

Coffee County Raider Academy
Course Descriptions
2017-2018



Principal: Angela Gribble
Assistant Principal: Terri Murr

Courses Required for All Students:

Language Arts:

English I

1 Credit

Prerequisite: None

English 1 is a world literature-based course that builds on and integrates language, literacy, and composition skills. Historical and cultural elements are explored in relation to literary selections from a variety of genres: fiction (novel, short story), nonfiction (autobiography, biography, essay), poetry, and drama including, but not limited to, works from authors such as Shakespeare, Homer, and Harper Lee. Vocabulary is studied continuously in context with literature, and grammar usage and mechanics skills are developed through composition in a variety of formats including essays and research using the MLA format for documentation. To aid in college and career readiness and to prepare for English 2, additional emphasis is placed on oral and written communication for personal, informational, critical, and argumentative purposes. At least one outside reading assignment or project is given each semester. All students will be given the state-required TNReady exams. A list of recommended materials will be provided. A lab fee is requested.

Honors English 1

1 credit

Recommended: An "A" or "B" in previous English class.

Recommended Preparation: A summer reading assignment is recommended for this course.

Honors English 1 is an advanced world literature-based course that contains the same basic content as English 1, but more in-depth analysis is expected. Classic and contemporary literature, as well as informational texts, will be the focal point of the course in addition to expository, argumentative, and narrative writing. Works analyzed in this course include, but are not limited to Lee's *To Kill a Mockingbird*, Homer's *The Odyssey*, and Shakespeare's *Romeo and Juliet*. Vocabulary, grammar and mechanics, and writing are developed in a variety of formats including essays and research using the MLA format for documentation. Additional works and assignments are designed to prepare the student for the rigor of Honors English 2 and success in a college-preparatory curriculum. At least one outside reading assignment or project is given each quarter. All students will be given the state-required TNReady exams. This course is graded on a 103-point scale. A list of recommended materials will be provided. A lab fee is requested.

Mathematics: (Choose one)

Algebra 1

1 credit

Algebra 1 provides a formal development of the algebraic skills and concepts necessary for students to succeed in higher level mathematics courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations, emphasizing numbers, linear equations and inequalities, relations and functions, polynomials, and nonlinear equations, such as quadratic and exponential model. A lab fee is required.

Honors Algebra 1

1 credit

Recommended: An "A" or "B" in previous math class.

Algebra 1 provides a formal development of the algebraic skills and concepts necessary for students to succeed in higher level mathematics courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations, emphasizing the concepts of expressions, equations and functions throughout the course. Topics include: operations with real numbers, linear equations and inequalities, relations and functions, polynomials, and nonlinear equations, such as quadratic and exponential models. The Honors Algebra 1 course is designed to provide students with more in-depth level of instruction and an accelerated learning pace. The course is graded on a 103-point scale. A lab fee is required.

Honors Geometry

1 credit

Prerequisite: Algebra 1 credit

Geometry is the study of space and its mathematical constructs. The course includes development of both deductive and inductive reasoning skills, both formally and informally. Students will discover and prove geometry concepts using constructions and formal proofs. Knowledge and use of correct vocabulary and reading comprehension skills are vital. The Honors Geometry course is designed to provide students with a comprehensive scope and an accelerated learning pace. The course is graded on a 103-point scale. A lab fee is required.

Science: (Choose one)

Physical Science

1 credit

Physical Science is a laboratory science course that explores the relationship between matter and energy. Students investigate physical science concepts through an inquiry-based approach. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Energy, Matter, Motion, and Forces. A laboratory fee is required.

Honors Physical Science

1 Credit

Recommended::An "A" or "B" in previous science class.

This course includes the same content area as Physical Science, but is designed for the accelerated student and lays a foundation for continued advanced studies in chemistry and physics. This course is graded on a 103-point scale. A laboratory fee is required.

Environmental Science

1 credit

Environmental Science is the study of terrestrial and freshwater ecosystems, environmental issues, techniques of laboratory and field studies, and sources and control of pollution. The content includes energy flow, ecosystems, biomes, native flora and fauna, pollution, and environmental law. One day long field trip is scheduled for this class. A laboratory fee is required.

Honors Environmental Science

1 credit

Recommended: An "A" or "B" in previous science class.

Honors Environmental contains the same content as Environmental Science but is designed for the accelerated student. This course is graded on a 103-point scale. A laboratory fee is required.

