

PROGRAM OF STUDIES

2025–2026

Fauquier High School, est.1963 - Liberty High School, est.1994 - Kettle Run High School, est.2008



FAUQUIER COUNTY PUBLIC SCHOOLS

HIGH SCHOOL PROGRAM OF STUDIES 2025 – 2026



The cover for the 2025 – 2026 Program of Studies was designed by Ava Neidich, a Graphic Imaging student at Liberty High School

Fauquier County high schools are accredited by the Southern Association of Colleges and Schools, the Virginia State Board of Education, and the Virginia Department of Education.

Language Assistance

If you need assistance understanding this information in a language other than English, please email FCPSInterpreter@fcps1.org or call 540-422-7118.

Arabic

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Farsi (Dari/Afghan)

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Vietnamese

Nếu quý vị cần trợ giúp để hiểu thông tin này bằng ngôn ngữ khác ngoài tiếng Anh, vui lòng gửi email tới địa chỉ FCPSInterpreter@fcps1.org hoặc gọi 540-422-7118.



MISSION STATEMENT

Fauquier County Public Schools, an innovative learning community, is committed to developing creative, confident, and knowledgeable citizens who are globally competitive by cultivating the potential of each learner.

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Section I

General Information



General Information

The *Program of Studies* is designed to help you plan your high school course of study. Before registering, read it carefully and discuss your academic plan with your family, school counselor, and teachers. The *Academic and Career Planning Guide* included at the end of Section I of this book can help you outline your high school courses for the remainder of your high school years.

Planning Your Future

Your academic plan will include courses that fulfill Fauquier County Public Schools' graduation requirements for the Standard Diploma or Advanced Studies Diploma while supporting your personal and career goals. Your school counselor can help you:

- Explore your interests
- Assess your needs
- Identify your strengths and talents

Counselors can provide current information about post-high school options, such as four-year and two-year colleges, technical and trade schools, and military and career pathways.

When choosing courses, remember that college admissions and job markets are highly competitive. Admissions officers and employers look at the difficulty of your courses and the quality of your performance. If you plan to continue your education, note that admission requirements vary across institutions. However, surveys of Virginia colleges show that the rigor of your high school coursework is a key factor in admissions decisions. Highly selective universities typically expect to see challenging courses—such as Honors, Advanced Placement (AP), or Dual Enrollment (DE)—in subjects like English, World Languages, Mathematics, History, Social Science, Science, and Art.

If you're interested in gaining practical skills for college or pursuing technical fields, consider earning Career and Technical Education (CTE) certifications. These certifications are awarded after passing a state-approved exam. For a full list of available certifications, refer to the CTE section in this *Program of Studies*.

When choosing a diploma track, remember that both options allow you to pursue higher education and enter the workforce. With either diploma, you can apply to four-year universities, community colleges, or technical schools, provided you meet their requirements. Additionally, students who gain essential skills in high school may find employment opportunities directly after graduation.

Organization of the Program of Studies

The *Program of Studies* has two main sections:

1. **General Information:** Outlines graduation and diploma requirements and policies that may impact your academic choices. Please review this carefully to avoid misunderstandings and missed deadlines.
2. **Course Catalog:** Provides detailed information on each course offered by Fauquier County high schools.

Profile of a Virginia Graduate

Virginia's graduation requirements set high standards in core subjects such as English, Mathematics, Science, and History and Social Science while reducing the number of required Standards of Learning (SOL) tests for a diploma. These requirements include the Profile of a Virginia Graduate, which outlines the knowledge, skills, attributes, and experiences that employers, higher education institutions, and the Virginia Board of Education consider essential for future success.

What is the Profile of a Virginia Graduate?

A student meeting the *Profile of a Virginia Graduate* has achieved the Commonwealth's high academic standards and graduates with workplace skills, a sense of community and civic responsibility, and a career plan aligned with the student's interests and experiences.

The Five Cs

To meet the Profile of a Virginia Graduate, schools help students develop these five core competencies, known as the "Five Cs":

1. **Critical Thinking:** Analyzing, interpreting, and questioning to deepen understanding through real-world experiences.
2. **Creativity:** Being inventive and curious, exploring multiple solutions through inquiry.
3. **Communication:** Writing, speaking, and advocating in various forms to persuade and inform.
4. **Collaboration:** Working independently and with others, using empathy to appreciate diverse perspectives.
5. **Citizenship:** Contributing to the community through leadership and engaging with local and global issues.

The career-planning component of the Profile of a Virginia Graduate encourages students to explore employment options and career paths, starting as early as elementary and middle school. While no specific career-related activity, such as an internship or job shadowing, is required to earn a diploma, school divisions must provide students with opportunities to learn about workplace expectations and career options within their community and beyond.



For more information,
please visit:

<https://www.doe.virginia.gov/parents-students/for-students/graduation/policy-initiatives/profile-of-a-virginia-graduate>

For more information,
please scan QR code:



Virginia High School Graduation Requirements Standard Diploma

For Students Entering 9th Grade in 2018 and Beyond

Required Courses	Standard Units of Credit	Verified Units of Credit
English: 9, 10, 11, and 12	4	2
Mathematics Courses completed to satisfy this requirement shall include <u>at least two different</u> course selections from Algebra I, Geometry, AFDA, Algebra II, or other mathematics courses approved by the Board to satisfy this requirement. An approved computer science course credit earned by students may be considered a mathematics credit.	3	1
Science Courses completed to satisfy this requirement shall include course selection from <u>at least two different science disciplines</u> : Earth Sciences, Biology, Chemistry, or Physics. AP Computer Science A is an approved computer science course that students may use to earn a third science credit. A laboratory science verified credit may be awarded to students who complete a CTE program sequence and pass a combination of two credentialing exams or licenses per VDOE guidelines.	3	1
History and Social Sciences Courses completed to satisfy this requirement shall include World History and Geography to 1500, World History and Geography 1500 to Present, Virginia and U.S. History, and Virginia and U.S. Government.	4	1
Health and Physical Education 9 and Health and Physical Education 10 Health and PE 9 also incorporates First Aid, CPR, and AED training.	2	0
World Language, Performing Arts OR Career and Technical Education Credits earned for this requirement shall include one credit in Performing Arts, or Career and Technical Education.	2	0
Economics and Personal Finance This course also meets the requirement for a virtual course with integrated online units.	1	0
Electives Courses to satisfy this requirement shall include at least two sequential electives. One credit may come from World Language, Fine Arts, or Career and Technical Education.	3	0
Total Credits Required	22	5

Additional Requirements for Graduation

- ❖ **AP, Honors Dual Enrollment, Work-Based Learning, or CTE Credential:** Students must either: (i) complete an Advanced Placement, Honors, or Dual Enrollment course; (ii) complete a high-quality work-based learning experience, as outlined by Board guidance; or (iii) earn a Career and Technical Education (CTE) credential approved by the Board. The CTE credential may include an industry certification, a state licensure exam, a national occupational competency assessment, or the Virginia Workplace Readiness Assessment.
- ❖ **First Aid, CPR, and AED Training:** Students are required to receive training in first aid, cardiopulmonary resuscitation (CPR), and the use of automated external defibrillators (AED), including hands-on practice in CPR. Students with an IEP or 504 plan documenting that they cannot successfully complete this training are eligible for a waiver from this graduation requirement.
- ❖ **Demonstration of the 5 C's:** In accordance with the Profile of a Virginia Graduate, students must acquire and demonstrate foundational skills in Virginia's 5 C's (**Critical Thinking, Creative Thinking, Collaboration, Communication, and Citizenship**).
- ❖ **Virtual Course:** Students must successfully complete one virtual course, which may be a non-credit-bearing course or a required elective credit-bearing course that is offered online.

Standards and Verified Credits

For students entering ninth grade in 2018 and beyond, Virginia's graduation requirements maintain the same number of standard credits for both the Standard Diploma and Advanced Studies Diploma but reduce the required verified credits to five. These include one verified credit each in English Reading, English Writing, Mathematics, Science, and History and Social Science.

High school students can earn verified credits and demonstrate course mastery through locally developed performance-based assessments, particularly in History and Social Science. These assessments provide students with an opportunity to apply their learning and showcase critical thinking, creative thinking, communication, collaboration, and citizenship skills.

Virginia High School Graduation Requirements

Advanced Studies Diploma

For Students Entering 9th Grade in 2018 and Beyond

Required Courses	Standard Units of Credit	Verified Units of Credit
English: 9, 10, 11, and 12	4	2
Mathematics Courses completed to satisfy this requirement shall include <u>at least three different</u> course selections from Algebra I, Geometry, Algebra II, or other mathematics courses <u>above the level of Algebra II</u> . An approved computer science course credit earned by students may be considered a mathematics credit.	4	1
Science Courses completed to satisfy this requirement shall include course selection from <u>at least three different science disciplines</u> : Earth Sciences, Biology, Chemistry, or Physics AP. Computer Science A is an approved computer science course that students may use to earn a fourth science credit.	4	1
History and Social Sciences Courses completed to satisfy this requirement shall include World History and Geography to 1500, World History and Geography 1500 to Present, Virginia and U.S History, and, Virginia and U.S Government.	4	1
World Language Courses completed to satisfy this requirement shall include three years of one language or two years of two languages. A student pursuing an Advanced Studies Diploma whose IEP specifies a credit accommodation for a World Language may substitute two standard units of credit in computer science for two standard units of credit in a World Language.	3 or 4	0
Health and Physical Education 9 and Health and Physical Education 10 Health and PE 9 also incorporates First Aid, CPR, and AED training.	2	0
Fine Arts or Career and Technical Education	1	0
Economics and Personal Finance This course also meets the requirement for a virtual course with integrated online units. Students will take the WISE Exam.	1	0
Electives Courses to satisfy this requirement shall include at least two sequential electives. One credit may come from World Language, Fine Arts, or Career and Technical Education.	2 or 3	0
Total Credits Required	26	5

Additional Requirements for Graduation

- ❖ **AP, Honors Dual Enrollment, Work-Based Learning, or CTE Credential:** Students must either: (i) complete an Advanced Placement, Honors, or Dual Enrollment course; (ii) complete a high-quality work-based learning experience, as outlined by Board guidance; or (iii) earn a Career and Technical Education (CTE) credential approved by the Board. The CTE credential may include an industry certification, a state licensure exam, a national occupational competency assessment, or the Virginia Workplace Readiness Assessment.
- ❖ **First Aid, CPR, and AED Training:** Students are required to receive training in first aid, cardiopulmonary resuscitation (CPR), and the use of automated external defibrillators (AED), including hands-on practice in CPR. Students with an IEP or 504 plan documenting that they cannot successfully complete this training are eligible for a waiver from this graduation requirement.
- ❖ **Demonstration of the 5 C's:** In accordance with the Profile of a Virginia Graduate, students must acquire and demonstrate foundational skills in Virginia's 5 C's (**Critical Thinking, Creative Thinking, Collaboration, Communication, and Citizenship**).
- ❖ **Virtual Course:** Students must successfully complete one virtual course, which may be a non-credit-bearing course or a required elective credit-bearing course that is offered online.

Standards and Verified Credits

For students entering ninth grade in 2018 and beyond, Virginia's graduation requirements maintain the same number of standard credits for both the Standard Diploma and Advanced Studies Diploma but reduce the required verified credits to five. These include one verified credit each in English Reading, English Writing, Mathematics, Science, and History and Social Science.

High school students can earn verified credits and demonstrate course mastery through locally developed performance-based assessments, particularly in History and Social Science. These assessments provide students with an opportunity to apply their learning and showcase critical thinking, creative thinking, communication, collaboration, and citizenship skills.

Virginia Standards of Learning Requirements

Students must earn a combination of standard and verified units of credit to receive either a Standard or Advanced Studies Diploma. Several changes have been made to the diploma requirements over the past four years. These requirements apply based on the year the student enters ninth grade for the first time, rather than the year they graduate. Additional credit accommodations are available for students with Individualized Education Programs (IEP) or 504 plans, provided the student meets state criteria.

