

Welcome to Robertson County Virtual School! This document shares all our current class options for the **2026-27** school year. In the beginning of this document, you will find a breakdown of all typical schedules, by grade level. After browsing each elective, you will also find AP and Dual Enrollment options. Please reach out to Mrs. Baumgras (kaitlyn.baumgras@rcstn.net) with any further class or scheduling questions.

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Freshmen Schedules

1. English 9 (I)*
2. Algebra I**
3. Physical Science*
4. World History & Geography*
5. Lifetime Wellness
6. Fine Art
7. Elective Choice
8. Elective Choice

*Algebra is the typical 9th grade Math. Students may be assigned a different Math according to their educational plans or advanced work.

*Honors options available

Sophomore Schedule

1. English 10 (II)*
2. Geometry**
3. Biology*
4. World Language level one (1 credit)
5. World Language level two (1 credit)
6. HS Computer Science (*new requirement for class of 2027 and beyond*)
7. Elective Choice (program of study required)
8. Elective Choice

*Geometry is the typical 10th grade Math. Students may be assigned a different Math according to their educational plans or advanced work.

*Honors options available

Junior Schedule

1. English 11 (III)**
2. Algebra II*
3. Chemistry*
4. US History**
5. Elective Choice (program of study required if not completed)
6. HS Computer Science *(only required for students who will be juniors for the 26-27 school year)*
7. **ACT Prep**/Elective Choice
8. Elective Choice

*Algebra II is the typical 11th grade Math. Students may be assigned a different Math according to their educational plans or advanced work.

*Honors options available

*AP/Dual options available

ACT Prep class: This course will help the student navigate through the ACT Exam Prep Web site, access two full ACT® practice tests, and learn the necessary skills in order to take the ACT test. This course also includes several lessons on other critical aspects of preparing for college, including developing a college resume, writing effective personal essays, and requesting letters of recommendation. This course is intended to prepare the student to take the ACT test. As the student works through the course, they will focus on learning more about their strengths and weaknesses as well as learn test-taking strategies that are specific to the ACT test. Finally, the student will submit a College Planning Portfolio, which will reflect the areas for improvement that the student has identified throughout this course.

Senior Schedule

1. English 12 (IV)**
2. Senior Math**

3. Government*/Economics*/Personal Finance/PE
4. HS Computer Science (*only required for seniors during the 26-27 school year*)
5. Elective Choice (program of study required if not completed)
6. Elective Choice (program of study required if not completed)
7. Elective Choice (program of study required if not completed)
8. Elective Choice

*For senior level math class options, please visit the tab labeled "Math Choices for Seniors"

*Honors options available

*AP/Dual options available

Foreign Language Options

Please choose one of the following to complete 2 credits in:

1. Spanish
2. French
3. German
4. Japanese
5. American Sign Language

Math Options (after Algebra II)

Algebra w/ Finance--The student will focus on data and its many uses in the real world. The student will begin by exploring ways to represent data through several types of graphs, and will then develop strategies for interpreting data, methods for collecting data, and techniques for analyzing and using data. The

course concludes with a detailed study of probability and probability models. In the second semester of this course, the student will explore useful personal finance topics, including wages, budgeting, personal taxes, credit cards, banking choices, home and automobile financing, insurance, savings, and investments. The latter part of this course is dedicated to appreciating math in diverse fields, such as science, art, architecture, and music.

Calculus—part A introduces limits, differentiation, and applications of differentiation. The student will find and evaluate finite and infinite limits graphically, numerically, and analytically. The student will find derivatives using a variety of methods including the chain rule and implicit differentiation. Then the student will use the first derivative test and the second derivative test to analyze and sketch functions. Finally, the student will find derivatives using a variety of methods including substitution. Calculus B introduces integration of functions, differential equations, and applications of integration. The student will calculate antiderivatives using a variety of methods including substitution. The student will evaluate integrals using a variety of methods including numerical integration. Then the student will understand and apply Riemann sums, definite integrals, and the Fundamental Theorem of Calculus. The use of a graphing calculator is considered an integral part of the course and the student will use a graphing calculator throughout this course.

