

FVHS ELECTIVE GUIDE



2019-2020

ENGLISH ELECTIVES



Creative Writing I/I (H): Creative Writing is designed for students who enjoy reading and writing, and are looking to learn the art behind the written word. Students will compose poetry and prose of varying lengths, as well as read a number of works for inspiration and as models of writing styles.

Creative Writing II/II (H): This course will teach students to research, create, read, and study a specific genre and the movements within that genre over the past 100 years. They create manuscripts for presentation to various outlets for publication. At the honors level, students must write extended and polished responses to course assignments, participate in peer review panels, and submit manuscripts for publication.

Speech I/I(H): This course, designed for the beginning and experienced speaker alike, helps all students excel as it cultivates a positive and supportive classroom environment in which students become comfortable in front of an audience of their peers, giving a wide variety of speeches, practicing the virtues of constructive criticism, and learning the fundamentals of academic and legislative debate.

Speech II/II (H): This course develops public speaking skills so that students may more rewardingly engage in competitive speaking and debate. Class activities are modeled on local, statewide, and national events. Included are dramatic and humorous interpretation of poetry and prose, public forum, debate, and original oratory. At the honors level, students will be expected to dive more deeply into the art of argumentation and the resources available through advanced research.

The Human Experience (H): This literature based course is intended for students interested in exploring different aspects of the human experience. Divided into five units, the course explores how, through literature, we approach and define our understanding of what it means to be human. By exploring how literature and other forms of writing approach art, history, philosophy, and religion, students will gain a better understanding of the human experience. **You must be a junior or senior to enroll in this course.**

Yearbook I: The introductory yearbook course offers the student total involvement in the production of the school yearbook. Activities include advertising, layout planning, photography, copywriting, and proofing.

Yearbook II: The second-level yearbook course is designed to help students refine their skills in copywriting.

Yearbook III/III(H): Students who have completed Yearbook I and II and who desire to refine skills in planning, layout, and technology may elect this course. In addition to development of higher level writing skills and business management procedures, students enhance their knowledge of the laws and ethics of journalism.

African American Literature (H): This literature-based course is intended for those students interested in a deep and extended exploration of African American writing and its relationship to American history and culture. Students can expect to study a survey of the African American experience, from colonial voices through urban fiction, poetry, and music lyrics. A deep study of critical theories and their application to African American literature uses a variety of African American sources as text for this course.

Introduction To Communications and Mass Media: This introductory course is designed for students interested in pursuing additional coursework in journalism, media, and communications. Students examine the basics of writing, design, and production as well as current industry issues.

SCIENCE ELECTIVES



AP Physics 1: AP Physics 1 is an algebra-based, introductory college-level course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and simple circuits. Students will learn to apply science practices through hands-on, inquiry-based investigations that will help develop scientific critical thinking and reasoning skills. As this is the honors level of physics, students are expected to be proficient in solving linear equations, working with ratios and proportions, and using basic trigonometry when they enroll in the course. **The prerequisite for this course is Honors Math 2 and the corequisite course is Honors Math 3.**

Forensics Science/Forensics Science Honors: A science elective course that analyzes crime scene evidence using basic biology, chemistry, and physics concepts. Students interested in crime, science, and problem solving will enjoy this class. This class is laboratory driven with a lot of evidence analysis and case studies of famous crimes. The honors level incorporates more projects and problem-solving skills. **The prerequisite for this course is Biology and Chemistry. You must also be a junior or senior to enroll in this course.**

Molecular & Cellular Biology Honors: This is a college-level expansion on topics such as organic molecules, enzymes, cellular transport, cellular organelles, and the molecular basis of genetics (DNA). **This class is only offered in the fall semester, and is a co-requisite of AP Biology for the Spring Semester.**

AP Biology: Students study the basic principles and concepts covered in a college-level introductory Biology course. Students are provided with in-depth laboratory experiences and are expected to take the College Board Advanced Placement Biology Test at the end of the semester. **Students registering for AP Biology must also register for Honors Molecular and Cellular Biology. The prerequisite for this course is honors Biology. Honors Chemistry is preferred but not required.**

AP Chemistry: A second level chemistry course designed as the equivalent to a freshman college chemistry class. The topics of this class include thermodynamics, equilibrium, and kinetics. A score of 4 or 5 on the AP Test for this course can earn 8 college credits. A score of 3 can earn 4 college credits. **This course is offered in one semester and is taken after completion of Honors Chemistry or Chemistry, ideally in the same school year.**

AP Environmental Science: AP Environmental Science is a one-semester laboratory science course designed to be the equivalent of a one-semester introductory college course in environmental science. A minimum of one day per week will be devoted to a hands-on laboratory experience or fieldwork. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternate solutions for resolving and/or preventing them. **The prerequisite for this course is Earth Science and Biology.**

Astronomy: This course is an introductory course for space science. The course follows areas of student interests within the topics of rocketry, stargazing, planets, celestial bodies, space exploration, and big bang theory just to name a few. **The prerequisite for this course is Earth Science.**

Marine Ecology: A science elective course covering physical oceanography, marine ecosystems, marine animals and plants, ecological relationships, environmental protection of the ocean habitat, and marine research. This course includes several dissections, culminating with the shark dissection. Marine Ecology is a good starting place for anyone interested in a career in oceanography, marine biology, zoology, or fisheries. **The prerequisite for this course is Biology. You must also be a junior or senior to enroll in this course.**

Marine Ecology (Honors): A college level science elective designed for the student who has had high achievement in previous science courses. Content and principles for Marine Ecology Honors are the same as Marine Ecology, however they are taught in greater depth and at a faster pace. This course includes several dissections, culminating with the shark dissection. Marine Ecology is a good starting place for anyone interested in a career in oceanography, marine biology, zoology, or fisheries. **The prerequisite for this course is honors Biology. You must also be a junior or senior to enroll in this course.**

