

Newkirk High School Course Catalog



2020-2021

NEWKIRK HIGH SCHOOL

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CURRICULUM – COURSE OFFERINGS 2020-2021

The information provided in this book is meant to assist each student in selecting the courses for the upcoming school year.

All courses listed in this book are **NOT** guaranteed to be offered. The final master schedule will be determined based on enrollment.

GRADUATIONS REQUIREMENTS: 24 CREDITS

REQUIRED for COLLEGE PREP CURRICULUM:

- 4 units English
- 3 units Mathematics (Including Algebra 1) Students **must** take 3 units of Math in **grades 9-12**
- 3 units Science (including Biology **AND 1 of the following**: Physical Science, Chemistry, or Physics)
- 3 units of History (OK History-freshmen; Government-sophomores; US History-juniors)
- 2 units of Computers **OR** World (Foreign) Language
- 1 unit of an **Additional Core** course (choose from subject areas above, **cannot** be a course that is already required)
- 1 unit Fine Arts
- Elective courses to equal the 24 total credit requirements for Newkirk High School.

See the School counselor for Core Curriculum requirements. (Requires parent signature)

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ENGLISH 1

PREREQUISITE: Freshmen

English 1 is a skills-based course that introduces the student to the literacy skills needed to be a successful communicator in high school: reading, writing, listening/speaking and research. Emphasis is placed on approaching reading and writing as processes. Expository, narrative, descriptive and persuasive writing will be addressed. Research will be integrated throughout the course and students will be required to develop, research, and write a research paper during the first semester. Students will read and respond to literature concerning self-exploration and cross-curricular studies. The student will read, analyze, and write in response to literary works read in class, as well as individual novels selected for personal reading. Vocabulary instruction includes the study of Greek and Latin roots, prefixes, and suffixes throughout the year.

HONORS ENGLISH 1

PREREQUISITE: Freshmen. Reading on or above grade level. One of the following: A or B previous year or gifted.

Honors English 1 is a course designed specifically to prepare students for advance placement (AP) classes, which will allow them to earn college credit while still in high school. Students will focus on building close-reading skills, using reading and processing strategies to think through poetry and prose, and developing skills for composing literary analysis. Students will participate in comprehensive discussions of literature referring to literary devices, terms, and techniques and on an author's craft, purpose, agenda, or intent. Students will learn how to write critically and analytically about prose and poetry, using textual evidence to support their claims and making appropriate choices based on rhetorical situations. **Students who have pre-enrolled in the course will receive a summer reading packet to complete before the beginning of the new school year.**

ENGLISH 2

PREREQUISITE: Sophomores

English 2 is the study of writing and reading. The writing curriculum will expand skills in both the functional and creative forms moving from paragraph writing into essay writing. The English 1 portfolio will follow the student with demonstrated examples of essay writing. Reading instruction will continue with the literary selections increasing in maturity. Selections will include short stories, poetry, novels, and a Shakespearean play. Students will also focus on vocabulary to enhance communication. Homework is to be expected.

HONORS ENGLISH 2

PREREQUISITE: Sophomores. Honors English 1, reading on or above grade level. One of the following: A or B previous year or gifted.

Honors English II will continue to build upon the foundation set from Honors English I, and introduce students to the types of skills, terminology, and literature that will prepare them for success in the AP English Language and Composition III course during their junior year. This course focuses heavily on skills needed to analyze and write about various types of prose and poetry. It will include a wide range of texts—short stories, nonfiction, essays, novels, and images—designed to build the skills needed to challenge the student in preparation for college. Students will participate in comprehensive discussions of literature referring to literary devices, terms, and techniques and on an author's craft, purpose, agenda, or intent. Students will learn how to write critically and analytically about prose and

poetry, using textual evidence to support their claims and making appropriate choices based on rhetorical situations.

Students who have pre-enrolled in the course will receive a summer reading assignment packet to complete before the beginning of the new school year.