Standard Credit

A standard unit of credit is earned by taking a high school course of approximately 140 clock hours of instruction and meeting the objectives of the course with a passing grade.

Verified Credit

A verified unit of credit is awarded for a course in which the student earns a standard unit of credit and achieves a passing score on a corresponding End-of-Course (EOC) Standards of Learning (SOL) test or a substitute test approved by the Virginia Board of Education. A list of substitute tests is available in the school counseling department. Students and their families should be aware of the risks of using substitute tests. If a student delays taking an SOL test to receive a passing score on the substitute test, graduation may be delayed.

Locally-Awarded Verified Credit (LVC)

The criteria for the award of Locally Awarded Verified Credit is summarized below:

To qualify for a Locally-Awarded Verified Credit a student must:

- ✓ Pass the high school course.
- ✓ Score within the 375 – 399 scale range on any administration of the Standards of Learning tests after taking the test at least twice.
- ✓ Demonstrate proficiency in the academic content through a locally-administered appeal process.

For students entering the ninth grade for the first time in the 2018 – 2019 academic year and beyond:

- No more than one Locally Verified Credit may be awarded.
- Locally Awarded Verified Credits can be applied toward a Standard or Advanced Studies Diploma.

Students with credit accommodations are not subject to the limit on the number of Locally Awarded Verified Credits.

During 2019 – 2020 and 2020 – 2021, the Virginia Department of Education provided additional waivers during the COVID-19 pandemic. Your school can explain if any of these apply to you as needed.

Standards of Learning Tests and Assessments

Standards of Learning (SOL) tests and assessments are given in English, Mathematics, Science, and History and Social Science. The Algebra I and Geometry SOL tests are administered in middle and high school, as indicated by **“SOL”** in the course descriptions. Once required verified credits are earned for a content area, a student will not take additional associated SOL tests unless federally mandated for accountability.

SOL Tests and Assessments

English	Mathematics	Science	History & Social Science
English: Reading (Grade 11)	Algebra I	Earth Science	World History & Geography to 1500
English: Writing (Grade 11)	Geometry	Biology	World History & Geography 1500 to Present
	Algebra II	Chemistry	Virginia & United States History

Standards of Learning and Verified Credits Requirements for Transfer Students

Students transferring to a Fauquier County high school from a non-public high school, a public school outside of Virginia, or a home school are required to take SOL tests to earn verified units of credit. Transfer students should see their school counselor to determine the number of verified credits.

For more information, please visit:

<https://www.doe.virginia.gov/parents-students/for-parents/information-for-transfer-students>

For more information, please scan QR code:



Use of Performance Assessment for Locally-Awarded Verified Credits

Fauquier County Public Schools participates in the Virginia Department of Education’s Performance Assessment Program for Locally Awarded Verified Credits. According to VDOE regulations, a high school student must earn a verified credit in one of the following History and Social Science (HSS) courses: World History & Geography to 1500 A.D., World History & Geography from 1500 A.D. to the Present, or VA/US History. As an alternative to SOL testing for History and Social Science courses, FCPS students will be evaluated locally using state-developed performance tasks for their SOL assessment. These tasks include instructor-led formative assessments that help students gain content knowledge, context, and understanding of a concept, followed by a summative assessment that allows students to demonstrate their knowledge. Using VDOE-developed rubrics, FCPS instructors evaluate student performance. A division-wide panel of HSS educators reviews the performance assessments and the student’s course mastery to award Locally Awarded Verified Credits.

IEP, 504, and EL Student Assessments

In place of participating in performance assessments, the IEP Team, 504 Committee, or EL Committee can determine, on an individual basis, that students will participate in the History/Social Science Standards of Learning tests.

The criteria for locally awarded credit for Performance Assessment are summarized below:

To qualify for locally-awarded credit through the Performance Assessment

- ✓ Pass the high school course
- ✓ Complete the Performance Tasks, one of the HSS courses, and demonstrate understanding as scored by teachers using the rubric.
 - World History & Geography up to 1500 A.D: 3 of 4 performance tasks
 - World History & Geography 1500 A.D to Present: 2 of 3 performance tasks
 - Virginia and U.S. History: 3 of 4 performance tasks
- ✓ Have their performance assessments and course mastery verified by a division-wide panel of FCPS educators

Credit Accommodations

Standard Diploma

Credit accommodations help students with disabilities earn standard and verified credits needed for a Standard Diploma. Accommodations may include: alternative courses for credit, modifications to Locally Awarded Verified Credit requirements, additional Board-approved tests, adjusted cut scores, and work-based learning through CTE courses

Advanced Diploma

Students with IEPs specifying a world language credit accommodation may substitute two standard credits in computer science for two in a world language. School counselors must inform students and parents of potential college admission impacts.

Credit Accommodations at a Glance

Accommodation	Available to All Students	Students with a Documented Disability (Eligible for Credit Accommodations under an IEP/504 Plan for a Standard Diploma)
Expanded Score Range for Expedited Retake	Not Applicable	Students scoring between 350-374 on the test qualify for an expedited retake. <i>No expedited retakes are available for English Writing.</i>
Expanded Use of Locally-Awarded Verified Credit (LVC)	Limited to one LVC in a subject area: Mathematics, English Reading and Writing, Science, and History/Social Sciences	Students eligible for credit accommodations are not limited in the number of verified credits awarded through this process. <i>Students needing more than one LVC must have credit accommodation eligibility documented in their IEP or 504 plan.</i>
Special Permission Locally-Awarded Verified Credit Accommodations (SPLAVC-A)	Not Applicable	Students must take the related SOL without curriculum modification, score below 375, meet eligibility requirements, and follow the local LVC appeal process.
Courses Taught in Two Parts	One elective credit and one standard credit <i>Example: Geometry I Part I = 1 elective credit; Geometry I Part II = standard credit</i>	Two standard credits for the first sequence in a content area <i>Example: Algebra I Part I = 1 standard credit; Algebra I Part II = 1 standard credit</i>
Economics and Personal Finance	Economics and Personal Finance (6120)	Personal Living and Finance (3120) may substitute for Economics and Personal Finance (6120) if the student has also earned 3 credits in History and Social Science. <i>Students with disabilities are encouraged to consider course 6120 before opting for 3120.</i>

Other Diplomas and Certificates

Applied Studies Diploma

Available to students with identified disabilities who meet the requirements of their Individualized Education Program (IEP) and criteria set by the Board of Education. This diploma option is for students who do not qualify for the Standard Diploma.

General Education Development (GED) Certificate

For students at least one year behind in credits who wish to earn a high school equivalency credential. Eligible students can enroll in the ISAEP program to receive a GED certificate from the Virginia Department of Education.

Certificate of Program Completion

This certificate is for students who complete a prescribed program of studies defined by a local school board but do not qualify for a diploma.

Earned High School Credit in Middle School

High school courses completed in middle school count toward diploma requirements. Students who successfully complete French I, Spanish I, Algebra I, and/or Geometry in middle school will earn high school credit. Verified credit can be earned in Algebra I and Geometry by passing both the course and the End-of-Course SOL test. French I and Spanish I credits may apply toward Elective or World Language requirements, while Algebra I and Geometry credits fulfill mathematics requirements. Grades and credits for high school courses taken in middle school will appear on the high school transcript and will be included in GPA calculations.

Request for Course and Credit Removal from Transcript

If a student does not demonstrate the desired level of learning, they, along with their parent/guardian, may request the course and grade be removed from the transcript. However, removing the grade forfeits the high school credit. If the course is a prerequisite for another, it will need to be repeated. To remove a course, the parent/guardian must submit a written request, using the school's form, to have the course removed before the student's records are transferred to high school. Students and families should contact the middle school counseling department for details on procedures and deadlines. Exceptions to this deadline may be granted only in extenuating circumstances, up to the end of 9th grade. After that, the transcript cannot be altered under this regulation.

Academic Support Programs

Freshman Transition Program

The Freshman Transition Program provides year-long academic support to selected freshmen, fostering school success and a positive outlook. This program emphasizes language and mathematical literacy, as well as strategies for high school success. Students in the program receive targeted assistance in reading and writing, along with additional support in core subjects. Instruction includes research strategies, field experiences, and career exploration. All grade-level Standards of Learning are covered in core courses, and students will take the corresponding End-of-Course SOL Assessments.

Academic Coaching

The goal of the Academic Coaching course is to teach students effective strategies for navigating multiple content areas. This course is recommended for students who need to develop time management skills to complete homework, manage class projects, and cope with the demands of rigorous reading and assignments in both standard and advanced academic classes.

AP Potential

The AP Potential Program uses PSAT scores to identify students who are capable of taking more rigorous courses in high school. Once the College Board identifies these students, their schedules are reviewed. If identified students are not already enrolled in at least two AP or Honors classes as sophomores, they are encouraged to pursue a more challenging curriculum. While many factors contribute to success in AP classes, the identification of AP potential suggests that, with hard work and perseverance, these students have the ability to excel in AP courses and succeed in college.

Board of Education Diploma Seals and Recognitions

Governor's Seal

The Governor's Seal is awarded to students who complete the requirements for an Advanced Studies Diploma with an average grade of "B" or better, and successfully complete college-level coursework that will earn the student at least nine transferable college credits in Advanced Placement (AP), International Baccalaureate (IB), Cambridge, or dual enrollment courses.

Board of Education Seal

The Board of Education Seal is awarded to students who complete the requirements for a Standard Diploma or Advanced Studies Diploma with an average grade of "A" beginning with the ninth-grade class of 2006 – 2007 and beyond.

Career and Technical Education Seal

The Board of Education's Career and Technical Education Seal is awarded to students who:

- ❖ Earn a Standard or Advanced Studies Diploma and complete a prescribed sequence of courses in a Career and Technical Education concentration or specialization that they choose and maintain a "B" or better average in those courses.
- ❖ OR pass an examination or an occupational competency assessment in a career and technical credential from a recognized industry, trade, or professional association.
- ❖ OR acquire a professional license in that Career and Technical Education field from the Commonwealth of Virginia.

Science, Technology, Engineering, and Mathematics (STEM) Seal

The STEM Seal shall be awarded to students who earn either a Standard or an Advanced Studies Diploma and satisfy all Math and Science requirements for the Advanced Studies diploma with a "B" average or better in all coursework, and:

- ❖ Successfully complete a 50-hour or more work-based learning opportunity in a STEM area.
- ❖ Satisfy all requirements for a Career and Technical Education concentration. A concentration is a coherent sequence of two or more state-approved courses as identified in the course listing within the [CTE Program Area Guide](#).
- ❖ Pass one of the following:
 - A Board of Education CTE STEM-H credential examination, or
 - An examination approved by the Board that confers a college-level credit in a STEM field.

Seal for Excellence in Civics Education

The Seal for Excellence in Civics Education Seal is awarded to students who earn either a Standard Diploma or an Advanced Studies Diploma and meet each of the following criteria:

- ❖ Complete Virginia and United States History, and Virginia and United States Government courses with a grade of "B" or higher.
- ❖ Have good attendance and no disciplinary infractions as determined by local school board policies.
- ❖ Complete 50 hours of voluntary participation in community service or extracurricular activities such as,
 - Volunteering for a charitable or religious organization that provides services to the poor, sick, or less fortunate; participating in Boy Scouts, Girl Scouts, or similar youth organizations; participating in Junior Reserve Officer Training Corps (JROTC); participating in Assembly; or participating in school-sponsored extracurricular activities that have a civics focus. Any student who enlists in the United States military prior to graduation will be deemed to have met this community service requirement.

Board of Education Diploma Seals and Recognitions Continued

Seal of Biliteracy

The Seal of Biliteracy is awarded to students who earn a Board of Education-approved diploma and:

- ❖ Pass all required End-of-Course Assessments in English Reading and Writing at the proficient level or higher.
- ❖ Demonstrate proficiency at the intermediate-mid level or higher in one or more languages other than English as demonstrated through an assessment from a list approved by the Superintendent of Public Instruction. American Sign Language qualifies as a language other than English.