Consumer Math: In this course, the student will learn that money is lost or gained depending upon the information a consumer has to help him make informed decisions. Retailers, banks, and credit card companies may not provide consumers with all the information they need to make good decisions. By the end of this course, the student will understand the history of money, define fixed costs and discretionary spending, understand the importance of savings, and recognize the dangers of debt. This course will ask the student to look hard at his financial choices including spending patterns, purchasing motivations, and how to make some difficult decisions.

Precalculus-- In this course, the student will continue to study higher-level mathematics. The student will begin by reviewing the fundamental concepts in algebra that serve as building blocks for an in-depth study of functions and graphs. Next, the student will explore and analyze polynomial, rational, radical, exponential, logarithmic, and piecewise functions. The student will further delve into quadratics with a unit on the conic sections. Finally, the student will explore sequences and series. A content thread throughout the course focuses on ways mathematics is applied in the real world and is essential to everyday life. These real-world connections, combined with an emphasis on mathematical reasoning and critical thinking skills, prepare the student for future college and career opportunities.

Statistics--in this course, the student will be introduced to the major concepts of collecting, organizing, and drawing conclusions from data. The student will also have the opportunity to observe patterns and departures from patterns, plan a study, produce models using probability and simulation, and use statistical inference to confirm models.

English Electives

Creative Writing: is an engaging, workshop-style course designed to help students develop their imagination, voice, and confidence as writers. Through reading, writing, and peer collaboration, students explore a range of genres including poetry, short fiction, personal narrative, dramatic writing, and creative nonfiction. The class encourages experimentation, thoughtful revision, and an appreciation for the writing process. Students learn essential literary techniques—such as imagery, characterization, dialogue, point of view, pacing, and figurative language—and apply them in original creative work.

Gothic Literature: Monster Stories of Vampires, ghosts, and werewolves have lived in our collective imagination since 18th century Gothic literature, which introduced a thrilling psychological experience for the reader. Explore the themes of terror vs. horror, the supernatural, and the struggle between good and evil. Are you brave enough to go beyond the fear and find an appreciation for the dark beauty of Gothic stories?

Journalism: Does your curiosity lead you to the heart of the matter? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field.

Mythology and Folklore: Legendary Tales--Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. Explore how these compelling tales continue to shape society even today.

Science Electives

Astronomy: Ever wondered how the Earth developed and exists in the vastness of space? How do the scientific laws of motion and gravity play a role in its existence? Discover answers to these questions and explore the origin of the universe, the Milky Way, and other galaxies and stars, including the concepts of modern astronomy and the methods used by astronomers to learn more about the universe.

Concepts of Engineering and Technology: Learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. Explore the different branches of engineering and how problem solving, sketching, collaboration, and experimentation can

change the very fiber of our human lives. By examining astounding engineering feats and complex ongoing issues, you'll begin to question whether the word impossible really exists.

Forensic Science: Fingerprints. Blood spatters. Gunshot residue. If these things intrigue you rather than scare you, then forensic science may be for you. Explore the riveting job of crime scene analysis, and learn the techniques and practices applied during a crime scene investigation, including how clues and data are recorded and preserved. Discover how technology is applied to make discoveries and bring criminals to justice.

Marine Science: an engaging, lab-based course that explores the biology, chemistry, geology, and ecology of Earth's oceans. Students investigate the unique physical and biological processes that shape marine environments, develop an understanding of ocean ecosystems, and examine the impact of human activity on marine life and coastal systems. Throughout this course, students study marine organisms—from microscopic plankton to complex marine mammals—and learn how ocean currents, tides, waves, and water chemistry influence life in the sea.

Nutrition and Wellness: Keeping our physical body healthy and happy is just one of the many challenges we face, and yet, many of us don't know how to achieve it best. In this course, you'll explore positive decisions around diet and food preparation to pursue a healthy, informed lifestyle. Making sure you know how to locate, buy, and prepare fresh, delicious food will make you and your body feel amazing.