Agriscience

1 credit

This course consists of standards designed to prepare students for biology and subsequent sciences. The content area covers ecology, biological processes, reproduction and a study of chemical and physical laws that govern life. This course assists students in understanding the important role science serves as the agricultural industry moves into the 21st century. A laboratory fee is required. (This course can be used to satisfy one credit in the Agriculture Program of Study if taken as an elective)

Honors Agriscience

1 credit

Recommended::An "A" or "B" in previous science class.

Honors Agriscience contains the same content as Agriscience but is designed for the accelerated student. This course is graded on a 103-point scale. A laboratory fee is required.

Social Studies:

World History and Geography

1 credit

Students will study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. They will examine the origins and consequences of the Industrial Revolution, nineteenth century political reform in Western Europe, and imperialism in Africa, Asia, and South America. They will explain the causes and consequences of the great military and economic events of the past century, including the World Wars, the Great Depression, the Cold War, and the Russian and Chinese Revolutions. Finally, students will study the rise of nationalism and the continuing persistence of political, ethnic, and religious conflict in many parts of the world. Relevant Tennessee connections will be part of the curriculum, as well as appropriate primary source documents. Students will explore geographic influences on history with attention given to political boundaries that developed with the evolution of nations from 1750 to the present and the subsequent human geographic issues that dominate the global community. Additionally, students will study aspects of technical geography, such as GPS and GIS, and how these innovations continuously impact geopolitics in the contemporary world. A lab fee is required.

Honors World History and Geography

1 credit

Recommended: An "A" or "B" in the previous social studies class.

Students will study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. They will examine the origins and consequences of the Industrial Revolution, nineteenth century political reform in Western Europe, and imperialism in Africa, Asia, and South America. They will explain the causes and consequences of the great military and economic events of the past century, including the World Wars, the Great Depression, the Cold War, and the Russian and Chinese Revolution. Finally, students will study the rise of nationalism and the continuing persistence of political, ethnic, and religious conflict in many parts of the world. Relevant Tennessee connections will be part of the curriculum, as well as appropriate primary source documents. Students will explore geographic influences on history with attention given to political boundaries that developed with the evolution of nations from 1750 to the present and the subsequent human geographic issues that dominate the global community. Additionally, students will study aspects of technical geography, such as GPS and GIS, and how these innovations continuously impact geopolitics in the contemporary world. As an Honors course, students will be expected to participate in in-depth classroom discussion, self-driven projects, and rigorous assessments. The pacing of teacher-led material will be fast-paced in order to lend time to enrichment activities needed to gain a broader view of the work in history and geography. This course is graded on 103-point scale. A lab fee is required.

Wellness:

Health

.5 credit

This course provides students with a holistic approach to health which addresses disease prevention and control, nutrition, substance use and abuse, mental health, family life and sexuality, first aid and safety, and personal fitness. (This course meets half of the graduation requirement of one credit in Lifetime Wellness.)

Physical Education

.5 credit

Students are introduced to the fundamentals of team games and sports, which include skills, rules, and game strategy, as well as physical fitness. Emphasis in the class is placed on providing an opportunity for growth in teamwork and cooperation. This course meets the physical education half of the graduation requirement of one credit in Lifetime Wellness. (This course may also meet the additional half credit of physical activity required for graduation.)

Elective Courses for Students:

Each student will have one course that is an “elective.” This course may fulfill a graduation requirement or it may simply be an elective. Students will choose from the following list of available courses:

Band (Fulfills the Fine Art Graduation Requirement and can meet the Physical Activity Requirement for PE)

Instrumental Music (Band)

1 Credit

Prerequisite: Instructor approval

The first semester of band consists of Marching Band. Students will play for football games and compete throughout the fall. After marching season is over, students will audition for chair placements in the Concert Band. In this ensemble, emphasis is placed on improving music reading skills and performance techniques through standard and custom band literature. Participation in the All-State and Mid-State instrumental auditions is encouraged and emphasized. Private instrumental instruction is encouraged.

Participation in marching band and concert band activities is required for the entire year. This course may require after school rehearsals, performances and/or field trip(s) that will be used as part of the evaluation process. This course may also require designated fees for membership that can be alleviated through student/parent fundraising.

Concert Choir (Fulfills the Fine Art Graduation Requirement)

1 Credit

Prerequisite: None

Concert Choir is an ensemble consisting of males and females. Students will prepare repertoire for concerts while gaining skills in technique and musicianship. Two or three concerts are performed during the year.