Seal of Excellence in Science and the Environment

The Seal of Excellence in Science and the Environment is awarded to students who meet each of the following criteria:

- ❖ Earn either a Standard or Advanced Studies Diploma.
- ❖ Complete at least three different first-level board-approved laboratory science courses and at least one rigorous advanced-level or postsecondary-level laboratory science course, each with a grade of “B” or higher.
- ❖ Complete at least 50 hours of voluntary participation in community service or extracurricular
 - Activities that involve the application of science such as environmental monitoring, protection, management, or restoration.

For complete Diploma Seal information, please visit the VDOE webpage at:

<https://www.doe.virginia.gov/parents-students/for-students/graduation/graduation-requirement-resources/graduation-diploma-seals>

For complete Diploma Seal information, please scan the QR Code to visit the VDOE webpage:



Governor's Senior Year Plus: Early College Scholars Program

The Early College Scholars Program offers eligible high school students the opportunity to earn at least 15 transferable college credits while completing the requirements for an Advanced Studies Diploma. This program allows for a more productive senior year and can significantly reduce college tuition costs. Students who complete a college degree in seven semesters rather than eight can save an average of \$5,000 in expenses.

To qualify for the Early College Scholars Program, a student must:

- ✓ Maintain a "B" average or higher
- ✓ Pursue an Advanced Studies Diploma
- ✓ Complete college-level coursework (such as Advanced Placement, International Baccalaureate, Cambridge, or dual enrollment) that provides at least 15 transferable college credits

Early Graduation and Early Completion Requirements

Under certain circumstances, students may leave high school without completing four full years.

Early Graduation

With parental permission, rising juniors (current sophomores) who have completed at least 14 credits may request early graduation. Any student interested in pursuing this option must complete an application and submit letters from both the student and the parent to their school counselor explaining why the student wishes to graduate early. Once the principal approves the request, it is forwarded to the Superintendent of Schools, or designee, for final approval. Applications are available in the counseling department at each high school and are due by July 1. Students who miss this deadline due to extenuating circumstances should contact their counselor. Students need to remember that they are required to meet the graduation requirements that were in effect during their ninth-grade year, not those for their anticipated year of graduation.

Early Completion

With parental permission, rising seniors (current juniors) who will complete all graduation requirements by the end of the fall term may request approval for early completion. Students who choose this option will not receive a final class rank, as graduation requirements will be completed by the end of the fall term. GPA will be calculated based on only six terms and will not qualify students for the same benefits as those who complete all eight terms.

Any student interested in pursuing the early completion option must complete an application and submit letters to their school counselor from both the student and the parent explaining why the student wishes to complete school early. Applications are available in the counseling departments at each high school and are due by June 1. Graduation ceremonies are held once a year at the end of the spring term. School activities for early completion students are limited to attending graduation and prom.

Customized High School Programs

Fauquier County Public Schools offers high school students several opportunities to customize their program of studies and units of credit toward graduation.

Virtual Academy

In August 2021, Fauquier County Public Schools opened a full-time virtual academy for students entering grades K-12 who wish to learn online. The FCPS Virtual Academy is intended to function as an additional, separate program for Kindergarten through 12th grade. The FCPS Virtual Academy will allow students to take courses and earn credits virtually while receiving instruction from the Virtual Virginia Platform. Virtual Academy students will continue to be enrolled in their designated base school and will be able to participate in athletics and activities at that school. Students must be accepted through the application process to enroll in the FCPS Virtual Academy.

Southeastern Alternative Program

The Project-Based Learning (PBL) program is offered to students in grades 7-12 at Southeastern Alternative School and is designed to provide a hands-on, interactive project-based learning approach to instruction and assessment in all core academic areas required for promotion and graduation. These programs assist students in obtaining their high school diplomas as early as 7th grade by offering a PBL approach to learning and testing. This approach is significantly different but still adheres to the guidelines of the Virginia Standards of Learning. However, this difference makes school success attainable for students who struggle with traditional teaching methods and the larger base-school routines. Class sizes are extremely small, with an average student-to-teacher ratio of 1:10. The PBL Programs are programs of choice requiring interested students and/or parents to apply and participate in an interview process. Each student's progress and achievement are reviewed quarterly.

STEM Academies

Fauquier County Public Schools is proud to offer three unique high school academy programs that provide students with hands-on experience in the fields of Cyber Security, Environmental Science, and Integrated STEM. For more information, please refer to the STEM Academies section in this *Program of Studies*.

Future Educators Academy

Launching in Fall 2025, Fauquier County Public Schools is excited to partner with Laurel Ridge Community College to offer the Future Educators Academy (FEA). This dual-enrollment program invites rising juniors who aspire to become educators and prepares them for careers as elementary and special education teachers. Sponsored by Fauquier County Public Schools, FEA covers all tuition and course material fees. Through this accelerated pathway, students complete 15–16 credit hours each semester, earning an Associate of Science in Education by high school graduation and preparing them to transfer to a four-year college for a bachelor's degree in teaching. For more information, please see page 29.

Mountain Vista Governor's School

Fauquier County high schools offer several courses and programs to meet the needs of gifted students. In addition to Honors and Advanced Placement (AP) courses, the Mountain Vista Governor's School (MVGS) provides a unique learning option for identified gifted and highly abled students. MVGS is an academic-year Governor's School of Science, Mathematics, and Technology serving six area school divisions, including Fauquier County, for students in grades 10-12. The mission of MVGS is to deliver a research-based, technology-enhanced, integrated program in Mathematics, Science, and the Humanities. The program challenges students to reach their full potential as independent thinkers capable of assuming leadership roles in a constantly changing global society. Fauquier County students should contact their school counseling department for admission requirements and application procedures. Students are required to take AP exams for AP content-based courses taken at MVGS. Grades earned in AP content-based courses receive an additional 1.0 weight only when the AP test is taken. Courses beyond the AP level (for which AP is a prerequisite) also receive a weight.

Cooperative Education

A work component may be taken for an additional credit in certain Career and Technical Education (CTE) courses. Students are required to work in an approved position for a minimum number of hours as specified by the class requirements. The work is supervised by the course teacher and may begin on July 1, continuing through the last day of the school year. Students should contact the teacher supervising the Co-op or COE program of interest for an application. Co-op and COE classes have course codes ending in -25. When this option is selected, students receive one credit for their supervised work in addition to the credit earned for the class.

Exception to the Full-Day

Unless enrolled in a cooperative work-study program, high school students are expected to attend school for a full day. All exceptions to a full-day schedule must be approved on an individual basis by the Superintendent of Schools or designee. An application for an exception to the full day must be submitted by July 1. Students who miss this deadline due to extenuating circumstances should see their school counselor. Full-day schedules are in effect until the Superintendent of Schools or designee approves their expectation.

Homebound Instruction

Homebound instruction is available for students confined to home or a health care facility for extended periods, based on certification of need by a licensed physician or clinical psychologist. Typically, standard English, History, and Mathematics courses are available through homebound instruction. However, some courses may not be offered, including Physical Education, Lab Sciences, Career and Technical Education, World Language, advanced coursework, and dual enrollment courses. Graduating seniors needing science or physical education credits may have additional options and should contact their counseling department for further details.

Independent Study

Juniors and seniors interested in a course not offered in Fauquier County Public High Schools may apply for an Independent Study Program. The application requires a rationale statement from the student, a course outline from a qualified supervising teacher, and administrative approval. Students must allocate a 90-minute block of time during the term for coursework and will receive pass/fail credit. Applications are available in the counseling department. Teachers may also propose an Independent Study Program as a temporary pilot.

Standard Academic Courses

Standard academic courses make up the majority of offerings in the *High School Program of Studies*. These classes will prepare students for a four-year college, community college, vocational/technical school, or direct entry into the workforce. Courses in English, History and Social Science, Science, and Mathematics meet all Standards of Learning requirements. These include independent reading of a variety of texts, essays, and narratives. Research papers and lab reports are among the writing expectations. Students are required to use higher-level critical thinking skills independently. World Language, Fine Arts, Music, Physical Education, and Career and Technical Education courses are also in this category. They are designed to broaden a student's educational experience.

Academic Support Courses

Academic support courses are designed to offer academic support for students who require additional teacher guidance and adjustment in the pace of lessons. Students pursuing a Standard or Advanced Studies Diploma, seeking admission to a 2-year or 4-year college, and/or seeking admission to a NCAA collegiate athletic team, should limit these courses in their schedules, particularly during their junior and senior years.

Selecting and Scheduling Courses

Fauquier County high schools follow a modified 4x4 block scheduling plan. In a standard 4x4 schedule, students take four 90-minute courses in the Fall term and four 90-minute courses in the Spring term. Eight courses are taken in a year. Each term is divided into two 9 weeks. The Fall term is divided into marking periods; one and two, and the Spring term is divided into marking periods; three and four. In a modified 4x4 schedule, some courses are scheduled for a full year (both terms) in addition to the block courses. Many of these full-year courses are offered on an A/B schedule where students attend class every other day, alternating attendance between two courses (course A and course B).

Standard 4x4 Schedule		
Block	Fall Term	Spring Term
Block 1	Course 1	Course 5
Block 2	Course 2	Course 6
Block 3	Course 3	Course 7
Block 4	Course 4	Course 8
Sample Modified 4x4 Schedule		
Block	Fall Term	Spring Term
Block 1	Course 1	Course 6
Block 2	Course 2	Course 7
Block 3	Course 3	Course 8
Block 4	Course 4 A Days	Course 4 A Days
	Course 5 B Days	Course 5 B Days

Course Selection

Access to Courses

Fauquier County Public Schools does not unlawfully discriminate based on gender, race, color, religion, disability, or national origin in employment or educational programs. No individual shall be denied access to courses solely due to an impairment that is unrelated to their ability to engage in the activities required by the selected courses or programs.

Course Availability

Courses listed in the *Program of Studies* will be offered if there are enough student requests and sufficient teacher availability and funding. If courses are canceled, students will register for alternate courses as listed on their registration forms or as determined by school personnel. Scheduling conflicts may prevent students from taking their preferred courses. Information in this *Program of Studies* is subject to change based on state and local school board decisions.

Course Selection Options

Course selection should be made in consultation with families, teachers, and school counselors. Student interests, performance, and teacher recommendations are important factors in this process. Course selection should align with the student's strengths. For example, a student may excel in history but need academic support in mathematics. These decisions should be made annually to ensure all students have access to the most rigorous academic program. Students are encouraged to choose courses that align with their strengths, challenge them academically, and prepare them for life and employment after high school.

Honors

Honors courses are designed to exceed standard requirements and prepare students for Advanced Placement (AP) coursework, which is primarily available in the junior and senior years. These classes involve extensive reading and writing, exploring advanced concepts while emphasizing the development of skills and practices used by professionals in the field. Students are required to complete projects that demand significant outside preparation and effort. Honors classes aim to prepare students for competitive four-year colleges and universities and cater to the academic needs of gifted learners as well as other students seeking to work at an advanced level.

Possible Course Sequence for Advanced Students				
Grade	Math	Science	History & Social Science ¹	English ²
9 th Grade	Advanced Algebra II ³	Biology Honors	World History & Geography to 1500 Honors	English 9 Honors
10 th Grade	Pre-Calculus AP	Chemistry	World History: Modern AP	English 10 Honors
11 th Grade	Calculus AB AP or Calculus BC AP	Physics I Algebra-Based AP	US History AP/DE	English 11 Language and Composition AP/DE
12 th Grade	Calculus BC AP, Statistics AP, or Multivariable Calculus	Student Choice: Any AP Science or Science Elective	US Government AP/DE	English 12 Literature and Composition AP/DE

¹Additional advanced History and Social Science electives may be taken over the 4 years. They include AP Comparative Government, AP Human Geography (open to 9th grade), and AP Psychology.

²Additional advanced English electives may be taken over the 4 years. They include AP Seminar (10th and 11th grade), and AP Research (11th and 12th grade).

³If Geometry was not completed in 8th grade, students can double up in math with Geometry during the 1st semester and Advanced Algebra II during the 2nd semester.