Fine Arts

Intro to Drawing-- Learning to draw is like learning any new skill: it takes practice, practice, practice. Introduction to Drawing is a one-semester course for beginning and intermediate artists that provides training in the application of artistic processes and skills. In this course, you will learn the basics of line, contour, shading, texture, perspective, composition, and action drawing. You will examine artwork and demonstrate your newly learned skills by creating several original works of art and compiling a portfolio of your artwork.

Living Music-- Designed for students in grades 9-12, this course teaches fundamental musicianship skills from a Western-Classical approach, while aligning to National Core Arts Standards. The course challenges the student to improve listening, notation, analysis, performance, and improvisation skills. With audio, visual, and interactive technologies, the course provides a unique and advanced learning experience for the student.

Art History-- In this course, the student will take up the question "What is art?" as he explores the artistic endeavors of early civilizations. Early in the course, the student will explore some of the basic elements and principles of art and its role in human history and the development of culture. He will also think about the ways that a work of art interacts with human sensory perception to produce a particular effect, as well as various other factors that affect the interpretation of a work of art. Once the student has obtained a basic foundation in art theory, he will begin to examine the history of art from its earliest manifestations in prehistoric times up through the ancient Egyptian civilization.

Art in World Cultures-- Art tells a story. Go on a journey of when humans began creating art in prehistoric times to ancient Roman, early Christian, and Medieval periods. Explore the artistic characteristics of the Renaissance, Americas, Baroque, Romantic, and more. Learn the elements and design principles of art, and about some of the greatest artists in the world, while

creating your own art, both on paper and digitally. It's time to tell your story through art.

Animation-- Have you ever watched a cartoon or played a video game where the characters and animation captivated you enough to want to develop your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story and animation to life!

Digital Design-- Are you an artistic person drawn to the idea of creating graphic elements? Then a career in digital design may be for you! In this course, you will learn the basic principles of design, the tools needed to succeed in the industry and how to design objects for specific purposes and audiences. You'll also learn how to market yourself and open your own design business all while building a portfolio. Let's align your skills and dreams today for a career in digital design!

Digital Photography-- We are surrounded by images; in advertisements, on websites, in magazines, and on billboards. Learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own. Examine various aspects of the photography field including specialty areas, ethics, and famous photographers throughout history.

Music Appreciation: course designed to develop students' understanding and enjoyment of music as an art form. Through listening, discussion, and hands-on activities, students explore a wide variety of musical styles, including classical, jazz, blues, world music, popular music, and contemporary genres.

Students learn to identify key musical elements—such as rhythm, melody, harmony, form, and texture—and analyze how these elements work together to create expressive meaning. This course also introduces major composers, performers, and historical movements that have shaped music across cultures and time periods.

Humanities

Psychology--This course begins with a historical review of how man has sought to explain human behavior from ancient times to today. The student will learn about the research methods that are applied to the field and how the scientific method of inquiry moved psychology from quaint parlor tricks like hypnosis and mesmerism to serious inquiry that utilizes hard science to prove theories. The student will also learn about the amazing brain and will explore the workings of the normal brain. The student will then build upon this biological foundation to learn how the information that we take in through our senses is perceived and interpreted by the brain to form the mental images of our daily experiences in the world. The course also provides a survey of a human's life span from birth to death. The student will learn about all of the major physical and psychological changes that mark the development of a human's existence and a variety of theories that outline these processes.

Sociology: The Study of Human Relationships--Have you ever wondered why people act differently from one another or why some people act in more intriguing manners than others? When you view people's behaviors as distinctive and try to figure out why they act the way they do, you are beginning to think like a sociologist! Sociology is the study of human social

relationships and how individuals interact with one another in groups. By studying sociology, you'll gain insight into the complexities of our society. If you're interested in understanding the world around you and making a positive difference, studying sociology is for you!

Black History In America-- By examining the stories of brave men and women who persevered, built community and contributed to our nation's goals—sometimes amid great persecution—we can all learn how to pave a brighter future. Learn about the incredible history of Black people who have left a mark on the fabric of the United States to the ways the country has wrestled with its past to understand slavery, emancipation, and the fight for civil rights in our nation.