ENGLISH 3

PREREQUISITE: Juniors

English 3 is the study of writing and reading. The writing curriculum will expand skills to include an intense study of grammar and usage. An investigation of American literature will include short stories, poetry, and novels and their relationship to the historical movement and/or culture of the time. Book reports will be required. Vocabulary will continue to be studied. Homework is to be expected. Emphasis will be placed upon material in preparation for the ACT entrance exam for college and some vocational schools.

AP ENGLISH 3

PREREQUISITE: Juniors. English 2 or Honors English 2, reading on or above grade level. One of the following: A or B previous year or gifted.

AP English Language and Composition is a college-level writing course and will follow the course requirements described in the AP Language and Composition Course Description published by the College Board. Students will read works of exceptional craft and thought whose range extends across genres; write to assert and defend claims, to show what they know about a subject, and to convey what they have experienced, imagined, thought, and felt; take part in a variety of rich, structured conversations in both large and small groups; and develop firm control over the conventions of standard English. The workload is challenging and places a high level of expectation on student performance. Due to the nature of the course and many of the projects and assigned readings, students must be able to organize time wisely, both in and outside of class. Students will be expected to read and write daily, review notes, practice acquired skills, contribute to class discussions, and participate in group activities.

Sophomores enrolling in the course will receive a summer reading assignment packet to complete before the fall semester begins.

ENGLISH 4

PREREQUISITE: Seniors

English 4 is the study and review of skills in composition and grammar. This course will not only emphasize mechanics and sentence construction within essay writing, but will require each student to conduct research. Literary selections will include British literature (poetry and short stories) and a Shakespearean play studied within the historical context and literary movements of the periods. Book reports will be required for fiction and nonfiction. Vocabulary will continue to be studied. Homework is to be expected. Emphasis will be placed upon material in preparation for the ACT exam and college writing.

ALGEBRA 1

PREREQUISITE: Freshmen

Algebra I is the use of equation systems in solving mathematical problems. It is the foundation for all higher mathematics. The course consists basically of teaching the equation system and learning to apply the arithmetic operations to equations. Also included are the study of coordinate graphs and their basic application to problem solving.

PLANE GEOMETRY

PREREQUISITE: Algebra 1

Plane Geometry provides an introduction to basic geometry topics including language, classification and properties of polygons, congruence, similarity, parallel lines, area and volume, right triangle trigonometry and coordinate geometry. This course uses an informal approach, which is not dependent on formal geometric proof. **NOTE: this course will continue to count as a math credit, but it is NOT included in the college preparatory curriculum.**

GEOMETRY

PREREQUISITE: Algebra 1

Geometry is the science of figures. It is a study of points, lines, angles, polygons, circles, right triangles, and coordinate systems. Students will be asked to reason, justify, prove, define, apply, and explain theorems about these topics. This course will help students understand different properties of figures and develop their logical thinking skills. Emphasis will be placed on enhancing knowledge of properties by asking students to justify and prove hypotheses about different properties.

INTERMEDIATE ALGEBRA

PREREQUISITE: Algebra 1 and Plane Geometry

A bridge between Algebra 1 and Algebra 2, this course reviews and expands on linear equations, factoring, and systems of equations and inequalities. Students will also review and expand on geometric concepts. **NOTE: this course will continue to count as a math credit, but it is NOT included in the college preparatory curriculum.**

ALGEBRA 2

PREREQUISITE: Algebra 1 and Geometry

Algebra 2 prepares students to take Pre-Calculus and Statistics. A major goal of this course is for students to develop skills in manipulating and solving linear, quadratic, exponential, polynomial, radical, rational, and logarithmic equations. Topics include linear functions, systems, polynomial functions, rational expressions, powers, roots, radicals, quadratics, exponential and logarithmic functions, and inverse functions with an introduction to trigonometry.