AP or Honors Economics will fulfill the Economics and Personal Finance graduation requirement and is usually taken in 10th or 11th grade.

Other Advanced Academic Courses Available (course availability may vary year by year)

AP Computer Science Principles • AP Computer Science A • DE French Language IV • AP/DE French Language • AP German Language • DE Latin IV • AP/DE Latin Vergil/Caesar • AP/DE Spanish Language • AP Spanish Literature • DE American Sign Language II • DE American Sign Language III • AP Studio Art • AP Art History

Advanced Placement (AP)

AP courses follow a rigorous national curriculum developed by the College Board and conclude with a required AP examination in May. AP courses are academically demanding and are the equivalent of courses offered at the college level. They require students to be able to manage an increased amount of work both inside and outside the classroom. AP classes prepare students for competitive four-year colleges and universities. All Advanced Placement curricula must go through a national curriculum audit and certification to carry the AP trademark. These courses will meet the academic needs of gifted learners and other students who wish to work at an advanced level. Students may be asked to prepare by completing pre-course assignments. These courses are designated with “**AP**” in the course description. Selected AP courses are also available for Dual Enrollment (DE) credit through Laurel Ridge Community College, Richard Bland College, James Madison University, or other institutions of higher learning.

Based on their performance on the AP exam, students may earn college credit. Most colleges and universities have an AP policy granting incoming students’ credit, placement, or both based on their AP exam grades. Students should consult with the policies of the colleges and universities to which they are applying to determine how their AP credits will be evaluated.

Final grades for AP courses will receive a 1.0 additional weight as long as the student completes the AP exam. Weighted cumulative GPAs appear on transcripts at the beginning of the fall term of the student’s senior year and at the conclusion of the student’s senior year.

Fauquier County Public Schools will pay the student registration fee for AP exams. Students who take an AP course but fail to take the AP exam will forfeit the weight on their high school transcript.

Advanced Placement Courses Offered by Fauquier County Public Schools		
Art History AP	English Literature & Composition AP	Research AP
Biology AP	Environmental Science AP	Seminar AP
Calculus AB AP	French Language AP	Spanish Language AP
Calculus BC AP	German Language AP	Spanish Literature AP
Chemistry AP	Human Geography AP	Statistics AP
Comparative Government AP	Latin Vergil/Caesar AP	Studio Art AP
Computer Science A AP	Physics I AP	United States Government AP
Computer Science Principles AP	Physics II AP	United States History AP
Economics AP	Pre-Calculus AP	World History: Modern AP
English Language & Composition AP	Psychology AP	

Please note: some classes may only be offered online due to low enrollment or staffing availability.

Virtual Virginia Advanced Placement (AP)

Virtual Virginia offers online AP courses in English, Government, Calculus, Statistics, U.S. History, Chemistry, Biology, Spanish, Human Geography, Economics, Psychology, Physics, and more. FCPS students may only take Virtual Virginia Advanced Placement courses that are not offered or available to students at the high school they attend. Special situations will be considered on an individual basis.

Dual Enrollment (DE)

The Virginia Plan for Dual Enrollment (DE) is offered in partnership with Laurel Ridge Community College, Richard Bland College, James Madison University, and other institutions of higher learning. Students have the option to earn Dual Enrollment (DE) credit alongside selected high school Advanced Placement and other courses offered in the high school buildings. This program allows students to earn both high school and college credit. Course offerings may be limited based on teacher availability. Dual Enrollment courses are designated with "**DE**" in the course description. Parents and students are strongly encouraged to consult with their prospective colleges and universities to understand their acceptance policies and transfer credit equivalencies for dual enrollment courses.

Dual Enrollment Courses Offered by Fauquier County Public Schools			
High School Course	HS Credit	Equivalent College Course(s)	College Credit
English 11: Language & Composition	1	ENG 111 & 112	6
English 12: Literature & Composition	1	ENG 211 & 215	6
World History: Modern AP	1	HIS 112	3
United States History AP	1	HIS 121 & 122	6
United States Government AP	1	PLS 135 & 136	6
French IV	1	FRE 101 & 102	8
French Language AP	1	FRE 201, 202	6
Spanish IV	1	SPA 101, 102	8
Spanish Language AP	1	SPA 201, 202	6
Latin IV	1	LAT 201	3
Latin AP Vergil/Caesar	1	LAT 202	3
Geospatial Science	1	(JMU) GEOG 161	3
Statistics AP	1	MTH 245	3
American Sign Language II	1	ASL 101 & 102	8
American Sign Language III	1	ASL 201 & 202	6

Dual Enrollment (DE) Program Eligibility

Students are eligible to participate in the Dual Enrollment (DE) program under the following conditions:

- ✓ Students must have a minimum GPA of 3.0.
- ✓ Students must achieve a minimum score of 480 on the Verbal portion, and 530 on the Mathematics portion of the PSAT or SAT.

Certain courses at Laurel Ridge Community College have prerequisites that must be met before enrollment. For example, to enroll in ENG 211 and ENG 215, a student must have passed ENG 111 and ENG 112 with a grade of C or better, or have passed the AP Language and Composition exam with a score of 3 or higher. For each Dual Enrollment course taken at Laurel Ridge Community College, students must pay a portion of the tuition. As of this printing, the tuition and fees are \$169.05 per credit, subject to change for the following school year.

With the exception of Latin IV, Latin AP, French IV, Spanish IV, French Language AP, and Spanish Language AP, Dual Enrollment students take the equivalent of two college courses for 3 credits each. Students who receive a failing grade at midterm will receive an F for the first college course and will be unable to continue in the Dual Enrollment program. If a student passes the midterm but fails at the end of the course, they will receive credit for the first college course but will not receive credit for the second college course, potentially jeopardizing their high school graduation.

Laurel Ridge Community College and Fauquier County Public Schools are collaborating to expand opportunities for students to complete an Associate's Degree or a General Educational Certificate concurrently with their high school diploma. Additional information is available through the high school counseling department.

Courses Available at Select High Schools

Some courses are available only at specific high schools, but students from all high schools are eligible to enroll in these courses. Students who wish to take one of these courses will be provided transportation to the school where the course is offered. Travel may occur before school, during lunch, and/or after school. For courses that occupy only one 90-minute block, students will need to enroll in an additional one-block course to accommodate the travel schedule.

Courses Available at Select High Schools	
Automotive Technology I, II, III (FHS)	English 10: Environment in Literature (FHS)
Auto Body Technology I, II, III (FHS)	Graphic Design III & IV (FHS)
Caribbean Steel Pan Band (FHS)	Nurse Aid (FHS)
Carpentry I, II, III (FHS)	Pharmacy Technician I & II (FHS)
Early Childhood Education & Services I, II, III (FHS)	Military Science (AJROTC) I, II, III, IV, V, VI, VII, VIII (LHS)
Electricity I, II, III (FHS)	Latin I, II, III, IV (FHS & KRHS)
German I, II, III, IV (FHS & KRHS)	Turkish I, II, III, IV (FHS & LHS)
Latin AP Vergil/Caesar (FHS & KRHS)	Innovation Grant courses (LHS) see pages 90 & 91
SAT Critical Reading, Writing, and Math Prep (FHS & LHS)	

Additional Virtual Courses

Students may enroll in specialized courses not available at their high school, including AP courses, through a virtual high school program, but this is offered on a limited basis. Virtual courses are typically taken as part of the regular high school schedule. Guidelines, limitations, and a list of available courses can be obtained from the counseling department. Under special circumstances, seniors and second-term juniors may request permission from their high school principal to take a virtual course outside the regular school schedule. Guidelines, requirements, and limitations for this option are also available in the counseling department. Please note that students who are not Early College Scholars will be required to pay for Virtual Virginia courses.

Grading Policies

A student must meet the following criteria to be classified into a high school grade level. Students will be promoted at the end of the school year, with no mid-year promotions.

Grade 9	Pass 4 out of 5 required middle school courses: English, Math, Science, History, Health/PE
Grade 10	Earned 6 credits
Grade 11	Earned a total of 12 credits
Grade 12	Earn 17 credits. Students with 14+ credits who are candidates for graduation may be classified as seniors.

Grading Scale

Fauquier County Public Schools uses the following scale:

Class Grade	Letter Grade	Quality Points
90 – 100	A	4.0
80 – 89	B	3.0
70 – 79	C	2.0
60 – 69	D	1.0
59 and below	F	0

Grade Point Average

Grade Point Average (GPA) includes all courses for which students earned credits in grades 9 – 12 and any credits-bearing high school courses taken in middle school. GPA is obtained by dividing total grade points (Quality Points) by the number of courses taken. Official GPAs are calculated in the fall of the senior year and after the senior year.

Weighted Grades

Courses that require a nationally recognized examination (such as an AP Exam) receive a 1.0 additional weight only if the student takes the test. Courses that have an AP course as a prerequisite are also weighted. Weighted cumulative GPAs appear on transcripts.

Honor Roll

At the end of each term (Fall and Spring), students in grades 9-12 whose GPAs are 4.0 or above will be recognized on the 4.0 Honor Roll. Students whose GPAs are 3.0 or above but below 4.0 will be recognized on the 3.0 Honor Roll. High School students must have no failing grades to qualify for Honor Roll recognition.

Senior Class Standing

Academic standing is based on a weighted GPA and is reported to colleges in terms of deciles (top 10% is the first decile, next 10% is second, etc. at the beginning of the fall term of the senior year and at the end of the spring term, once final grades are posted.

Recognition of Honor Graduates

Each high school will honor its highest-performing graduates with a seal on their diploma once all final grades are calculated, as follows:

- With Highest Distinction: 4.00 or greater on a weighted scale
- With High Distinction: 3.75 – 3.99 on a weighted scale
- With Distinction: 3.50 – 3.74 on a weighted scale

Additional Policies

Credits and Grades for a Repeated Course

Students who earn a grade of D or higher in a course may retake it to enhance their learning or to meet a prerequisite, provided there is available space. Both attempts will appear on the transcript, but credit will be awarded only for the first completion. The grades from both the original and repeated attempts will be factored into the grade point average. Students who fail a course in one term may have the opportunity to retake it in the following term, depending on space availability. Seniors who fail a required course in the fall term are not guaranteed a spot in the spring term, which may delay their graduation. Repeated courses do not count toward the course requirement for VHSL sports eligibility.

Home-School Grades and Credits

Students transferring to Fauquier County Public Schools from a homeschool program will receive credits for classes on a Pass or Fail basis. These grades will not be averaged with A–F grades on transcripts and will not be calculated into the GPA or class rank.

Incomplete Grades

Teachers may assign an "Incomplete" grade when a student is unable to submit required assignments due to extenuating circumstances. The teacher will set a deadline for completing the work, which must be finished by the end of the following grading period. Incomplete grades cannot be carried over into the next academic year.

Schedule Changes

The high school counseling department manages schedule changes. To minimize these changes, students are expected to read course descriptions in the Program of Studies, consult their counselor about any questions, and attend elective information sessions before registration. A parent or guardian must review and approve any schedule changes. Before the school year ends, students will receive a list of their requested courses for the following year. If a schedule change is necessary, students must request it by the counseling department's deadline and complete a schedule change form, including a parent or guardian's signature. In the event of a scheduling conflict, the counseling department will use the student's alternate course selections made during registration. All scheduling conflicts and course changes should be finalized before the school year begins, as changes after this point are permitted only for academic reasons. Teacher change requests require administrative approval, and the start of school is an especially busy time with limited opportunities for students to meet with counselors.

Dropping and Adding Classes

Students may add or drop a course up to the first day of each term. After this deadline, any student who drops a course will receive a W/F (Withdraw Failing) on their transcript, which will impact their GPA as a failed course. Dropping an SOL assessment course and re-enrolling in the same course after mid-term is generally not permitted. For course changes requested after mid-term, the student and school counselor must obtain the principal's approval and signature. Students may move from an AP or Honors course to a Standard Academic course within the first quarter, but only after consulting their teacher, discussing with their school counselor, and obtaining approval from a parent or guardian.