History of the Holocaust-- “For the dead and the living, we must bear witness.” Discover the harrowing details of the history of the rise of anti-Semitism that contributed to the start of the Holocaust and the power of the Nazi party. Learn of the persecution of European Jews and other groups, and the tremendous aftermath for everyone involved in World War II and what has been done since to combat genocide.

Human Geography: Our Global Identity--Modern humans have been roaming the Earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs, beliefs, and lifestyles? Learn how diverse people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Let's explore the important relationship between humans and their environments.

Health Science

Health Science Foundations-- In this course, you'll explore the concepts of health, wellness, and preventative care across the lifespan while also learning how the human body works. From cutting-edge technology to first-line patient care, get ready to dip your toes into the range of careers available in therapeutic services, diagnostic services, biotechnology, support services, and informatics. While learning how to apply critical skills needed by today's healthcare provider, you'll gain an understanding of the education and training necessary to launch your dream career!

Health Science Theory: From doctors and nurses to x-ray technicians and medical aides, the field of healthcare offers numerous roles that will allow you to make a difference in the lives of patients. In this course, you'll learn all about the foundations of healthcare from how the industry works around the world, to the different professions that fall within the field. You'll also learn medical terminology and calculations, the difference between diagnostic and therapeutic careers, and the legal and ethical considerations. Let's start building the foundation of a career in healthcare today!

Anatomy and Physiology-- Whether you plan on pursuing a career in health sciences or simply looking to gain an understanding of how the human body works, you'll first need to understand the relationship between anatomy and physiology. Learn how to read your body's story through understanding cell structure and their processes, and discover the functions and purposes of the

skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems.

Medical Terminology-- Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences.

Business and Marketing

Business Communications-- No matter what career you're planning to pursue, excellent professional communication will be key to your success. Upgrade your abilities in speaking, listening, writing, using and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, stand out from your peers, and impress your employer.

Principles of Business, Marketing, and Finance-- Discover how leadership, ethics, marketing and advertising, finance and operations management shape businesses through the lens of real-life innovators like Gitanjali Rao and Palmer Luckey. Get hands-on by creating your own brand, Random Acts of Coffee, and see how a socially responsible café operates from the ground up. By the end of the course, you'll take your first steps towards success by crafting key parts of your own business plan.

Entrepreneurship-- Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

Human Resource Management-- Are you ready to step into a critical leadership role that oversees the development of every successful business' most valuable resource? In this course, you will wear the shoes of a Human Resource Management (HRM) professional and will learn how to build and manage a team to help a company reach its goals. You will also explore and perform some of the key responsibilities of a HRM professional: research, interviewing, reporting, recruiting, hiring, assessing employees, and more! Are you ready to help develop invaluable human resources that are the heart of a company and help your company thrive? Learn how to create a winning culture through human resources!

Advertising and Sales Promotion-- Great marketing strategies can be powerful. Every year companies spend approximately \$200 billion promoting their products and services – and that's just in the United States alone! Explore how marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. Learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry.

Marketing Foundations-- Explore the fast-paced and exciting world of marketing! Learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Examine how to identify target markets, perform market research, and develop successful marketing strategies. Discover the legal and ethical considerations of business and marketing, along with the impact of government on business.

International Business-- International business has transformed in recent decades, with companies like Google, Uber, Nike, and Amazon expanding globally. Increased interconnectivity, advanced technology, and support for international trade have opened the doors—or borders—for businesses, big and small, to join the world economy. Going global involves more than just setting up “shop” abroad. This course explores crucial aspects of global success: interacting with different countries and cultures, overcoming language barriers, understanding business laws, handling risks of political and economic changes, and managing global supply chains. Discover how your favorite brands went global and how you can too.

Technology

Coding: Do you find yourself wondering how your favorite apps, websites, and games were made? Maybe you want to try building your own. Well, now you can! You will get an introduction to the basics of computer science, HTML, CSS, JavaScript, and Python. You'll leave the course with a portfolio of work you can show off!

Digital Media Fundamentals-- Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast-paced and exciting field!

Social Media: Our Connected World--Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Foundations of Game Design-- Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game!