TRIGONOMETRY / PRE-CALCULUS

PREREQUISITE: Algebra 2

Trigonometry is the study of triangles and their properties, and how they apply to solving problems. Through study, the student will review and use all the concepts learned in Algebra and combine them with the concepts of Trigonometry. Pre-Calculus is a thoughtful introduction to advanced studies leading to calculus. The course leads students through an advanced study of trigonometric functions and their identities, vectors, conic sections as well as topics extended from previous studies. Emphasis will be placed on enhancing knowledge of functions by making graphing connections and interpretations.

PHYSICAL SCIENCE

PREREQUISITE: Freshmen

Physical Science is the study of matter and energy. Here are two branches of physical science: Chemistry and Physics. This course is a basic survey of both. Students perform laboratory exercises using simple equations applied to data gathered about laws of motion and energy. Basic chemical reactions and equations applied to everyday situations are used. Some Earth science principles such as weather and space are addressed.

BIOLOGY 1

PREREQUISITE: Sophomores

Biology 1 is the study of the living world and its interaction with the environment. Life is studied from the biosphere to the molecular level. Emphasizes important biological concepts and principles common to all living organisms. Integrates laboratory and classroom work. Critical thinking skills are stressed.

ENVIRONMENTAL SCIENCE

PREREQUISITE: None

Environmental science is the study of patterns and processes in the natural world and their modification by human activity. This course will survey some of the many environmental science topics at an introductory level, ultimately considering the sustainability of human activities on the planet.

ANATOMY & PHYSIOLOGY (A & P)

PREREQUISITE: Biology 1

Anatomy/Physiology is a study of the structure and function of the human body. This course is good for preparation for advanced biological studies, medical careers, and other science based careers, but is also very important for being a good self-advocate patient and understanding how our bodies work and what is happening when they go wrong.

CHEMISTRY 1

PREREQUISITE: Biology 1, and current enrollment or completion of Algebra 2

Chemistry is the study of the composition, properties, and structure of substances and the changes they undergo. Matter is studied from the atomic level to the molecular level. Laws of matter and energy are included. Students will learn to use the Periodic Table of elements along with representing chemical formulas and equations. Lab work includes combining chemicals to form reactions between substances and observing some limiting factors of reactivity. The ability to do mathematical computations with a scientific calculator is required in this course.

CHEMISTRY 2

PREREQUISITE: Chemistry 1

Background in chemistry and associated calculations will be assumed. Labs will concentrate on analysis of observed data and discovery of unknowns. Acids and bases, molarity, chemical equilibrium, organic chemistry, and more are explored in depth.

PHYSICS

PREREQUISITE: Chemistry 1

Students cultivate their understanding of physics through classroom study, in-class activities, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves.

GEOGRAPHY / OKLAHOMA HISTORY

PREREQUISITE: Freshman

Semester 1: Geography / Semester 2: OK History

Geography familiarizes students with the world using the five geographic themes and essential elements. Students should develop skills and knowledge about location, place, human/environmental interaction, movement, and regions. The course should compare and contrast these themes across all continents.

Oklahoma History is a survey of the history of Oklahoma from the time of early exploration to the present. The course will analyze the social, cultural, economic, and political development of Oklahoma, including important individuals and groups who have influenced the development of the state. The class also will describe the movement from territory to statehood and the development and the role of Native Americans in Oklahoma.

U. S. GOVERNMENT

PREREQUISITE: Sophomores

American Government is a survey of the American political system. The course will analyze how the political process affects the individual and identify the rights and responsibilities of a United States citizen. It will also describe the characteristics of local, state, and national government; how they compare to other political systems; and how the American political process works

U.S. HISTORY

PREREQUISITE: Juniors

American History is a survey of American History from the Post Civil War Era through present day. This course will quickly review events from Reconstruction through World War I, which are covered in Early American History; events from World War I to present day will be covered in more detail and will be the focus of this course. The course will examine the major events and personalities that helped shape the nation, as well as American foreign policy and the role of the United States in the world.