Withdrawing from a Course

To earn credit, a student must complete the full course. Students who withdraw from a year-long course before completing both terms will not receive credit. In the four-year high school program, students can earn up to 32 credits, which exceeds the credits required for graduation. Students are encouraged to explore additional courses beyond the minimum graduation requirements to better prepare for further education and career paths.

School Transfer Requests

A transfer request for a student to attend a high school outside their designated zone will be approved by the principal only for the purposes outlined in Fauquier County School Board Policy 7-2.2. Forms for transfer requests are available in the main office of each school (Form 7-2.2 (A) F1).

Summative Assessments/Exams

Instructional staff are required to formally assess students twice each term. Teachers are encouraged to administer authentic summative assessments, allowing students to actively demonstrate their knowledge through presentations, projects, reports, portfolios, and other means, ideally at the end of a unit, course, semester, program, or school year. Typically, culminating course summative assessments or exams are offered at the middle and end of each term (October and December for Term 1; March and May/June for Term 2). Students are encouraged to maintain consistent work habits in all classes throughout the course, ensuring that their final grade is not solely dependent on one summative assessment or exam. In the event of inclement weather, summative assessments or exams may be canceled if a weather event necessitates school closure during the examination window. If assessments or exams are canceled, students will receive the term grade earned up to that point.

Fee Waivers

Fees associated with courses offered by Fauquier County Public Schools, such as charges for musical instruments, uniforms, AP review guides and manuals, and art materials, may be waived for qualified students. Partial fee waivers may also be available for students wishing to take dual enrollment classes. Fees should not deter students from considering enrollment in courses.

NCAA Certification and VHSL Eligibility

Certification for College-Bound Athletes

All prospective student-athletes intending to participate in collegiate Division I or II athletics must be certified by the NCAA Initial Eligibility Clearinghouse. NCAA guidelines are subject to annual changes, so students should plan to start the certification process at the end of their junior year. While college-bound athletes are encouraged to take Honors, Dual Enrollment, and AP courses, all course levels meet NCAA certification requirements. For detailed information, students should consult their school counselor and/or their coach.

An NCAA Division I or Division II member school may not provide an expense-paid visit to a prospective student-athlete or recruit a student-athlete who has not submitted the following documents to the NCAA Initial Eligibility Clearinghouse: a completed and signed student release form with fee, an official transcript from every high school attended, and ACT or SAT scores.

Eligibility for VHSL Activities

To be eligible for any Virginia High School League (VHSL) sport or activity, students must meet the following requirements during the term they participate:

- ✓ The student must be enrolled in at least three subjects for credit
- ✓ The student must have passed at least three subjects for credit in the previous term

If the student repeats a course to improve skills or to meet a grade prerequisite, passing the repeated course does not count as one of the courses required for eligibility. Students who transfer from one high school to another within Fauquier County will forfeit eligibility for 365 days unless the Superintendent grants a waiver of the transfer rule.

PSAT, SAT, and ACT

Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT)

The PSAT/NMSQT is a standardized test that provides valuable practice for the SAT. It is administered to all 10th-grade students in Fauquier County Public Schools at no cost. The PSAT/NMSQT assesses critical reading, math problem-solving, and writing skills, offering important feedback on students' strengths and weaknesses in areas essential for college study. Students in 11th grade are strongly encouraged to take the PSAT again, as only those who take the test in this grade are eligible for National Merit Scholarships. Additionally, the PSAT helps identify students for the AP Potential Program.

SAT

Students in 11th and 12th grades are encouraged to take the SAT, which measures critical reading and mathematics skills. Ideally, students should start taking the test in the spring of their 11th grade and may repeat it several times. Most colleges consider the highest critical reading and mathematics scores achieved, even if the scores come from different test dates. The SAT is administered several times each year in Fauquier County, and students must register at least six weeks in advance of the test.

Students may register online at satsuite.collegeboard.org/sat

Free study and preparation materials are available at satsuite.collegeboard.org/sat/practice-preparation, www.khanacademy.org/sat, and from the school counseling office.

ACT

The ACT is a standardized test used for high school achievement assessment and college admissions. It consists of five sections: English, Mathematics, Reading, Science Reasoning, and an optional Writing test. All four-year colleges and universities in the U.S. accept the ACT, but different institutions may prioritize standardized test scores differently compared to other evaluation factors, such as class rank, GPA, and extracurricular activities. The four main sections are scored individually on a scale of 1 to 36, and a composite score is provided, which is the whole number average of the four individual scores.

STEM Academies

Fauquier County Public Schools is proud to host three unique academy programs to prepare students for STEM careers through hands-on experiences and industry certifications. Each program has a series of required courses students *must* complete along with a variety of recommended courses students can use to personalize their experience. All three academies have their requirements for service, certifications, and participation. By meeting these requirements, students can earn medals, honor cords, certificates, and/or diploma seals at graduation.

STEM Academy Programs	
Cybersecurity Academy	Liberty High School
Environmental Studies Academy	Fauquier High School
iSTEM Academy	Kettle Run High School

Any rising 9th or 10th grade with an interest in any of these academies may apply. Students selected to attend an academy away from their base school will be provided transportation to travel before school, during lunch, and/or after school depending on academy and course schedules.

CYBERSECURITY ACADEMY

AT LIBERTY HIGH SCHOOL



Key Elements of the Cybersecurity Academy include:

- ❖ Cross-curricular courses with a cybersecurity emphasis
- ❖ Access to dedicated lab space, co-curricular clubs, competitions, field experiences, and guest speakers
- ❖ Cybersecurity-related extracurricular and co-curricular community activities

To earn the Cybersecurity Academy Honors Medal, students must:

- ✓ Complete all required courses and maintain at least a 3.0 overall GPA
- ✓ Complete 3 recommended courses
- ✓ Earn 1 industry credential
- ✓ Complete an approved cybersecurity internship, service project, or competitive event involving 30 hours of participation

To earn Cybersecurity Academy Graduation Cords, students must:

- ✓ Complete all required courses and maintain at least a 2.5 overall GPA
- ✓ Complete 2 recommended courses
- ✓ Earn 1 industry credential
- ✓ Complete an approved cybersecurity internship, service project, or competitive event involving 20 hours of participation

To earn a Cybersecurity Academy Certificate, students must:

- ✓ Complete all required courses and maintain at least a 2.0 overall GPA
- ✓ Complete 1 recommended course
- ✓ Earn 1 industry credential
- ✓ Complete an approved cybersecurity internship, service project, or competitive event involving 10 hours of participation

ALL Cybersecurity Academy students must maintain a C average

Required Courses for the Cybersecurity Academy

Students in the Cybersecurity Academy take the following courses with their Academy Cohort at Liberty High School

Core Course 1: Cybersecurity Fundamentals (630205)

Cybersecurity affects every individual, organization, and nation. This course focuses on the evolving and all-pervasive technological environment with an emphasis on securing personal, organizational, and national information. Students will be introduced to the principles of cybersecurity, and cryptography, explore emerging technologies, examine threats and protective measures, and investigate the diverse high-skill, high-wage, and high-demand career opportunities in the field of cybersecurity.

Core Course 2: Computer Systems Technology I (862205)

Students enter the world of computer technology and gain practical experience in assembling a computer system. Students will install, configure, and secure various computer systems. Students will troubleshoot computers and peripherals and use system tools and diagnostic software. They develop fundamental skills in computer networking and resource sharing. In addition, students explore the relationships between internal and external computer components.

Core Course 3: Cybersecurity Software Operations (630405)

This course covers many aspects of computer support and administration. Students will become familiar with Linux operating systems and command-line interface environments. Students learn how to install and configure network cards and connect them to networks, install operating systems, create, set up, and manage accounts, load software, and establish, implement, and maintain network integrity security plans. *Upon successful completion of this course, qualifying students may be given the option to take an industry credentialing test from CompTIA.*

Academy Capstone (461065)

Students will demonstrate their knowledge and skills through the completion of an independent project or relevant certification program of their choice. *NOTE: Students must have completed all three core courses before enrolling in capstone.*

Recommended Courses for the Cybersecurity Academy	
Business & Marketing	<ul style="list-style-type: none">• Digital Applications/Keyboarding (661105)• Computer Information Systems (661205)• Advanced Computer Information Systems (661305)
Mathematics	<ul style="list-style-type: none">• AP Computer Science A (318538)• AP Computer Science Principles (100198)• Computer Mathematics (318405)
Military Science	<ul style="list-style-type: none">• Army JROTC I – VIII (791305, 791605, 791805, 791905, 792005, 792205, 792405, 792605)
World Language	<ul style="list-style-type: none">• Turkish I – III (599905, 599915, 599925)• Arabic I – IV (501005, 502005, 503005, 504095)

ENVIRONMENTAL STUDIES ACADEMY

AT FAUQUIER HIGH SCHOOL



Key Elements of the Environmental Studies Program include:

- ❖ Cross-curricular courses with an environmental emphasis
- ❖ Hands-on experiences at the Fauquier Outdoor Lab, FHS Greenhouse, and off-campus research facilities
- ❖ Science-related extracurricular and co-curricular community activities

To earn the Environmental Studies Academy

Honors Medal and Board of Education Seal for Excellence in Science and the Environment, students must:

- ✓ Complete all required courses with a final grade of B or higher
- ✓ Complete AP Environmental Science with a final grade of B or higher (unweighted)
- ✓ Complete 3 recommended courses
- ✓ Complete independent laboratory or field-science research through Academy Capstone
- ✓ Complete a minimum of 50 hours of voluntary community service or extracurricular activities that involve the application of science by graduation. (Examples: environmental monitoring, protection, management or restoration, writing scientific articles)

To earn Environmental Studies Academy Graduation Cords, students must:

- ✓ Complete all required courses and maintain at least a 2.5 overall GPA
- ✓ Complete AP Environmental Science with a final grade of C or higher (unweighted)
- ✓ Complete 2 recommended courses
- ✓ Complete independent laboratory or field-science research through Academy Capstone
- ✓ Complete a minimum of 30 hours of voluntary community service or extracurricular activities that involve the application of science by graduation

To earn the Environmental Studies Academy Certificate, students must:

- ✓ Complete all required courses and maintain at least a 2.0 overall GPA
- ✓ Complete AP Environmental Science with a final grade of C or higher (unweighted)
- ✓ Complete 1 recommended course
- ✓ Complete independent laboratory or field-science research through Academy Capstone
- ✓ Complete a minimum of 20 hours of voluntary community service or extracurricular activities that involve the application of science by graduation

ALL Environmental Studies Academy students must maintain a C average

Required Courses for the Environmental Studies Academy

Environmental Science (421055 for ESA)

Students will meet their academy cohort and receive an introduction to environmental concepts including human impact on the environment, conservation, and the study of natural resources with their academy cohort.

Biology (431005 for ESA)

Students will learn basic principles of biological science and explore the natural world through hands-on activities and readings. Ecology, conservation, sustainability, and biotechnology are emphasized. *NOTE: students who choose to join the academy in 10th grade may take Biology or Biology Honors at their base school in 9th grade*

Chemistry (441005 for ESA)

Students will learn basic chemistry principles through an environmental science lens.

Environmental Science AP (427008)

Students will reinforce and elevate their understanding of environmental science through the Advanced Placement Environmental Science curriculum.

Academy Capstone (461065)

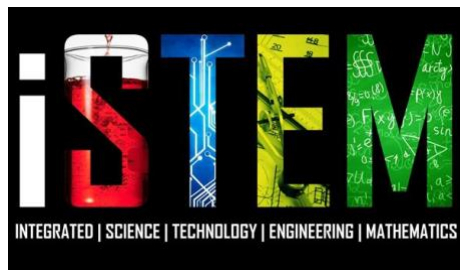
Students will demonstrate their acquired knowledge and skills through the completion of an independent scientific research project in the laboratory or the field. Results will be presented in a formal, juried setting.