Anatomy & Physiology: This course is designed for students who are pursuing an Associates Degree or certificate in the medical field. Anatomy & Physiology is a course that will provide an overview of each of the human body systems. Dissections include a chicken wing, heart, brain, eyeball, and fetal pig. This course will be useful for students interested in pursuing a career in sonography, radiology, and dental or medical assistant fields. **Students should have earned a C or better in their prerequisite Biology course. You must also be a junior or senior to enroll in this course.**

Honors Anatomy & Physiology: This course is designed for students who are pursuing a minimum of a 4-year degree. Honors Anatomy & Physiology is a college-level course that covers the various systems of the human body in great depth. Dissections include a chicken wing, heart, brain, eyeball, and fetal pig. This course will be useful for students interested in pursuing a career in the medical, veterinary, dentistry, nursing, physical therapy, or sports medicine fields. **Students should have earned a B or better in their prerequisite Biology course. You must also be a junior or senior to enroll in this course.**

Introduction to Meteorology: This course is an introductory course to explore in more detail the sun, Earth, atmosphere, air masses, weather, climatology, and related careers. **This course is designed for students who have taken Earth Science.**

Research Methods and Honors Research Methods: This course is centered on the scientific method, presented through a variety of teacher and student selected science topics. Students would explore areas like genetics, polymers, and environmental concerns while learning appropriate research skills, reliable source evaluation, presentation processes, all while collaborating with peers. The Honors level would extend the research and require deeper understanding of topics and presentation skills. **This course is designed for those students who have completed Earth Science.**

SOCIAL STUDIES ELECTIVES



Contemporary Law and Justice (Academic or Honors): The Constitution meets “Cops,” a possible cure for a “Law and Order” addiction; this class will provide students with a concentrated study of the legal/judicial systems of North Carolina and the United States. The focus will be on Constitutional law, criminal law, and civil law; including legal principles, procedures, law-enforcement methods, and court procedures. This is a very relevant course to events going on every day in the news. The class will utilize current event materials, guest speakers, and video materials. **You must be a junior or senior to enroll in this course.**

Lessons of the Vietnam War (Academic or Honors): This course focuses on the Vietnam War and related issues. Topics include the geography, history, and culture of Vietnam, the ethical questions that arose during the conflict, the events of the social protest movement, worldwide response and involvement in Vietnam, problems of the Vietnamese refugees and US veterans, and Vietnam today. The course is also designed to study major trends and issues in the post-World War II era with an insight into the growing interdependence of nations of the world. Emphasis is placed on the decisions making process of the US in the field of foreign affairs. Recent problems, policies, and programs of the US are analyzed. **You must be a junior or senior to enroll in this course.**

Conversations in Diversity Honors: This course offers the opportunity to explore and reflect on a variety of perspectives of who we are and how our differences make America stronger and more interesting. The structure and content of this course will allow critical thinking, dialogue, and examination of identity, gender, sexuality, age, social status, disabilities, racism, discrimination, oppression, social justice and activism. Through formal and information discussion, individual exploration, research, reading, and writing, students will gain an appreciation for diversity in an effort to promote awareness and social change. "We talk about all the topics that the other classes are afraid to handle in an effort to understand the world around us and maybe make it better. GLH" **You must be a junior or senior to enroll in this course.**

AP Human Geography: Quite simply, AP Human Geography is the study of people from a spatial and ecological perspective. People are central to geography, as their activities and interaction with the physical environment help shape the Earth’s surface. Human settlements and structure are part of that tapestry of interaction. It is in this setting that humans either compete for control of space and resources or work out systems of social, economic, and political cooperation. There are seven topics included in the course framework: Nature and Perspectives, Populations, Cultural Patterns and Process, Political Organization of Space, Agriculture and Rural Land Use, Industrialization and Economic Development, and Cities and Urban Land Use. The course teaches students how to use and interpret maps, data sets, and geographic models.

AP World History: AP World History is a challenging course that focuses on the interaction between diverse human societies primarily over the past one thousand years. The objective is for students to develop a greater sense of comparative understanding of the causes and effects of such interactions upon different classes of peoples in different areas. The course will focus heavily on Asia, Africa, Latin America, and the Middle East; however, Europe and North America will be explored. It will be presented chronologically over six time periods that students

explore thematically. Rather than memorizing obscure facts, people, or events, the AP World History course emphasizes the development of historical thinking skills like interpretation, synthesis, contextualization, causation, historical argumentation, and use of historical evidence.

AP United States History: AP U.S. History is a chronological & thematic study of American history from pre-Columbian to present times through class discussion, cooperative learning, seminars, debates, films, primary source analysis, and a heavy emphasis on writing exercises. Students will be expected to integrate cultural, political, diplomatic, and economic history into the narrative of the American experience. Students will learn to form and express thoughtful and complex historical arguments. This course will fulfill the graduation requirements for American History I & II. Students who love American history and are willing to read, write, research, discuss and study this subject at the college-level should consider taking this course. This is a semester course. **You must be a junior or senior to enroll in this course.**

AP Government and Politics: If you love current events, politics and all things U.S. Government, this is the class for you! Join us as we explore the American constitutional government based on the principles of our government, interpretation of original documents, political beliefs and behavior, political parties and interest groups, national institutions and policy processes, and law. This is a highly structured, very interesting, very demanding, college-level course. Students are required not only to read the text, but also augment this material through research and supplemental articles and then critically apply the findings to the political nature of current governmental policies and analyze the ramification of these policies. One of the primary objectives of this course is to expose students to all areas of information covered on the AP exam. Thus, it is imperative that a high-level academic environment exist and that the student is dedicated to learning, and is highly motivated and willing to put forth the time and effort required for a course of this intensity. **You must be a senior to enroll in this course.**