WORLD HISTORY

PREREQUISITE: None

World History will analyze the major conflicts, events and contributions of individuals, as well as the world's major economic and political systems. The course will also describe the events that have shaped the social, cultural, and technological developments of major world societies.

ECONOMICS

PREREQUISITE: None

This course is designed to provide the student with a basic understanding of the important relationships of economics to our social and political problems. The course emphasizes the philosophy, development, and operation of our American economic system and its important influence upon the individual and society.

COMPUTER TECHNOLOGY

COMPUTER APPLICATIONS 1

PREREQUISITE: None

This course will provide students with basic typing skills and introduce the student to the Google Suite Applications. Students will learn how to create and format personal and business documents, spreadsheets, presentations, forms, use Google Drive. They will learn to create tables, templates, macros, graphics, and use columns as well as how to merge and sort. They will produce professional business letters, memos, reports, merged documents and newsletters.

COMPUTER APPLICATIONS 2

PREREQUISITE: Computer Applications 1

This course will provide students computer skills via Microsoft Office Suit. Students will learn how to create and format personal and business documents. They will learn to create tables, templates, macros, graphics, and use columns as well as how to merge and sort. They will produce professional business letters, memos, reports, merged documents and newsletters.

FUNDAMENTALS OF TECHNOLOGY

PREREQUISITE: None

Students will get experience designing video games, 3-D design and printing, computer animation and other computer based programs.

ADVANCED DESIGN TECHNOLOGY

PREREQUISITE: None

Students will learn design concepts using 3-D design, graphic design, game design as well as other concepts like photography and video productions.

WORLD (FOREIGN) LANGUAGES

SPANISH 1

PREREQUISITE: None

Students learn simple basic vocabulary and grammar so they can begin to carry on simple conversations in Spanish, read in Spanish, write in Spanish, and listen to Spanish. Students are exposed to verb conjugations, adjective-noun agreement, and word order lessons in order to aid their speaking and comprehension level. Students will work within the present tense throughout most of the year.

Required course for NEWKIRK HONORS GRADUATE.

SPANISH 2

PREREQUISITE: Spanish 1

Students will review in depth the vocabulary, grammar, irregular verbs, present, and past tenses. Students will be expected to speak Spanish during class. Students will read independently and with help, short stories in the target language and answer questions based on these readings in order to begin preparation for students who want to take a Spanish CLEP test at the collegiate level. Students work more independently at this level.

Required course for NEWKIRK HONORS GRADUATE.

ART 1

PREREQUISITE: None

Art 1 is a course that provides an introduction to art through a multi-media experience. Students will learn and apply the elements and principles of design to produce creative art projects that reflect their understanding of these concepts.

ART 2

PREREQUISITE: Art 1

A second year course that provides an opportunity for students to expand on the drawing and painting concepts introduced in Studio in Art. Emphasis is placed on experiences with design principles, drawing techniques, sculpture and painting skills leading to the development of abilities that are necessary for advanced art courses.

ART 3

PREREQUISITE: Art 2 & must obtain consent from the Visual Arts instructor.

Emphasis is placed on understanding the Elements of Art and Principles of Design as a basis for composition. Students will explore a variety of artists, art processes and materials such as drawing, painting, printmaking, two & three-dimensional design, and digital art.

ART 4

PREREQUISITE: Art 3 & must obtain consent from the Visual Arts instructor.

This course will expand on skills learned. Students will develop a portfolio of art works. Students will be able to understand and apply visual art terms visually and orally. To understand and apply art critique skills to access personal and professional work. To understand how to apply a more rigorous variety of styles learned from art history. To understand and appreciate art as a means of communication and self-representation. To understand and appreciate art as a means of communication.

SPEECH

PREREQUISITE: None

Students will demonstrate an understanding and application of the techniques used in formal public speaking including listening skills, speech preparation and research methods.