Recommended Courses for the Environmental Science Academy	
Science	<ul style="list-style-type: none">• Biology AP (437008)• Chemistry AP (447008)• Marine Biology (432017)• Anatomy & Physiology (433005)• Physics (451005)• Physics I AP (457308)• Geology (424005)• Oceanography (425005)
English	<ul style="list-style-type: none">• Journalism I (120005)• Media Literacy (106205)• Environment in Literature (114055)• AP Seminar (221108)• *AP Research (011058)
CTE	<ul style="list-style-type: none">• Greenhouse Plant Production & Management (803505)• Horticulture Sciences (803415)• Landscaping (803615)• Technical Drawing & Design (843505)• Intro to Animal Systems (800805)• Small Animal Care (808325)
Mathematics	<ul style="list-style-type: none">• Computer Science Principles AP (100198)• Computer Math (318405)• Computer Science A AP (318538)• Probability & Statistics (319005)• Statistics AP (319208)
History & Social Sciences	<ul style="list-style-type: none">• Geospatial Science (295007) <i>with Dual Enrollment (GEOG 161)</i>• Human Geography AP (221208)

**If students take AP Research (011058) and conduct scientific research in the lab or the field, this experience may meet this requirement if approved by the academy director.*

iSTEM ACADEMY

AT KETTLE RUN HIGH SCHOOL



Key Elements of the iSTEM Academy include:

- ❖ Cross-curricular courses with a STEM emphasis
- ❖ Workplace readiness skills and certifications
- ❖ Access to dedicated lab space, co-curricular clubs, field experiences, and guest speakers
- ❖ STEM-related extracurricular and co-curricular community activities

To earn the iSTEM Academy Honors Medal, students must:

- ✓ Complete all required courses and maintain at least a 3.0 overall GPA
- ✓ Complete at least 3 recommended courses and an independent project through Academy Capstone
- ✓ Complete 30 hours of participation in an approved internship or service project
- ✓ Earn 1 industry credential
- ✓ Complete iSTEM Academy Capstone

To earn iSTEM Academy Graduation Cords, students must:

- ✓ Complete all required courses and maintain at least a 2.5 overall GPA
- ✓ Complete at least 2 recommended courses and an independent project with Academy Capstone
- ✓ Complete 20 hours of an approved internship OR service project with 10 hours of participation.
- ✓ Earn 1 industry credential
- ✓ Complete iSTEM Academy Capstone

To earn the iSTEM Academy Certificate, students must:

- ✓ Complete all required courses and maintain at least a 2.0 overall GPA
- ✓ Complete at least 1 recommended course
- ✓ Complete a minimum of 10 cumulative hours of voluntary community service or extracurricular activities that involve the application of STEM
- ✓ Earn 1 industry credential

ALL iSTEM Academy students must maintain a C average

Required Courses for the iSTEM Academy

Students in the iSTEM Academy take the following courses with their Academy Cohort at Kettle Run High School.

Core Course 1: iSTEM I Foundations (461005)

STEM (Science, Technology, Engineering, and Math) is essential for the development of critical thinking and encouraging innovation. iSTEM takes this a step further by incorporating multiple disciplines while challenging students to solve real-world problems and explore their world. This hands-on, projected-oriented, interdisciplinary course will introduce students to engineering, programming, technical writing, research practices, and project management.

Core Course 2: iSTEM II (461035)

This course integrates the study of engineering, computer science, mathematics, and scientific principles in terrestrial and outer space environments. Students will be required to collaborate, write, and solve a host of problems skillfully and creatively. Students are expected to present their finished work in a formal setting with a focus on studies in the terrestrial and space disciplines.

Core Course 3: iSTEM III (461045)

This course integrates the study of engineering, computer science, mathematics, and scientific principles in atmospheric and aquatic environments. Students will be required to collaborate, write, and solve a host of problems skillfully and creatively. Students are expected to present their finished work in a formal setting with a focus on studies based on the oceans and other aquatic areas and the atmosphere.

Academy Capstone (461065)

Students will demonstrate their knowledge and skills through the completion of an independent project to be presented in a formal setting. iSTEM Capstone students are expected to mentor students in iSTEM I, iSTEM II, and iSTEM III classes.

Recommended Courses for the iSTEM Academy	
Science	<ul style="list-style-type: none"> • Physics (451005) • Physics I AP (457308) • Ecology (434005) • Anatomy & Physiology (433005) • Marine Biology (432017) • Environmental Science AP (427008) • Astronomy (426005) • Oceanography (425005)
English	<ul style="list-style-type: none"> • AP Seminar (221108) • AP Research (011058)
CTE	<ul style="list-style-type: none"> • Computer Animation & 3D Modeling (845905) • Graphic Design (845805) • Drafting I (853005) • Engineering Drawing & Design (843605) • Technical Drawing & Design (843505)
Mathematics	<ul style="list-style-type: none"> • Computer Science Principles AP (100198) • Advanced Mathematics (316005) • Pre-Calculus AP (316217) • Probability & Statistics (319005) • Statistics AP (319208) • Calculus (319905) • Calculus AP AB (317718) or BC (317738)
History & Social Sciences	<ul style="list-style-type: none"> • Geospatial Science (295007) <i>with Dual Enrollment (GEOG 161)</i> • Introduction to Psychology (290005) • Psychology AP (290208) • Sociology (250005)

Future Educators Academy

Launching in Fall 2025, Fauquier County Public Schools is excited to partner with Laurel Ridge Community College to offer the Future Educators Academy (FEA). This dual-enrollment program invites rising juniors who aspire to become educators and prepares them for careers as elementary and special education teachers. Sponsored by Fauquier County Public Schools, FEA covers all tuition and course material fees. Through this accelerated pathway, students complete 15–16 credit hours each semester, earning an Associate of Science in Education by high school graduation and preparing them to transfer to a four-year college for a bachelor's degree in teaching.

Eligibility Requirements:

- Rising 11th grader
- Completion of Algebra II with a grade of C or higher by the end of 10th grade
- Three verified credits earned by the end of 10th grade
- Minimum cumulative unweighted GPA of 3.0
- Good academic and disciplinary standing

Participants in FEA are expected to maintain a 3.0 GPA and commit to a two-year teaching position with Fauquier County after earning their bachelor's degree, providing an opportunity to make a meaningful impact in their community. Applications open in October of sophomore year. Spots are limited; a lottery will be held if applications exceed available seats. Please see your school counselor for more information about eligibility and the application process.

Future Educators Academy Curriculum

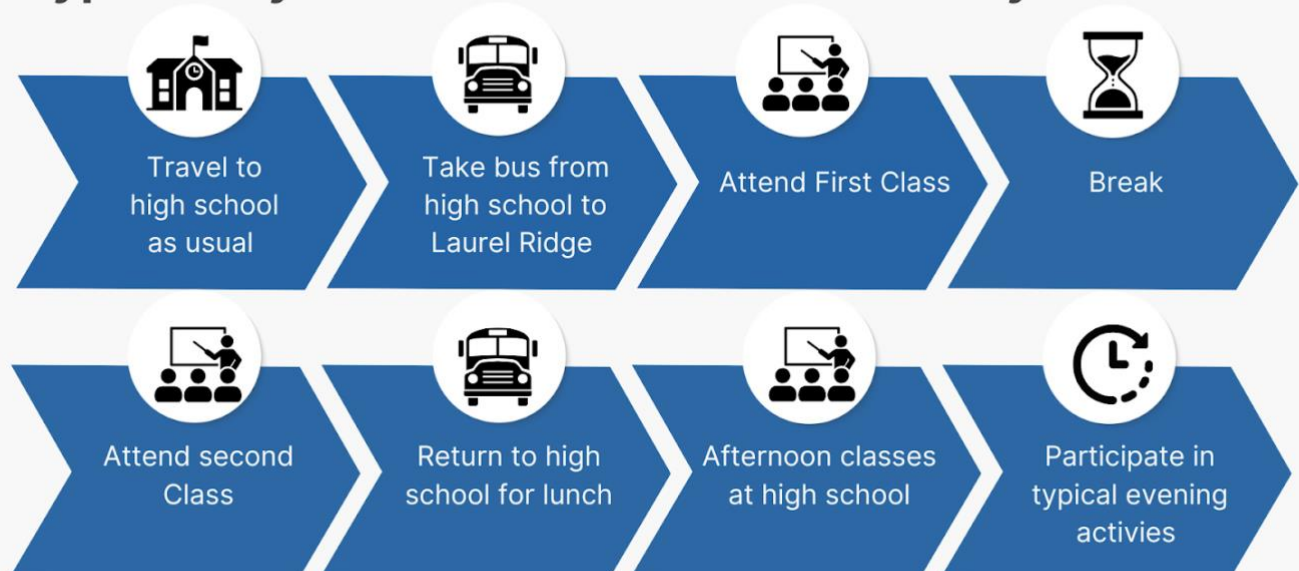
First Semester – Fall Junior Year			
Course Code	Course Name	Credits	Dual Credit
SDV 100	College Success Skills	1	
ENG 111	College Composition I	3	Yes
MTH 154	Quantitative Reasoning	3	Yes
HIS 121	U.S. History to 1877	3	Yes
CST 100	Principles of Public Speaking	3	
EDU 200	Introduction to Teaching as a Profession	3	

Second Semester – Spring Junior Year			
Course Code	Course Name	Credits	Dual Credit
ECO 150	Economic Essentials: Theory and Application	3	
ENG 112	College Composition II	3	Yes
MTH 245	Statistics I	3	Yes
HIS 122	U.S. History since 1865	3	Yes
EDU 207	Human Growth & Development	3	

Third Semester – Fall Senior Year			
Course Code	Course Name	Credits	Dual Credit
ENG 245	American Literature	3	Yes
EDU 204	Teaching in a Diverse Society	3	
PLS 135	U.S. Government and Politics	3	Yes
BIO 101	General Biology	4	Yes
Art 101	History of Art: Prehistoric to Gothic	3	

Fourth Semester – Spring Senior Year			
Course Code	Course Name	Credits	Dual Credit
EDU 250	Foundations of Exceptional Education	3	
PLS 136	State and Local Government and Politics	3	Yes
GEO 220	World Regional Geography	3	
GOL 105 or GOL 106	Physical Geology	4	Yes
	Historical Geology	4	Yes

Typical Day for Future Educators Academy Students



POST-SECONDARY PLANNING TIMELINE

Comprehensive 4-Year Plan

Freshman Year: The Beginning	
Investigate	<ul style="list-style-type: none"> • High school graduation requirements • Interests related to careers • Personal strengths and skills to develop
Create	<ul style="list-style-type: none"> • A portfolio showcasing your skills, including: <ul style="list-style-type: none"> ○ Report cards ○ Awards and honors ○ School and community activities
Action	<ul style="list-style-type: none"> • Set personal goals using the Virginia Wizard • Take challenging courses • Meet with your school counselor to discuss post-secondary goals • Read a variety of materials • Prepare for the PSAT and Pre-ACT • Volunteer or pursue part-time work • Participate in extracurricular activities • Start your Academic and Career Plan in Infinite Campus
Sophomore Year	
Investigate	<ul style="list-style-type: none"> • Career options • Complete college requirements, including: <ul style="list-style-type: none"> ○ English (4 units) ○ Social Studies (4 units) ○ Science (3-4 units) ○ World Language (3-4 units) ○ Mathematics (3-4 units) ○ Fine/Practical Arts/Electives (with a focus) • AP and/or Dual Enrollment courses • Cost of post-secondary education
Create	<ul style="list-style-type: none"> • Update your portfolio regularly • Build your resume • Modify personal goals as needed
Action	<ul style="list-style-type: none"> • Continue challenging courses • Meet with your school counselor to evaluate progress toward goals • Read widely from various materials • Take the PSAT and/or Pre-ACT • Volunteer or pursue part-time work • Start saving for post-graduation education • Stay involved in extracurricular activities