AP Psychology: The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. For many of you, this will be your first experience with a social science course. You will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Specific topics of this course include social psychology, abnormal disorders and therapy, development, neurobiology, learning, thinking and language, sensation, perception, intelligence, personality, motivation and emotion. Students taking this course should expect a college-level work load including extensive reading, active involvement in class discussions, and conducting research. **You must be a junior or senior to enroll in this course.**

AP European History: The focus of this course is from the Renaissance and the Reformation to the post-World War II era. Emphasis is on three main themes: (1) political and diplomatic developments, (2) intellectual and cultural continuity and change, and (3) economic and social developments. Substantial out-of-class reading, writing, and research are expected. **You must be a junior or senior to enroll in this course.**

MATH ELECTIVES



AP Statistics: The AP Statistics curriculum is divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Statistics revolves around data – students in this course will learn how to collect data, represent data graphically, and analyze data. Statistics is a course that is required by most college majors; success in AP Statistics requires strong mathematical skills as well as the ability to write analytically. Calculators play an important role in this course – students should be competent with technology. **This course is designed for juniors and seniors; the prerequisite course for Statistics is Advanced Functions and Modeling or the corequisite course is precalculus Honors.**

AP Calculus AB: Four major themes are developed throughout Calculus: limits, derivatives, indefinite integrals, and definite integrals. Each topic or concept taught is presented numerically, geometrically, symbolically, and verbally. Appropriate mathematical communication is a major goal of the course. Students are expected to explain problems using proper vocabulary and terminology. The graphing calculator is used to help students develop an intuitive feel for concepts before they are approached through typical algebraic techniques. The calculator is used to serve as an exploration tool and not as a substitute for knowledge. At times, calculators will not be allowed on assessments. **The prerequisite course for AP Calculus is precalculus Honors.**

AP Calculus BC: Calculus BC will continue to explore the four major themes of Calculus: limits, derivatives, indefinite integrals, and definite integrals. Polar and parametric Functions will be used. Sequences and Series will also be studied in detail. Appropriate mathematical communication is a major goal of the course. Calculators will be used throughout the course, but, calculators will not be allowed on all assessments or parts of the AP Test. **The prerequisite course for AP Calculus BC is Calculus AB.**

PHYSICAL EDUCATION ELECTIVES

TEAM SPORTS I & II: The course objective is for students to perform team based activities while focusing on teamwork and sportsmanship. Students will participate in basketball, volleyball, soccer, hockey, handball, flag football, and softball.

WEIGHT TRAINING I, II, & III: The goal of weight training is to provide students with the opportunity to learn and develop muscular strength and endurance through a variety weight training exercises. Students will also learn how to safely develop various muscles/ muscle groups through a variety of weight training, exercises, and techniques.

PERSONAL FITNESS I & II: This class will help students realize the importance of leading a healthy lifestyle. Students will perform resistance training, cardiovascular training, and plyometrics. We, also we utilize popular programs such as P90x and Insanity. Heart Rate monitors allow us to monitor our students and their activity levels during class.

LIFETIME SPORTS I & II: This course focuses on individual activities such as bowling, archery, badminton, table tennis, tennis, Frisbee golf, golf and long toss games. This class allows students to take part in activities that can promote fitness throughout their lifetime.

PEPI I & PEPI II: (Physical Education Pupil Instructor) The PEPI program provides student the unique opportunity to teach elementary students different activities, as well as become mentors and role models. **This is an application course and you must be a junior or senior to enroll in this course.**

SPORTS MEDICINE I, II, III (H), & IV(H): These courses are designed to provide students with an understanding of the prevention, treatment, and rehabilitation of injuries occurring to athletes in an organized sports program as well as injuries occurring in lifelong sports and fitness activities. Students will gain knowledge in recognition of injuries, and through labs sessions, will have the opportunity to practice wrapping, taping, and other basic skills used in athletic training. Students will have the opportunity to observe evaluation, treatment and rehabilitation of actual injuries to Fuquay-Varina athletes while assisting with game and practice coverage.

SPORTS MANAGEMENT/OFFICIATING: This course is designed for students interested in learning and implementing the skills necessary to officiate individual and team sports. This course is valuable for students wishing to pursue potential officiating jobs in the fields of community recreation or youth sports. Opportunities for practical sports management skills (field/facility care, operations, public relations), as well as other community and school service activities are emphasized. **You must be a junior or senior to enroll in this course.**

STUDENT LEADERSHIP: This course is designed as a prevention program to train high school students for peer mentoring. Objectives include enhancing students' self-esteem, self-awareness, communication and social interaction skills, and leadership qualities. Course instruction includes a half-semester of lectures and experimental experiences. During the remainder of the course, students act as small group leaders, peer helpers, or activity leaders. The course includes interacting with a variety of students from various backgrounds. Peer leaders are selected on the basis of maturity and sense of responsibility.

WORLD LANGUAGE ELECTIVES

Spanish I: This course covers personality, school, foods, free time activities, and family. After finishing the course, students will have mastered the present tense. A family tree project will be completed at the end of the course.

Spanish II: This course covers daily life, extracurricular activities, shopping, map/driving, childhood, and celebrations. Students will gain an understanding of the two past tenses. Students will be able to write formal emails and speak in the present and past tenses at the end of the course.

Spanish III Honors: This course covers outdoor activities, the arts, health/exercise, relationships, and the workplace. Students will master the past tense, along with the subjunctive, imperative, and future models of language. Students watch a soap opera and read from various sources to work on listening/reading proficiency levels. Students compare Hispanic cultures to that of the United States.

