grading papers, averaging grades, record keeping, and copying materials.

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### **HIGH SCHOOL TEACHER AIDE**

Prerequisite: Permission of Teacher  
Signed approval of High School Principal  
3.0 GPA

GRADE LEVEL: 12

CREDIT: 1/2 OR 1 UNIT

A student may become a teacher's aide by applying to and being accepted by a teacher and having the approval of the high school principal. The student aide shall do numerous activities as directed by the teacher which may include but are not limited to: working with students in small groups or on an individual basis, bulletin board projects, sorting and counting worksheets, grading papers, averaging grades, record keeping, and copying materials.