MEDIA PRODUCTION

PREREQUISITE: Teacher approval

Students learn the basics of **media production** using the **media** tools of photography, film, video, audio **production**, and interactive **media**.

BAND

PREREQUISITE: Prior enrollment or by director approval

To foster and promote musical growth through the playing of an instrument by the student. Band is a skilled effort in which each student is expected to show technical and musical growth throughout this course.

JAZZ BAND

PREREQUISITE: Director approval

Focuses on the performance, study, and development of music written specifically for the jazz band. Students in jazz band will be required to perform in a variety of events throughout the school year. The ability to read music is considered essential to this class.

VOCAL

PREREQUISITE: None

Explores choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music theory, and music history.

HONOR CHOIR

PREREQUISITE: Director approval

More advanced performing group. Entry into this class requires either an audition or appointment by the Choral Director. Both groups perform a varied repertoire, including traditional vocal music of a classical nature, pop, jazz and other genres

MUSIC APPRECIATION

PREREQUISITE: None

Introduce students to the fundamentals of creating, enjoying and listening to music. Students will learn the basics of creating music-- melody, harmony and rhythm. Students will also explore instrumental and vocal timbre and will critique musical performances.

ELECTIVES

ATHLETICS

PREREQUISITE: Permission of Athletic Director and Sport Coach

Participation in school sports.

BOYS WEIGHTLIFTING

PREREQUISITE: Instructor Permission and enrolled in Athletics

Students will be introduced to Basics of Strength and Conditioning through supervised weightlifting. Students will learn safety, terminology, form, and how to operate the different equipment in our facility. Students will also learn about nutrition, rest, and basic biomechanics. This course will also include the students following a structured workout where they will be expected to track their progress. This class may begin before the start of school.

GIRLS WEIGHTLIFTING

PREREQUISITE: Instructor Permission and enrolled in Athletics

Students will be introduced to Basics of Strength and Conditioning through supervised weightlifting. Students will learn safety, terminology, form, and how to operate the different equipment in our facility. Students will also learn about nutrition, rest, and basic biomechanics. This course will also include the students following a structured workout where they will be expected to track their progress.

CURRENT EVENTS

PREREQUISITE: None

Using current events, this elective course focuses on world and local issues that affect students' everyday lives, such as economics, government and conflict. This course uses newspapers, online media, cartoons, and newscasts to support class discussion.

HISTORY THRU FILM

PREREQUISITE: None

The History thru Film curriculum offers students a unique way to view history through the Hollywood lens. Students will write reaction and analysis papers to films viewed in class.

YEARBOOK

PREREQUISITE: Teacher approval

Staff members will receive training in photography, design, graphics, finances, and management. Students will plan and produce the NHS yearbook. Students will be expected to meet deadlines. This course is a year-long commitment.

STEM (TSA)

PREREQUISITE: None

Students will get experience in many different technologies.

WORLD RELIGIONS

PREREQUISITE: None

This course will examine religion through a historical, social, political, and economic lens. Students will understand the connection between religion and society, and the many ways these two ideas are intertwined.

AG SCIENCE 1

PREREQUISITE: None

This is a foundational course. Content includes animal science, plant and soil science, agribusiness and economic principles, and agricultural mechanics.

AG SCIENCE 2

PREREQUISITE: Ag Science 1

This course leads to career development where a student can specialize in five areas: Animal Science, Plant and Soil Science, Food Science, Ag Power and Technology, and Agricultural Communications and Leadership.

HORTICULTURE

PREREQUISITE: Ag Science 2

Careers in the industry are covered as well as basic plant systems and pest control. The student will be introduced to the areas of greenhouse management, nursery management, and landscaping.

AG POWER 1 & 2

PREREQUISITE: Ag Science 2

Content includes importance of agricultural mechanics, personal and employability safety, identifying, using and maintaining common hand tools, metal fabrication, preparing and using simple project plans.