Spanish IV Honors: This course covers literature of various Latin American authors. Students will be reinforced of all materials from levels I through III, and will also include mastery of the subjunctive mode. This class is conducted entirely in Spanish (95% or higher). Students will also prepare for the AP courses by practicing presentational skills in written and spoken Spanish.

AP Spanish Language: This course covers authentic print and non-print sources of information as and explores Hispanic cultures as well. Students work on all areas of proficiency in order to attain an intermediate high level. This class is geared towards preparation for the AP Exam in May.

AP Spanish Literature: The AP Spanish Literature course is designed to provide students with a learning experience equivalent to that of a third-year college course in Peninsular and Latin American literature. The expansive reading list introduces students to the diverse literature written in Spanish and thus helps them reflect on many voices and cultures included in this very rich literature. This class is geared towards preparation for the AP Exam in May.

Spanish I for Native Speakers: This course is geared towards students who are heritage or native speakers of Spanish. Students are placed in the appropriate Heritage Spanish level via placement test once enrolled in Heritage Spanish 1. In this course, students reflect upon Hispanic cultures and strengthen the foundation they already have in the language in formal writing and speaking. Students engage in conversations around cultural identities in the modern world and apply their learning through various projects to prove written and spoken mastery of the language.

Spanish II for Native Speakers (Honors): This course is geared towards students who are heritage or native speakers of Spanish. Students must have completed Heritage Spanish 1 or be placed into Heritage Spanish II via placement test given by the department. This course is a continuation of topics explored in Heritage Spanish I and focuses on cultural connections between different Hispanic communities. Students strengthen writing skills by practicing more advanced grammar in real-world contexts.

French I: This course covers personal description, family, school, food, community and other topics. Students will investigate documents and videos from French speaking countries to learn to speak, listen, read, write, and understand culture. We will use vocabulary and present-tense verbs as tools toward the goal of real French communication.

French II: Topics in French 2 include music, sports, clothing, the home, daily life, and school,. We will continue to use authentic French documents in our quest to speak, listen, read, and write and write. Students will learn to use past tenses as they communicate in French.

French III Honors: In French 3, students will deepen their ability to understand spoken French using popular vloggers, musicians, and news broadcasts. We will explore topics such as nature, travel destinations, cooking, and media personalities as we solidify our use of past tenses and learn about future, conditional, and subjunctive. By the end of French 3, students begin to speak more and can handle basic tourist tasks in French.

French IV Honors: In French 4 we will examine topics such as social media, dating, high school and college, jobs, French history, and other topics of interest to the class. Students will speak entirely in French as we work to solidify the grammar from French 1-3 and to build vocabulary. By the end of French 4, speaking and listening are becoming more comfortable and students are on the path to a lifetime of French fluency!

AP French Language: This course prepares students for the rigorous AP exam. Students will join the French 4 class in exploring topics of current interest while building vocabulary and reinforcing grammar. Additionally, AP Students will complete exam prep assignments. Students who successfully complete AP French can speak, listen, read, and write and an intermediate-high level and are ready for advanced study in a French speaking country.

German I: This class covers vacations, animals, hobbies, restaurants, holidays, and other basic information. Students will gain a mastery in the present tense and accusative cases. Students will learn simple sentence structure and reading of simple passages for reading comprehension.

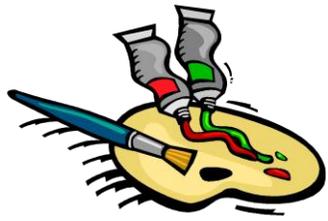
German II: This course covers school, weather, birthdays, household, and holidays. Students will gain a mastery in the past tense and all case structures. A review of Level I information is done at the start of the semester. Students will learn simple sentence structure and reading of simple passages for reading comprehension.

German III Honors: This course covers fairy tales and numerous short stories in the German language. Students gain a master of the present and past tenses. Students study World War II in depth from the German perspective.

German IV Honors- This course centers around a novel read in class in the German language. Students study the practices, products, and perspectives of Berlin and the GDR (east Germany). Students finish the semester with a project in which they design a 2-week trip in the country, complete with a budget.

AP German Language: This course is designed to promote proficiency in German and will enable students to explore culture in contemporary and historical contexts. The course focuses on communication and teaches students skills and abilities in the various modes of communication.

ARTS AND FINE ART ELECTIVES



Visual Arts Beginning: This course introduces the elements and principles of design through an exploration of a broad range of media. Skills emphasized are drawing, painting, graphics, fibers, ceramics, art history, and a 3D design.

Visual Arts Intermediate: Students will be challenged to evaluate their art products, to solve problems in terms of the chosen art media, and to learn concepts and skills as they relate to personal art expression. Emphasis is on craftsmanship, technique, and creativity. A final portfolio is required and honors credit is earned.

Visual Arts Proficient Honors: This level of advanced art involves more in depth knowledge of processes, media, history, and the development of art. Students understand and apply all skills through a variety of media. Success at the honors level requires rigorous study, excellence in design and production, and extensive knowledge in a variety of art forms.

Visual Arts Advanced Honors: Students develop, clarify, and apply the philosophy of art and art making acquired in Art 3 through in-depth, independent, and advanced exploration with media, technique, and aesthetics. A portfolio of high quality work that demonstrates a broad base of knowledge is required and honors credit is earned.

Sculpture & Ceramics I Intermediate: This course includes the fundamentals of 3-D modeling & composition planning. Various types of clay construction and glazing techniques are explored.
The prerequisite for this course is Visual Art I.

Sculpture & Ceramics II Proficient Honors: Students gain a better grasp of working with 3-D media in an out-of-the-box, in-depth way. We work with Paper, Wood, Plaster, Foam, Paper Mache, and of course, Clay. We also Re-Develop "Found" materials and recyclables!