Game Design for Chromebooks-- Are you ready to take your passion for game design and turn it into a real-life prototype? In this course, you'll learn the

fundamentals of game design including scripting in JavaScript, game mechanics, audio editing, storytelling, and game world development. And the best part? You'll apply these skills to build an arcade-style galactic adventure game using PlayCanvas! Let's get ready to blast off into the world of game design!

Sports Extension

Sports Management-- This course will introduce you to the fast-growing field of sports management. You will explore topics such as sports marketing, branding, ticket sales, public relations, broadcasting, and breaking into the business of sports management. This course will also discuss the role of sports in society and the importance of an ethical approach to sports management.

Sports & Entertainment Marketing-- The bright lights. The roaring crowds. The chants and cheers and applause. If you are drawn to the electricity of large events and the challenge of making events successful, a career in sports and entertainment marketing may be for you! In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds.

Additional Electives

Careers in Criminal Justice-- Have you ever wondered what steps take place as people move through the court system? The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the

correctional system, and the trial process all work together to maintain social order.

Career Planning & Skill Development: As a high school student, it may seem like entering the workforce is right around the corner. It's important that you're prepared. The Career Planning and Skill Development course will introduce you to the workforce by having you explore your interests, values, and skills. Knowing yourself better in this way will help you plan for your future career. As part of this planning process, you will learn about a variety of career fields—from business, to education, to public service. Many career fields may interest you. The course also teaches you the important task of finding a job. You will learn how to write a cover letter and resume, fill out a job application, and act in an interview. You will learn the qualities of a successful employee, and additional career-related skills, such as problem-solving and communication.

College Prep with SAT: This course will help the student navigate through the Official SAT Practice on the Khan Academy website, access four full SAT practice tests and multiple practice quizzes, and learn the necessary skills in order to be well-prepared to take the SAT test. This course also includes several lessons on other critical aspects of preparing for college, including developing the college resume, writing effective personal essays, and requesting letters of recommendation. This course is intended to prepare the student to take the SAT test. As the student works through the course, he will focus on learning more about his strengths and weaknesses as well as learn test-taking strategies that are specific to the SAT test. That way, when the student takes the actual test, the scores will be a good representation of the student's abilities. Finally, the student will submit a College Planning Portfolio, which will reflect the areas for improvement that the student has identified throughout this course.

Early Childhood Education-- Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!

Law and Order: Introduction to Legal Studies--Imagine if there were no laws and people could do anything they wanted. Every society needs some form of regulation to ensure peace in our daily lives and in the broader areas of business, family disputes, traffic violations, and the protection of children. Explore the importance of laws and how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you'll learn to appreciate the larger legal process and how it safeguards us all.

Life Skills: Navigating Adulthood--What do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but they don't have to be with the right tools. Learn more about yourself and prepare for the future through goal setting, decision making, surviving college and career, and how to become a valuable contributing member of society. It's your life; make it count!

Personal Psychology: Have you ever wondered why you do the things you do? Or how our behavior changes as we age? Psychology can give you the answers! Trace the development of personality and behavior from infancy through adulthood. Are you ready to explore the world of human behavior? Explore all that psychology can offer to help you to truly understand the human experience.

Principles of Public Service: introduces students to the essential roles, responsibilities, and values of individuals who serve their communities. This course explores a wide range of service-oriented fields—such as education, public safety, government services, emergency response, nonprofit work, and community leadership—while emphasizing the importance of ethics, communication, teamwork, and civic responsibility. Students learn how public service systems operate, how community needs are identified and addressed, and how service professionals collaborate to support the well-being and safety of the public.

Public Speaking-- Do you strive to gain more confidence when speaking in front of people? Learn techniques from famous speakers throughout history while learning what it takes to make a great speech. Develop skills that will serve you well throughout your career and personal life.

Speech and Debate: In this course, the student will learn how to apply visuals, style, stories, organization, and nonverbal communication to speeches. The student will learn tactics to help overcome fear, participate in debates, and rehearse effectively. The student will also learn how to evaluate great speeches from history as well as more modern media messages. This Speech and Debate course was developed by Connections Academy with content and video excerpts provided by TJ Walker, Media Training Worldwide. Connections Academy's use of all content, including any video excerpts, is for educational purposes only, and specifically, for purposes of review, criticism, illustration or comment. All images, names, logos, and depictions belong to their respective parties.