Junior ROTC JROTC Option 1: (all first year cadets)

AS 100: Aerospace Science: A Journey into Aviation History

LE 100: Citizenship, Character and Air Force Tradition

This is the recommended first AS course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. The LE-100 introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship. Wellness is an official and integral part of the Air Force Junior ROTC program. It consists of an exercise program focused upon individual baseline improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities. (JRROTC can be a substitute for the one required Wellness credit.)

Spanish I (Fulfills one half of the Foreign Language Graduation Requirement)

1 Credit

Prerequisite: None

This course provides students with an introduction to the Spanish culture and language. Students will build competencies in reading, writing, listening and speaking for communicative proficiency. Students will gain competency through group activities, written practice, speaking exercises, projects, and reading.

Honors Spanish I (Fulfills one half of the Foreign Language Graduation Requirement)

1 Credit

Recommended: An “A” or “B” in previous English courses.

Honors Spanish I includes the same content as Spanish I but is designed for students interested in a fast-paced and more in-depth learning environment. This course is graded on a 103-point scale.

Computer Applications

1 credit

Prerequisite: None

Computer Applications is a foundational course intended to teach students the computing fundamentals and concepts involved in the proficient use of common software applications. The course will start with a basic review of the keyboard and typing skills. Upon completion of this course, students will gain basic proficiency in word processing, spreadsheets, databases, and presentations. In addition, students will have engaged in key critical thinking skills and will have practiced ethical and appropriate behavior required for the responsible use of technology. By enrolling in this class, students will have the opportunity to be a member of FBLA, Future Business Leaders of America. This student organization takes concepts learned in the classroom and applies them to real-world situations. All concepts taught in this course are aligned with the Tennessee Department of Education Standards.

Honors Computer Applications

1 Credit

Recommended: Basic Typing Skills (minimum 20 gwam)

Honors Computer Applications is an advanced foundational course intended to teach students the computing fundamentals and concepts involved in the proficient use of common software applications. The course will start with a quick review of typing skills. Students are expected to be able to type a minimum of 20 gwam. Upon completion of this course, students will gain basic proficiency in word processing, spreadsheets, databases, and presentations. At the end of the year, students will complete a cumulative project involving the 4 most common Microsoft Office 2013 software programs (Word, Excel, PowerPoint, and Publisher). In addition, students will have engaged in key critical thinking skills and will have practiced ethical and appropriate behavior required for the responsible use of technology. By enrolling in this class, students will have the opportunity to be a member of FBLA, Future Business Leaders of America. This student organization takes concepts learned in the classroom and applies them to real-world situations. All concepts taught in this course are aligned with the Tennessee Department of Education Standards. Basic content is the same in Honors and regular Computer Applications. The difference is the speed and depth of material taught. This course is graded on a 103-point scale.

Journalism –Yearbook

1 Credit

Prerequisite: Teacher approval (there is an application process)

Yearbook is an application-based course that teaches students the production and communication skills of journalism. Students must be willing to conduct interviews, sell advertisements, take photos inside and outside of school, submit all pages on time, and work in all other areas of production. Students will learn computer skills, digital photography, photo correction, graphic design, theme development, and all other applications necessary to complete the yearbook. Yearbook is a student-led organization. Leadership skills will be developed within the staff to train new staff members and to prepare students for leadership positions as they progress through the program. Yearbook staff members must maintain a predetermined level of attendance and academic achievement to remain on the staff. Applicants must complete an intensive two-part application process (informative & writing), meet academic and behavioral minimums, and complete a staff interview. The final selection will only be made by teacher approval.

Criminal Justice: Principles of Law, Corrections, and Security

1 Credit

Prerequisite: None

Principles of Law, Corrections, and Security is an introductory course designed to prepare students to pursue careers in the fields of law enforcement, legal services, corrections, and security. Upon completion of this course, a proficient student will be able to identify careers in these fields, summarize the laws that govern the application of justice, and draw key connections between the history of the criminal justice system and the modern legal system. In addition, students will model the professional, moral, and ethical standards required of professionals in the fields of law, legal services, corrections, and security.

STEM: Principles of Engineering and Technology

1 Credit

Prerequisite: None

Principles of Engineering and Technology is a foundational course in the STEM cluster for students interested in learning more about careers in engineering and technology. This course covers basic skills required for engineering and technology fields of study. Upon completion of this course, proficient students are able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others. Standards in this course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee Common Core State Standards in Mathematics.