AP Art History: This course requires students to make an extensive connection between the art of each time period, beginning with Paleolithic and ending with Postmodernism, and its relationship to culture. Students will use aesthetic judgment and art criticism to compare and contrast the many facets of art. It is expected that students enrolled in this course will take the College Board Advanced Placement Test. **You must be a junior or senior to enroll in this course.**

Music Appreciation: This course focuses on music's relationship to other arts disciplines, humanities, and world cultures.

Instrumental Band Beginning, Intermediate, Proficient, & Advanced: Previous band experience and/or audition required.

CHORUS ELECTIVES



Vocal Music Choral Ensemble Beginning (W): This course is an all-women's ensemble comprised of 9th-12 grade Women. They have a low performance schedule of four concerts a year and 1-2 school day performances. They will perform with the men's ensemble at every concert, but the classroom is specifically designed for all women as we focus on their specific singing techniques. This is a non-auditioned ensemble who will learn advanced singing techniques. **Uniform and yearly choral fees apply and are extra to the ensemble.**

Vocal Music Choral Ensemble Beginning (M): This course is an all Men's ensemble comprised of 9th-12 grade Men. They have a low performance schedule of four concerts a year and 1-2 school day performances. They will perform with the women's ensemble at every concert, but the classroom is specifically designed for all men as we focus on their specific singing techniques. This is a non-auditioned ensemble who will learn advanced singing techniques. **A one-time uniform fee and yearly choral fees apply and are extra to the ensemble.**

Vocal Music Choral Ensemble Intermediate (W): This course is an all-women's ensemble comprised of 9th-12 grade Women. They have a medium performance schedule of 4-6 concerts a year, 1-2 community performances and 1-2 school day performances. They will perform with the men's ensemble at every concert, but the classroom is specifically designed for all women as we focus on their specific singing techniques. This is a non-auditioned ensemble who will learn advanced singing techniques. **A one time uniform fee and yearly choral fees apply and are extra to the ensemble.**

****Note, students who have been in chorus for more than two years will be given Honors Credit for the course.****

Vocal Music Choral Ensemble Intermediate (M): This course is an all Men's ensemble comprised of 9th-12 grade Men. They have a medium performance schedule of 4-6 concerts a year, 1-2 community performances and 1-2 school day performances. They will perform with the women's ensemble at every concert, but the classroom is specifically designed for all men as we focus on their specific singing techniques. This is a non-auditioned ensemble who will learn advanced singing techniques. **A one time uniform fee and yearly choral fees apply and are extra to the ensemble.**

****Note, students who have been in chorus for more than two years will be given Honors Credit for the course.****

Vocal Music Special Choral Ensemble Advanced Honors: This course is designed for 10th-12th grade male and females students who have developed advanced vocal technique and sight-singing skills. This is a small mixed ensemble of no more than 30 students and is audition only. This ensemble is mainly comprised of 11th and 12th grade students, but there are a few 10th grade openings. These students have a heavy performance and travel schedule throughout the year and represent FVHS. These students have placed chorus a high priority in their high school experience. **Uniform, travel fees, and yearly choral fees apply and are extra to the ensemble.**

THEATRE ARTS ELECTIVES



For the Actor...

Theater Arts Beginning, Theatre Arts Intermediate, Theater Arts Proficient (Honors), & Theater Arts Advanced (Honors) - This course trains students in basic aspects of movement for the stage and vocal expression. Class activities include Pantomime, Improvisation, and Solo and Ensemble Acting. Students' memorized acting work is presented at least once every week. Students will also study selected plays and Origins of the Theater. These classes culminate in a polished performance before an invited audience.

For the designer...

Technical Theater Beginning, Technical Theater Intermediate, Technical Theater Proficient Honors - This course allows students to explore "Back Stage." Areas of study include Scenery Construction, Scenic Painting, Properties and Lighting for the Stage. This is a "laboratory" course: the majority of class time is spent building scenery for the school's theater production. Students have the opportunity to be backstage as crewmembers for school productions. Students who enjoy carpentry and painting will excel in these classes.

CTE Electives



Criminal Justice Classes (Offered at FVHS through Wake Tech)

The Criminal Justice curriculum provides knowledge of criminal justice systems and operations. Coursework focuses on local, state, and federal law enforcement, judicial processes, corrections, security services, and an exploration of the role of the criminal justice system in society. The following courses are each worth 3 credit hours.

CJC 111	Introduction to Criminal Justice
CJC 112	Criminology
CJC 121	Law Enforcement Operations
CJC 122	Community Policing
CJC 131	Criminal Law

Agriscience Applications: Agriscience Applications is the introductory course for the secondary agricultural education curriculum in North Carolina. This is a survey course that allows students to study a diverse group of topics in the ever-changing field of agriculture. Throughout the course students will complete units that offer knowledge in various agricultural topics and allow students to learn and apply specific skills. There are no prerequisites for this course.

The following units will be covered: FFA/ Leader, Animal Science, Environmental/ Natural Science, Plant Science (Horticulture & Agronomy), Biotechnology, Agricultural Engineering.

Agriculture Mechanics I: Introduce students to the basic skills of agriscience structures and mechanical systems. Topics include: leadership, safety, tool usage, carpentry, electrical wiring, project planning, and welding. Students can also earn an OSHA certification in Agricultural Safety. Prerequisite: None.

Agriculture Mechanics II: Leadership, safety, plumbing, concrete, agriscience machinery, and advanced welding and metal fabrication techniques are discussed. Students can also earn a certification as an AWS certified welder.

Prerequisite: Agriculture Mechanics I.

Agriculture Mechanics II (Honors): The same as described in Agriculture Mechanics II, as well as completion of a portfolio to demonstrate mastery of high academic achievement.