World Geography: Geography develops students' comprehension of the geographical concepts and skills needed to acquire information and systematically apply decision-making processes to real-life situations. Students

will acquire an understanding of multiculturalism and the relationships between people and their environment. Geography explores the world's cultural regions by examining location, physical characteristics, demographics, historical changes, economic activity, and land use.

AP Options

****AP (Advanced Placement) classes are a great option to begin/continue advanced coursework . You can earn both high school credit (by passing the class) and college credit (through scoring a 3 or above on the AP Test). AP options are only available to 11th-12th Grade students****

AP Biology: In this course, the student will gain a foundation in the Life Sciences by focusing on four major themes: 1) how evolution drives the diversity and unity of life; 2) how life uses free energy to maintain homeostasis; 3) how living systems store, retrieve, transmit, and respond to information; and 4) how biological systems interact with each other. These themes are supported by a broad range of biological subdisciplines including biochemistry, molecular biology, cell biology, genetics, physiology, and ecology. The student will use practical experimentation to develop inquiry and reasoning skills to explore these themes throughout the course. This course effectively **prepares the student for success on the AP® Biology exam** by promoting the deductive reasoning and experimental interpretation skills emphasized in the AP curriculum.

AP Calculus AB: In this course, the student will complete the first semester of coursework similar to a first-year college-level calculus course. This course covers the framework, mathematical practices, and learning objectives for an

AP® Calculus AB course as recommended by the College Board. This course provides experience with the methods and applications of calculus and effectively prepares the student to take the **AP Calculus AB exam in the spring**. The overarching topics in this course are limits, continuity, derivatives, methods of finding derivatives, and applications of derivatives. The student will interact with lesson content, multimedia presentations, an online textbook, and a graphing utility to meet learning goals throughout the course. Featured learning strategies in this course include direct instruction, regular checks and practices, discussions, portfolios, and a practice assessment for the AP Calculus AB exam.

AP English Language Composition: In AP English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course **prepares students for the AP exam** and for further study in communications, creative writing, journalism, literature, and composition. Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam. This course has been authorized by the College Board® to use the AP designation.

AP English Literature & Composition: The AP® English Literature and Composition course provides high school students with college-level instruction

in reading, interpreting, and analyzing a range of imaginative texts. The student will become a skilled reader of literature written in various periods, disciplines, and styles. The student will learn about elements of poetry and the novel such as language, style, and tone, as well as become immersed in a study of drama involving William Shakespeare's *King Lear*. In addition, the student will deepen understanding of language, structure, and style by composing a variety of written texts—both formal and informal—that use literary tools and structures to analyze, argue, and inform. This course effectively **prepares the student for the AP English Literature and Composition exam** by enabling reading, writing, and comprehension of complex texts, while developing further communication skills on a college level.

AP Environmental Science: AP Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. Topics explored include natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living systems; populations; communities; ecosystems; ecological pyramids; renewable and nonrenewable resources; land use; biodiversity; pollution; conservation; sustainability; and human impacts on the environment. The equivalent of an introductory college-level science course, AP Environmental Science **prepares students for the AP exam** and for further study in science, health sciences, or engineering. AP Environmental Science requires the completion of hands-on lab activities and has been approved by the College Board as meeting all requirements for a laboratory science course.

AP Human Geography: The AP Human Geography course provides high school students with college-level instruction in using a spatial perspective to study

how humans understand and use Earth's surface. The student will become skilled in interpreting maps and geospatial data in order to draw conclusions about what is revealed and hidden. The student will hone analysis skills by learning to recognize, interpret, and assess patterns related to population, migration, folk and popular culture, language and religion, and politics. This course effectively **prepares the student for the AP Human Geography exam** by providing practice in the skills necessary to apply geographic concepts, interpret data, and synthesize information in both multiple-choice and constructed-response formats.

AP Macroeconomics: students will learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course **prepares students for the AP exam** and for further study in business, political science and history. This course has been authorized by the College Board® to use the AP designation.