Junior Year	
Investigate	<ul style="list-style-type: none"> • College options and application processes • NCAA Clearinghouse requirements (for college athletes) • Personal traits and how they relate to your goals • Dual Enrollment opportunities with Laurel Ridge Community College
Create	<ul style="list-style-type: none"> • Update your personal goals • Refresh and expand your portfolio • Finalize your resume
Action	<ul style="list-style-type: none"> • Continue taking AP and Honors courses • Take the SAT and/or ACT • Build relationships with teachers for recommendation letters • Take on leadership roles in extracurricular activities • Attend college and career fairs • Visit college campuses during spring break or summer • Meet with your school counselor to update your Academic and Career Plan
Senior Year: crunch time!	
Investigate	<ul style="list-style-type: none"> • A portfolio showcasing your skills, including: • Report cards • Awards and honors • School and community activities
Create	<ul style="list-style-type: none"> • Finalize your resume and personal goals • Update your portfolio throughout the year
Action	<ul style="list-style-type: none"> • June – August <ul style="list-style-type: none"> ◦ Prepare for the SAT/ACT (free prep at Khan Academy) ◦ Practice college applications and essays ◦ Work part-time or pursue an internship ◦ Decide if you will apply for early decision/early action • September <ul style="list-style-type: none"> ◦ Meet with your school counselor to review your plans ◦ Register for the fall SAT/ACT ◦ Research application deadlines ◦ Request recommendation letters • October – December <ul style="list-style-type: none"> ◦ Complete (FAFSA) with your parents ◦ Retake SAT/ACT, if necessary ◦ Submit College Applications • January – March <ul style="list-style-type: none"> ◦ Apply for scholarships • April <ul style="list-style-type: none"> ◦ Review college decisions and finalize your choice ◦ Notify your chosen school with a commitment letter and deposit ◦ Compare financial aid offers ◦ Prepare for AP exams ◦ Apply to community college, if applicable, and take placement tests • May <ul style="list-style-type: none"> ◦ Take AP exams ◦ Send thank-you notes to those who recommendations ◦ Inform your school counselor scholarships and post-secondary plans • June – August (Post HS graduation) <ul style="list-style-type: none"> ◦ Register for college courses ◦ Participate in any summer orientations ◦ Finalize financial aid agreements

How Can My High School Counselor Help Me?



Academic Advising



Career and College Planning



Financial Aid Applications



Personal or Social Issues

20 Questions to Ask Your High School Counselor

1. What courses do I need to take to be ready for college?
2. How should I plan my schedule so I can complete it?
3. Which elective courses do you recommend?
4. Which AP/IB/Cambridge courses should I consider taking?
5. When is the PSAT/NMSQT or Pre-ACT going to be given?
6. How should I study for the SAT or ACT, and is it given at this high school or do I need to go somewhere nearby?
7. Do you have any college planning sessions scheduled?
8. Do you have college handbooks or other guides that I can browse or borrow?
9. What activities can I do at home and over the summer to get ready for college?
10. What kinds of grades do different colleges require?
11. Are there any college fairs at this school, or nearby?
12. What colleges do other kids from our school go to?
13. What are the requirements or standards for the honor society?
14. Can you put me in touch with recent grads who are going to colleges on my wish list?
15. Do you have any information to help me start exploring careers?
16. If my college needs a recommendation from you, how can I help you know me better, so it can be more personal?
17. Are there any special scholarships or awards that I should know about, so I can work toward them?
18. Can I see my transcript as it stands now, to see if everything is as I think it should be?
19. What forms do I use to apply for financial aid and where can I find them online?
20. How does our school compare to others, in terms of test scores and reputation?

Career Clusters

To succeed in any career, individuals should be able to work effectively as part of a team, take responsibility, understand complex information, communicate clearly in both writing and speech, perform accurate calculations, use computers proficiently for information processing, and accurately record and interpret data.

A career cluster is a group of occupations and broad industries that share common characteristics. Examples of career clusters include:

Agriculture, Food & Natural Resources

Food Products and Processing Systems • Plant Systems • Animal Systems •
Power, Structural, and Technical Systems • Natural Resource Systems •
Environmental Service Systems • Agribusiness Systems

Architecture & Construction

Design & Pre-Construction • Construction • Maintenance & Operations

Arts, AV Technology & Communications

Audio and Video Technology and Film • Printing Technology • Visual Arts • Performing Arts •
Journalism and Broadcasting • Telecommunications

Business, Management & Administration

General Management • Business Information Management • Human Resources Management •
Operations Management • Administrative Support

Education & Training

Administration and Administrative Support • Professional Support Services • Teaching & Training

Finance

Securities and Investments • Business Finance • Accounting • Insurance • Banking Services

Government & Public Administration

Governance • National Security • Foreign Service • Planning • Revenue and Taxation •
Regulation • Public Management & Administration

Health Science

Therapeutic Services • Diagnostic Services • Health Informatics •
Support Services • Biotechnology Research & Development

Hospitality & Tourism

Restaurants & Food/Beverage Services • Lodging •
Travel and Tourism • Recreation, Amusement and Attraction

Human Services

Early Childhood Development and Services • Counseling & Mental Health Services •
Family & Community Services • Personal Care Services • Consumer Services

Information Technology

Network Systems • Information Support & Services •
Web & Digital Communications • Programming & Software Development

Law, Public Safety, Corrections & Security

Correctional Services • Emergency & Fire Management Services • Security & Protective Services •
Law Enforcement • Legal Services

Manufacturing

Production • Manufacturing Production Process Development • Maintenance • Installation & Repair •
Quality Assurance • Logistics & Inventory Control • Health, Safety & Environmental Assurance

Marketing, Sales, & Service

Marketing Management • Professional Sales • Merchandising •
Marketing Communications • Marketing Research

Science, Technology, Engineering & Mathematics

Engineering and Technology • Science and Mathematics

Transportation, Distribution, & Logistics

Transportation Operations • Logistics Planning & Management Services •
Warehousing & Distribution Center Operations • Facility & Mobile Equipment Maintenance •
Transportation Systems & Infrastructure Planning • Management and Regulation •
Health, Safety, & Environmental Management • Sales & Services

Completing the Academic and Career Planning Guide

Complete the Academic & Career Planning Guide with your family and your school's counseling department

1. Select a Career Cluster/Path

- Choose a career cluster or path that aligns with your interests, skills, values, and strengths.
- Explore occupations that relate to your abilities.
- Research the education, skills, and knowledge required for success in these fields.

2. Decide on your Diploma Type.

- Advanced Studies Diploma
- Standard Diploma

3. Choose Courses that Support Your Career Path and Diploma Choice

- Select courses that connect to your chosen career path and support the requirements for your diploma type.

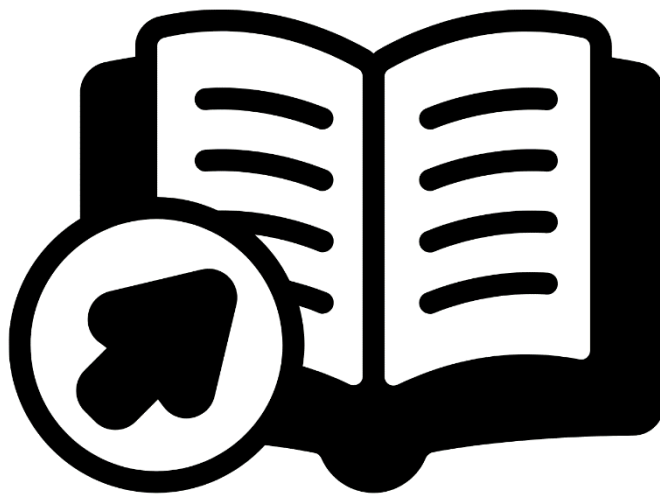
Fauquier County Public Schools

Academic and Career Planning Guide

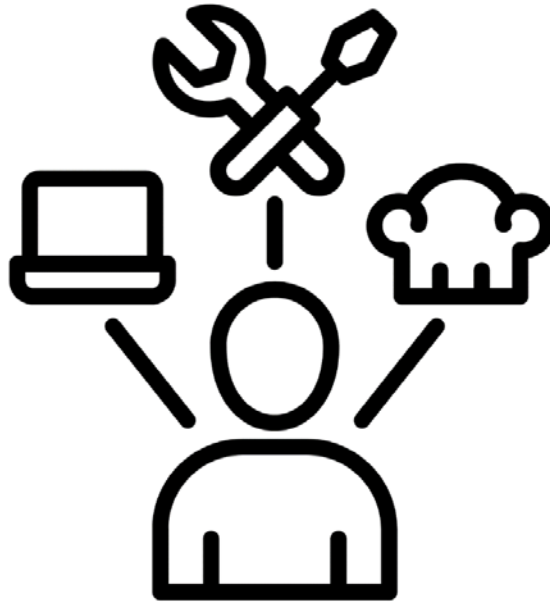
Student Name:						Student #:		Anticipated Graduation Date:	
School:									
High School Diploma Goal(s)		Diploma Type						Diploma Recognition & Seals	
		Standard		Advanced Studies		Other:			
Career Goal(s)									
Post-Secondary Goal(s)		4-Year College/University:			2-Year Community College/Tech Program:			Military Branch:	
		Other:							
Middle School	Grade	English	Mathematics	Science	History & SS	Health & PE	World Lang.	Electives	
	7								
	8								
High School	9	English 9		Earth Science, Env. Science, or Honors Biology	World History & Geography to 1500	Health & PE 9 (CPR, AED, First Aid)			
	10	English 10			World History & Geography 1500 to Present	Health & PE 10			
	11	English 11			VA & US History				
	12	English 12			VA & US Government				
	11 & 12	Economics and Personal Finance (Virtual course requirements embedded in this program)							

Section II

Course Catalog



CAREER & TECHNICAL EDUCATION



Course Offerings

Agriculture Education • Business & Marketing • Family & Consumer Science • Health & Medical Services •
STEM/Technology Education • Trade & Industrial Education • Military Science (AJROTC)

Completers

A Career and Technical Education (CTE) Completer is a student who has taken a sequence of state-approved courses and met all requirements for high school. An approved CTE sequence is designed to develop occupation competencies required for specific career pathways and continuing education. These concentration sequences are listed at the beginning of each CTE program.

Certificates/Licenses

Completion of certain skill sets and coursework enables students to participate in Virginia Board of Education-approved assessments for industry certifications, a state license, or national and/or occupational competency certifications. Students who earn these credentials are eligible to earn verified credits toward graduation requirements. At the beginning of each CTE program is a list of the tests offered by Fauquier County Public Schools. Students earning a Standard Diploma are required to earn a Virginia board-approved Career and Technical Education credential.

Cooperative Education

Certain Career and Technical Education courses have an optional work component. Students in 11th or 12th grade enrolled in these classes may choose to participate in these work experiences. Students must complete a full year of employment to receive credit. Partial credit is not awarded. Students who plan to graduate in January are not eligible for this program. One credit is awarded for classroom instruction and one credit is awarded for the work experience. Students may participate in only one Cooperative Education program per school year.

Agriculture Education



All agriculture courses count toward meeting the one-credit graduation requirement for Fine Arts or Careers and Technical Education.

All agriculture students will have a Supervised Agriculture Experience (SAE) and participate in the FFA. FFA is a premier youth organization preparing members for leadership and careers in the science, business, and technology of agriculture.

The National FFA Organization is the intra-curricular organization for students enrolled in agriculture education courses. This club allows students to use the skills and knowledge they have acquired in class, to compete in district, state, and national competitions, as well as, in their future careers.