Prerequisite: Agriculture Mechanics I.

Agriculture Mechanics II Small Engines: Small Engine systems operations and maintenance in topics such as: Compression, fuel, electrical, cooling, lubrication, parts selection, and engine repowering. Students can also earn the Briggs and Stratton Beginning Service Technician Certification.

Prerequisites: Agriculture Mechanics I and Agriculture Mechanics II.

Horticulture I: Horticulture I is an introductory course in the broad field of horticulture. The purpose of this course is to introduce students to fundamental principles and skills in all areas of plant science. The students are educated in all aspects of plant production and will try their hands at apply the skills and knowledge they learn in the classroom. Plant Identification is also a big part of this class. The

students will learn the scientific and common name of a number of prevalent horticultural plants. They will also be able to visually identify these plants.

The following units will be covered: Leadership, Plant Industry Careers, Plant Physiology, Plant Growth and Development, Soils, Nutrients, Fertilizers, Garden Planning, Pest Identification and Management.

Horticulture II: Horticulture II is secondary course for students enrolled in the Horticulture component of the Agricultural Education Curriculum. It is a technical course designed to expand students' knowledge in specific principles and processes related to Horticulture. Students are included our greenhouse production goals, and are responsible for planting, growing, and caring for our plants up until our annual plant sale. Plant Identification is also a big part of this class. The students will learn the scientific and common name of a number of prevalent horticultural plants. They will also be able to visually identify these plants.

(This plant list will not have any repeats from Horticulture 1)

The following units will be covered: Plant Identification, Greenhouse Plant Production, Landscape Design and Maintenance, Floral Design, Nursery Production, Lawn Establishment and Maintenance, Pest Management, Leadership.

Horticulture II (Honors): All info included and mentioned in the Horticulture II AS WELL AS completion of an honors portfolio to demonstrate mastery of high academic achievement.

Prerequisite: Horticulture I

CompTIA IT Fundamentals (Previously Fundamentals of IT): This introductory course will provide students with the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals, and security. In addition, students will have the ability to demonstrate their knowledge to: install software, establish basic network connectivity, identify/prevent basic security risks, explain troubleshooting theory and preventative maintenance of devices. Work-based learning strategies appropriate for this course include service learning and job shadowing. Future Business Leaders of America (FBLA) and SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Digital Design & Animation I (Replaces Sci-Vis I): Students use complex 2D/3D graphics, animation, editing, and image analysis tools to better understand, illustrate, explain, and present various concepts and principles. Students will use a wide range of programs including Photoshop, Illustrator, Premiere, 3DS Max and more. Provides a clear pathway to understanding design fundamentals for more advanced creations in later classes such as Game Art Design and Digital Design & Animation II (H).

Prerequisite: None

Digital Design & Animation II (HONORS Only) (Replaces Sci-Vis II): This course provides students with advanced skills in the use of complex visualization tools. Such tools include Adobe Programs such as Photoshop, Illustrator, Premiere, and Animate. Students will focus on advanced visualization by creating animations, videos and graphics from the ground up. This class requires a good understanding of 2D/3D graphics as well as a willingness to work in groups and independently to create original pieces of work. **Prerequisite: Digital Design & Animation I**

Game Art Design (HONORS Only): This course serves as an entry point for those who want to learn how games are created and eventually work in the game industry. Students look at and examine history of games, player interactions in digital and non-digital games, board game creation, 2D and 3D game elements as well as the creation of 2D and 3D games. This class requires an understanding of 2D

and 3D element creation using Adobe Software and 3DS Max. Students will also begin to learn and utilize Unity game engine.

Prerequisite: Digital Design & Animation I

SAS Programming I (Honors): This course is the entry point for students to learn SAS programming. Students will learn how to plan and write SAS programs to solve common data analysis problems. Instruction provides practice running and debugging programs. The emphasis is placed on reading input data, creating list and summary reports, defining new variables, executing code conditionally, reading raw data files and SAS data sets, and writing the results to SAS data sets. Mathematics is reinforced throughout the course. This course can help prepare students for the SAS Base Programming Exam for SAS 9 certification exam.

Prerequisite: Computer Programming or Python Programming.

Python Programming I (Replaces Computer Programming I): This course is designed to introduce Python as a beginning course (not intended for experienced programmers). The course is designed for students to learn and practice coding in an online environment that requires only a modern web browser and Internet connection. No special software is required to complete this course. The course includes video content, practice labs, and coding projects. Mathematics is reinforced.

AP Computer Science A: This class teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem solving and algorithm development, and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. This course will prepare students for the end-of-course AP Exam. Successful AP exam scores are accepted as credit by most universities.

AP Computer Science Principles: This course introduces students to the creative aspects of computer programming, abstractions, algorithms, the Internet, cybersecurity, and how computing impacts our world. Students will develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving. The course will emphasize how computer science empowers discovery and progress in other fields. The course will prepare students for the end-of-course AP Exam. Students that successfully complete this course will earn AP credits for many universities.

Technology, Engineering and Design: Through engaging activities and hands-on project-based activities, students are introduced to elements and principles of design, basic engineering, problem solving, and teaming. Prerequisite: None

Technological Design I (HONORS): This course continues to apply the skills, concepts, and principles of design. The design fields of graphics, industrial design, and architecture receive major emphasis. Engineering content and professional practices are presented through practical application. This honors level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement.

Prerequisite: Technology, Engineering, & Design

Drafting I: This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas and concepts found in the areas of architecture, manufacturing, engineering, science, and mathematics. Topics include problem-solving strategies, classical representation methods such as sketching, geometric construction techniques, as well as computer assisted design (CAD), orthographic projection, and 3D modeling.