AP Microeconomics: studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The

equivalent of a 100-level college course, AP Microeconomics **prepares students for the AP exam** and for further study in business, history, and political science.

AP Psychology: provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of an introductory college-level survey course, AP Psychology **prepares students for the AP exam** and for further studies in psychology or life sciences.

AP Spanish Language and Culture: students practice perfecting their Spanish speaking, listening, reading, and writing skills. They study vocabulary, grammar, and cultural aspects of the language, and then apply what they learn in extensive written and spoken exercises. The course addresses the broad themes of Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. By the end of the course, students will have an expansive vocabulary, a solid, working knowledge of all verb forms and tenses, strong command of other language structures, and an ability to use language in many different contexts and for varied purposes. **The equivalent of a college-level language course, AP Spanish Language prepares students for the AP exam** and for further study of Spanish language, culture, or literature.

AP Statistics: gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics **prepares students for the AP exam** and for further study in science, sociology, medicine, engineering, political science, geography, and business.

AP United States Government and Politics: provides high school students with college-level instruction in using disciplinary practices to examine key ideas, institutions, and behaviors in American government. The student will look critically at the fundamental beliefs and philosophies that shaped American government and how those ideas have been interpreted and applied throughout history. The student will develop a deep understanding of the U.S. Constitution and the American political system—both its formal and informal processes and procedures. In addition, the student will examine specific governmental institutions, policies, interactions, and behaviors within the political system. Through study of each of these areas, the student will hone reasoning skills by developing evidence-based arguments, interpreting various types of data, and analyzing key documents, including foundational documents and Supreme Court decisions. This course effectively **prepares the student for the AP United States Government and Politics exam** by providing practice in the skills necessary to draw reasoned conclusions in both multiple-choice and constructed response formats.

AP United States History: provides high school students with college-level instruction in using disciplinary practices and historical reasoning to examine

the history of the United States from approximately 1491 to the present. The student will look critically at how the American identity has developed over the course of American history and how it has been informed by the changing nature of American culture and societal structures and norms. Students will recognize and interpret patterns of migration and settlement—both to and within the United States—and how those patterns impacted and were impacted by aspects of regional geography and environment. The student will also consider political and economic patterns and relationships in American history, both within the nation and with the global community at large. Through their study of each of these areas, the student will hone reasoning skills to contextualize patterns and events, identify causation and continuity, and analyze change over time. The course is presented both chronologically with content divided into nine time periods, as well as thematically to reinforce that key themes form connections between different regions and time periods in American history. This course effectively **prepares students for the AP United States History exam** by providing practice in the skills necessary to analyze primary and secondary sources, construct evidence-based arguments, and draw reasoned conclusions in both multiple-choice and constructed-response formats.

Dual Enrollment Options

***Dual Enrollment classes are a GREAT opportunity for qualifying juniors and seniors to experience advanced coursework in a college setting. Dual enrollment allows high school students to take college-level classes and earn both high school and college credit at the same time. Taking Dual Enrollment classes save money and time in college (with the Dual Enrollment Grant, you can take up to 5 dual enrollment classes for free through Vol State or Austin Peay). These classes also can strengthen college applications and allow students to explore the demands of college level classes.**

*Passing **one** Dual Enrollment class qualifies students for College and Career Readiness status (a distinction recognized at graduation)!*

Junior Dual Enrollment Options:

1. English Composition I (to replace English III requirement)
2. Modern US History (to replace US History requirement)

Senior Dual Enrollment Options:

1. English Composition II (to replace English IV requirement)
2. Introductory Statistics/ Precalculus Algebra/ Precalculus Trigonometry (any of these classes replace Senior Math)
3. Principles of Macroeconomics (to replace Economics requirement)
4. American Government (to replace American Government requirement)

Elective Options Available to both:

1. Fundamentals of Communication

2. Public Speaking
3. Intro to Literature
4. Early American Literature
5. Medical Terminology
6. Intro to Art
7. Intro to Music
8. Early US History
9. Intro to Psychology
10. Intro to Sociology