Drafting II Architectural (Honors): This course focuses on the principles and concepts of architectural design, and the use of Building Information Modeling (BIM), used in the field of architecture. An emphasis is placed on the use of 3D CAD tools in the design and execution of floor plans, foundation plans, wall sections, and elevation drawings. An understanding of 3D CAD concepts and terms, and the use of 3D CAD software such as REVIT, are essential to this course, and the required method of producing finished drawings.

Prerequisite: Drafting I

Drafting II Engineering (Honors): This course focuses on the engineering graphics introducing the student to symbol libraries, industry standards, and sectioning techniques. Topics include coordinate systems, principles of machine processes and gearing, and the construction of 3D wireframe models using computer assisted design (CAD). English language, math, and science are reinforced.

Health Science I: This course looks at human anatomy, physiology and human body diseases and disorders, and biomedical therapies. Projects, teamwork, and demonstrations reinforce the curriculum content.

Prerequisite: None

Health Science II: Expands understanding of financing and trends of health care agencies, fundamentals of wellness, legal and ethical issues, teamwork, and effective communication.

Prerequisite: Health Science I

Health Team Relations: This course is designed to assist potential health care workers in their role and function as health team members. Topics include medical terminology, the history of health care, healthcare agencies, ethics, legal responsibilities, health careers, holistic health, health care trends, cultural awareness, communication, medical math, leadership, and career decision making. English language arts are reinforced.

Project Management (Google Mobile App Development): **App Development is about creativity, empowerment, and computing.** Computer science and computing-related fields have long been introduced to young people in a way that is disconnected from their interests and values – emphasizing technical detail over creative potential. This course supports the development of personal connections to computing, by drawing upon creativity, imagination, and interests

Accounting I (Honors): This course is designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on the analysis and recording of business transactions, preparation, and interpretation of financial statements, accounting systems, banking and payroll activities, basic types of business ownership, and an accounting career orientation. Mathematics is reinforced.

Entrepreneurship I (Honors): Fancy yourself the next Steve Jobs, Jeff Bezos, or Oprah? In this course, students develop components of a business plan and learn what it REALLY takes to start and run a successful business.

Prerequisite: Marketing or Principles of Business and Finance. Suggested for juniors and seniors.

Marketing: **What if you had to grow your own food, make your own clothes, and build your own house? Thanks to marketing, you don't!** In this course, students will learn the processes involved from creation through consumption of products and services while understanding product, price, place and promotion. **Important note:** students who receive an "A" on the CTE Post Assessment (final exam) and

successfully complete the course with at least a “B” average may receive Wake Tech (or any North Carolina Community College system school) credit for this course, no matter what grade they are in when they take the course.

Prerequisite: None

Microsoft Excel: Learn to use spreadsheets and manage workbooks as well as how to manage, manipulate, and format data. This course prepares students for the Microsoft Office Excel Specialist and Microsoft Office Excel Expert certifications.

Microsoft Excel (Honors): All mentioned in Microsoft Excel, as well as completion of an honors project and a portfolio to demonstrate mastery of high academic achievement.

Microsoft Word and PowerPoint: Students will create, enhance, customize, share and create complex documents and presentations. This course prepares students for the Microsoft Office Specialist certification.

Prerequisite: None

Microsoft Word and Powerpoint (Honors): All mentioned in Microsoft Word and PowerPoint, as well as completion of two Honors Projects and a portfolio to demonstrate mastery of high academic achievement. Prerequisite: None

Personal Finance: This course gives students a consistent framework for thinking through financial choices in order to improve their well-being. Decisions require action. Students who *take charge* of their finances are better prepared to invest in themselves and cope with the financial ups and downs that life will bring.

Principles of Business and Finance: Students explore finance, management, and marketing to cover business in the global economy, functions of business organization and management, marketing basics, and risk management.

Sports and Entertainment Marketing II (Honors): Students take the marketing concepts learned in Sports and Entertainment Marketing I on to the next level. Emphasis is on business management, career development, client relations, contracts, data collection, merchandising, ethics, event and facilities management, legal issues, and sponsorships. Students in the class prepare an Honors Project as they promote a FVHS team or event for the entire semester.

Prerequisite: Sports & Entertainment Marketing I

Adobe Visual Design: This course is a project-based course that develops ICT, career, and communication skills in print and graphic design using Adobe tools. This course is aligned to Adobe Photoshop, InDesign, and Illustrator certification. English language arts are reinforced.

Adobe Video Design: This course is a project-based video course that develops career and communication skills in video production using Adobe tools. This course is aligned to Adobe Premiere certification. English language arts are reinforced.

Prerequisite: Adobe Visual

Adobe Digital Design: This course is a project-based course that develops ICT, career, and communication skills in Web design using Adobe tools. This course is aligned to Adobe Dreamweaver certification. English language arts are reinforced.

Prerequisite: Adobe Visual

Advanced Digital Media (Honors): This course is the second in a services of courses that provides students with industry knowledge and skills in the overall digital media design field. Areas covered in this course include graphics, animation, video, and web design. An emphasis is placed on the fundamental concepts of graphic design, various digital media technologies, non-linear editing, product development and design, and career development. Art, English language arts, and mathematics are reinforced. **Will only be offered for a limited time. Prerequisite: Digital Media 1 (No longer offered; Adobe Visual has taken its place.)**

Core and Sustainable Construction: This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. SkillsUSA competitive events, community service, and leadership activities. The course content includes Basic safety, construction math, introduction to hand tools, introduction to power tools, introduction to blueprints, material handling, basic employability skills, and the Green Environment.

Prerequisite: None

Masonry I: Introduces the nature of masonry technology, materials and supplies, and employability skills. The content includes introduction to Masonry, Tool and Equipment, Measurement & Drawing, and Masonry units and Installation. Work- based learning strategies appropriate for this course include a **paid pre-apprenticeship program**, cooperative education, internship, and job shadowing. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. SkillsUSA competitive events, community service, and leadership activities.

Prerequisite: Core/Sustainable Construction.

Masonry II: Provides advanced masonry skills including measurements, drawing and specifications, Residential Masonry, Grout and Reinforcement, Metalwork in Masonry, Weatherization and installation techniques. Work- based learning strategies appropriate for this course include a **paid pre-apprenticeship program**, cooperative education, internship, and job shadowing. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. SkillsUSA competitive events, community service, and leadership activities.

Prerequisite: Masonry I

Masonry II (Honors): Work- based learning strategies appropriate for this course include a **paid pre-apprenticeship program**, cooperative education, internship, and job shadowing. As mentioned in Masonry II as well as completion of a portfolio to demonstrate mastery of high academic achievement.

Prerequisite: Masonry I

Masonry III: This course content includes Advanced laying techniques, Apply construction techniques and Moisture control, and Construction Inspection and Quality control. Work- based learning strategies appropriate for this course include a **paid apprenticeship program**, cooperative education, internship, and job shadowing.

Prerequisite: Masonry II

Apparel and Textile Production I: Learn the basics of sewing/fabrics to construct apparel items. Explore textiles, clothing care, fashion. Students must provide their own materials on due dates.

Apparel & Textile Production II: Students will learn the ins and outs of the apparel and textile industry. This class runs a class business, the 'Bengal Boutique,' and along the way will learn some advanced sewing techniques to use in apparel items. Students must provide their own materials. Textiles/entrepreneurship/careers are also covered.

Prerequisite: Apparel Development I

Apparel & Textile Production II (Honors): As mentioned in Apparel Development II as well as completion of a portfolio to demonstrate mastery of high academic achievement.

Prerequisite: Apparel Development I

Parenting and Child Development: Learn about being a great parent or caregiver! Take a practice baby home or wear the empathy belly to simulate pregnancy! This class offers information on parenthood decisions, child care centers, childproofing, pregnancy and labor, and development and care of infants, toddlers, and preschoolers.

Early Childhood Education I: Do you want to work with young children? Apply for this class and be able to work off campus three days a week in preschool or elementary school classrooms! Areas of study include personal and professional skills and reflection, child development from birth to age 12, learning how to teach and guide young children, and career opportunities related to early childhood. This course includes an internship that makes up 50 percent of instructional time.

Prerequisite: This is an application course requiring teacher recommendations.

Early Childhood Education II (Honors): If you've already taken ECE I and want to dive deeper into working with young children and the rules and regulations of NC child care, this advanced experience also includes an internship that makes up 50% of instructional time. Completion of a digital portfolio to demonstrate mastery of high academic achievement will be required for the honors component.

Prerequisite: Early Childhood Education I. This is an application course requiring teacher recommendations.

Foods and Nutrition I: Nutrition and Foods assists students in understanding the role of nutrition in health and wellness. Demonstrations, hands-on food labs, guided instruction and cooperative learning are used throughout the course. Ultimately, students will be given the opportunity to have the necessary skills to plan, purchase and prepare nourishing meals and to evaluate and improve their day-to-day food choices.

Foods and Nutrition II –Students will experience the intersection of nutrition and food preparation, while building skills for an expanding range of career opportunities. Emphasis is placed on health and social responsibilities while improving the way people eat. Students learn how to manage food safety, plan, and prepare meals for a variety of consumers and clients, and explore the food system and global cuisines.

Prerequisite: Foods I

Foods and Nutrition II (HONORS): In addition to the standard course requirements Foods II-Enterprise, this honors level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement.

Prerequisite: Foods I.

Principles of Family and Human Services: Do you love helping and working with others? This course is geared toward individuals who may work in the Human Services field, helping build communities and offering assistance and enrichment to underserved populations. This class includes a strong focus on life literacy skills. The following units will be covered: Personal and professional success, life literacy and management, individual and family systems, the Human Services field, and professional skills for the Human Services field. Emphasis is placed on human development, professional skills, diversity, analyzing community issues, life management, and human ecology. A second level course is currently being developed and will be offered shortly in the future!

Teaching as a Profession I Honors

Teaching as a Profession II Honors

Teaching as a Profession II Field Experience Honors

Have you ever considered becoming a teacher? Would you like to receive honors credit AND potentially earn college credit too? The Future Teachers of North Carolina Program (FTNC) is a **BRAND NEW** collaborative partnership between North Carolina Agricultural & Technical State University, the University of North Carolina Wilmington, Western Carolina University, and the North Carolina Department of Public Instruction. The program is designed to encourage high-achieving high school students with strong academic, interpersonal, and leadership skills to consider teaching as a career. This is an exciting hands-on exploration of the teaching profession. It includes observations and field experience in local schools. Learn about the history of education and the teaching profession, the North Carolina teacher licensure process, and instructional strategies to help you decide if teaching is a potential career option for you. Participate in field trips, which may include college days at associated North Carolina colleges and universities.

While this course will provide invaluable experience if you are interested in a teaching career, you do NOT have to plan on a career in teaching to benefit from this class. This is an application course. **Prerequisites: Requires a 3.0 GPA and teacher recommendations. Must have taken and passed Level I to take Level II. For juniors and seniors only.**

CTE Internship

CTE Internship Honors

Have you taken several CTE courses and looking to expand your horizons? In an internship you can gain many invaluable skills through a professional learning experience. You will: gain real work experience and provide meaningful assistance to a company, have a mentor who provides guidance, feedback, receptiveness and models professionalism, gain experience and skills in a particular field and develop professional contacts.

Prerequisites: Juniors and seniors only.