Agriculture Education Completer Sequence

Option 1

Applied Agriculture Concepts and one of the following:

- Horticulture Sciences
- Introduction to Animal Systems
- Landscaping I
- Landscaping II

Option 2

Agricultural Business Fundamentals and one of the following:

- Floral Design I
- Floral Design II
- Greenhouse Plant Production & Management
- Introduction to Animal Systems
- Landscaping I
- Landscaping II
- Small Animal Care

Option 3

Introduction to Animal Systems and one of the following:

- Small Animal Care
- Agricultural Business Fundamentals
- Applied Agriculture Concepts

Option 4

Small Animal Care and one of the following:

- Agricultural Business Fundamentals
- Introduction to Animal systems

Option 5

Two of the following:

- Agricultural Business Fundamentals
- Applied Agricultural Concepts
- Agricultural Machinery I
- Agricultural Machinery II
- Agricultural Machinery II

Option 6

Two of the following:

- Agriculture Business Fundamentals
- Floral Design I
- Floral Design II

Cooperative Education

Cooperative Education is a work-based learning and career preparation program that combines CTE classroom instruction with paid employment directly tied to the student's field of study. The school and employer collaboratively plan, coordinate, and supervise the student's work experience to ensure it contributes meaningfully to the student's career goals and employability. Students can earn credit toward graduation through these cooperative education experiences. This year-long commitment requires a minimum of 280 hours of work for credit. Cooperative Education credit is available in:

- Agricultural Machinery II: Agriculture Power Systems
- Agricultural Machinery III: Agricultural Fabrication & Emerging Technologies
- Agricultural Business Fundamentals
- Landscaping
- Greenhouse Plant Production & Management
- Floral Design I
- Floral Design II
- Agricultural Business
- Horticulture Sciences

Credentialing Tests Offered in Agriculture Education

- Workplace Readiness Skills for the Commonwealth
- National Career Readiness
- Agricultural Mechanics (NOCTI)
- Floriculture (NOCTI)
- Floriculture: Greenhouse (NOCTI)
- Greenhouse Operator
- Horticulture: Landscaping (NOCTI)
- Animal Systems Assessment (NOCTI)
- Beef Quality/Assurance

Applied Agricultural Concepts 807305

Credit: 1

Grade: 9 – 12

Prerequisite: None

This introductory class is recommended as a student's first agricultural course in high school. Areas of instruction include home lawn, garden, and pasture care, agriculture sustainability, basic home and farm maintenance (including plumbing, electrical wiring, and carpentry fundamentals), and animal and meat grading and selection. This course emphasizes leadership development activities and participation in FFA events. Teachers may incorporate additional competencies related to local agriculture.

**Agricultural Business Fundamentals 802205
(Co-Op) 802225**

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: None

Students develop the necessary knowledge, skills, habits, and attitudes for employment in agricultural business off the farm. Emphasis is placed on personal financial management, consumer choices, financial record-keeping, business structures and procedures, and the economics of marketing agricultural products and services. Leadership training is provided through FFA.

Introduction to Animal Systems 800805

Credit: 1

Grade: 9 – 12

Prerequisite: None

In this course, students will develop skills across key areas of the Animal Systems career pathway, including animal nutrition, reproduction, breeding, care, management, and safety. Additionally, students will gain agricultural mechanics skills relevant to animal systems. As with all agriculture courses, this class will emphasize leadership principles, opportunities in student organizations, and Supervised Agricultural Experience (SAE) opportunities.

Small Animal Care 808325

Credit: 1

Grade: 9 – 12

Prerequisite: Introduction to Animal Systems recommended.

Students will learn how to care for and manage animals, focusing on instructional areas in animal health, nutrition, management, reproduction, and evaluation. Course content also includes instruction in the tools, equipment, and facilities for animal care, and provides activities to foster leadership development. FFA and SAE activities are strongly encouraged.

Agricultural Machinery I: Introduction to Power - Structural & Technical Systems 801605

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course introduces students to fundamental concepts in agricultural power. Topics covered include basic engine principles, power trains, hydraulics, and electrical systems. Additionally, the curriculum includes instruction in building structures, metal fabrication, precision agricultural management, and leadership training within the FFA.

**Agricultural Machinery II: Agricultural Power Systems 801805
(Co-Op) 801825**

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: Agricultural Machinery I

Instruction in agricultural power systems will focus on increasing the depth of study in power and technical systems. Areas to be addressed are engines, power trains, hydraulics, electrical systems, and fuels. Instruction will also include precision measurement, leadership, career skills, and leadership training in FFA. Students combine classroom instruction with supervised on-the-job training in an approved position, with continuing supervision throughout the year.

**Agricultural Machinery III: Agricultural Fabrication & Emerging Technologies 801905
(Co-Op) 801925**

Credit: 1 (one additional credit for Co-Op)

Grade: 11 – 12

Prerequisite: Agricultural Machinery II

In this course, students will learn about agricultural fabrication and emerging technologies. The curriculum will emphasize hot and cold metal fabrication techniques and explore innovative technologies used in the agriculture industry.

**Horticultural Sciences 803415
(Co-Op) 803425**

Credit: 1 (one additional credit for Co-Op)

Grade: 9 – 12

Prerequisite: None

This course equips students with essential skills for careers in floriculture, landscape design, greenhouse operation, nursery plant production, and turf management. Students gain hands-on experience in identifying, propagating, and growing horticultural plants in the greenhouse and land laboratory. An introduction to hydroponics and biotechnology is also provided. Students will explore career opportunities and develop leadership skills through involvement in FFA activities.

Landscaping **803615**
(Co-Op) 803625

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: Completion of Horticultural Sciences.

In this course, students develop the necessary knowledge, skills, habits, and attitudes for entry-level employment and advancement in landscape design, construction, and maintenance. Students receive instruction in sketching and drawing, analyzing a landscape site, designing for function and aesthetics, identifying and selecting landscape plants, purchasing and installing plants, and maintaining the landscape through watering, fertilizing, mulching, pruning, and controlling pests.

Greenhouse Plant Production & Mgmt. **803505**
(Co-Op) 803525

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: Completion of Horticultural Sciences

Students enrolled in this course learn the operating procedures for a greenhouse. Units of instruction include developing plant production facilities, scientific application in plant production, and identification of plants. Business management and marketing skills are emphasized to prepare students for greenhouse plant production and management careers. Leadership development is offered through participation in FFA.

Floral Design I **805505**
(Co-Op) 805525

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: None

Course content covers career opportunities, floral design foundations, design applications, and the marketing of floral products. Specific design styles to be examined include mass, mass-line, line, vase, wedding, balloon, holiday, and personal adornment arrangements. The course also emphasizes leadership activities and opportunities to participate in FFA events.

Floral Design II **805605**
(Co-Op) 805625

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: Floral Design I

Course content covers historical designs, contemporary designs, oriental designs, seasonal designs, floral designs, and designs for dried arrangements, novelty pieces, special events, and sympathy work. Students also study pricing, advertising design, wire services, delivery processes, professional organizations, sales activities, and opportunities to participate in FFA events.

Business and Marketing



Business

All Business Education courses will count toward meeting the one-credit graduation requirement for Fine Arts or Career and Technical Education.

Future Business Leaders of America (FBLA) is a co-curricular organization for business students, offering opportunities to apply their skills and knowledge in district, state, and national competitions.

Business Education Completer Sequence

Option 1

Two of the following:

- Business Law
- Accounting
- Advanced Accounting
- Computer Information Systems
- Advanced Computer Information Systems
- Office Administration
- Digital Applications/Keyboarding
- Entrepreneurship

Option 2

Office Specialist I, II, or III and one of the following:

- Business Law
- Digital Applications
- Accounting
- Advanced Accounting
- Office Administration
- Computer Information Systems
- Advanced Computer Information Systems

Credentialing Tests Offered in Business Education

- Microsoft Office Specialist – MOS
- WISE Financial Literacy Certification (ADD)
- Workplace Readiness Skills for the Commonwealth Exam

Marketing

All marketing education courses will count toward meeting the one-credit graduation requirement for Fine Arts or Career and Technical Education.

Distributive Education Clubs of America (DECA), is a career technical student organization for marketing students with an opportunity to use the skills and knowledge they have acquired in district, state, and national competitions.

Marketing Education Completer Sequence

Two of the following:

- Marketing
- Entrepreneurship
- Fashion Marketing
- Advanced Fashion Marketing
- Sports and Entertainment Marketing
- Sports and Entertainment Management
- Travel and Tourism Marketing

Credentialing Tests Offered in Marketing Education

- Customer Service and Sales
- WISE Financial Literacy Certification
- Workplace Readiness Skills for the Commonwealth

Cooperative Education

Cooperative Education is a work-based learning and career preparation method that combines CTE classroom instruction with paid employment directly related to the student's study plan. The school and the employer plan, coordinate, and supervise the instruction and employment so that each contributes directly to the student's career objectives and employability. Students may earn credit toward graduation for cooperative education experiences. This is a year-long commitment with a minimum of 280 hours for credit. Cooperative education credit is available in:

- Business Law
- Office Specialist III
- Office Administration
- Accounting
- Advanced Accounting
- Computer Information Systems
- Digital Applications/Keyboarding
- Economics and Personal Finance
- Marketing
- Fashion Marketing
- Advanced Fashion Marketing
- Entrepreneurship
- Marketing Management
- Sports and Entertainment Management
- Hospitality and Tourism Marketing

**Business Law 613105****(Co-Op) 613125**

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: None

Students examine the foundations of the American legal system and learn the rights and responsibilities of citizens and businesses. Students gain knowledge and skills by exploring economic and social concepts related to the laws governing businesses and individuals. Focus areas include contracts, consumer protection, criminal law, employment law, cyber law, and careers in the legal profession.

Digital Applications/Keyboarding 661105

Credit: 1

Grade: 9 – 10

Prerequisite: None

This course is designed for secondary school students to develop keyboarding skills, basic computer operations, application software (word processing, spreadsheets, multimedia applications, databases), career exploration, and real-life outcome-driven skills for digital citizenship. Students who complete this course may be eligible for a rigorous and relevant industry certification examination. Student skills may be enhanced by participation in work-based learning activities and/or the Future Business Leaders of America (FBLA).

Office Specialist I 674003

Credit: 1

Grade: 9 – 10

Prerequisite: None

Students complete the Office Specialist sequence identified locally or progress in the sequence until prepared to transfer to other business courses. Students develop skills in areas including keyboarding, word processing, office procedures, and records management. If a fourth year is needed, the teacher will use simulated activities in the following topics: word processing, spreadsheets, databases, telecommunications, desktop publishing, and records management.

Office Specialist II 674103**(Co-Op) 674125**

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 11

Prerequisite: Office Specialist I or Digital Applications

Students complete the Office Specialist sequence or advance to other business courses. They develop skills in keyboarding, word processing, office procedures, and records management. If a fourth year is needed the teacher will use simulated activities in the following topics: word processing, spreadsheets, databases, telecommunications, desktop publishing, and records management. The course also includes a cooperative education option, allowing students to combine classroom instruction with supervised on-the-job training in an approved position, with ongoing supervision throughout the school year.

Office Specialist III 674203**(Co-Op) 674225**

Credit: 1 (one additional credit for Co-Op)

Grade: 11 – 12

Prerequisite: Office Specialist II

Students complete the Office Specialist sequence identified locally or progress through the sequence until prepared to transfer to other business courses. Students develop essential skills such as keyboarding, word processing, office procedures, and records management. If a fourth year is needed, the teacher will use simulated activities in the following topics: word processing, spreadsheets, databases, telecommunications, desktop publishing, and records management. The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

Office Administration 662105**(Co-Op) 662125**

Credit: 1 (one additional credit for Co-Op)

Grade: 11 – 12

Prerequisite: Digital Applications/Office Specialist I

In this course, students will develop and enhance skills in processing and managing information, data, and financial functions while improving communication skills and other vital competencies needed for successful employment as administrative support professionals. They will examine and employ the latest technology and software in office systems. In addition, students will study the procedures involved in information processing, procurement, telecommunications, maintaining office systems, organizing and planning functions, supervising employees, and developing employability skills.

Accounting **632005**
(Co-Op) 632025

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: None

Accounting students study the basic principles, concepts, and practices of accounting cycles for both service and merchandising businesses. Topics covered include analyzing transactions, journal writing, and posting entries, preparing payroll records and financial statements, and managing cash systems. Business ethics and professional conduct are emphasized. Students learn fundamental accounting procedures.

Advanced Accounting **632105**
(Co-Op) 632125

Credit: 1 (one additional credit for Co-Op)

Grade: 11 – 12

Prerequisite: Accounting

Students gain knowledge of advanced accounting principles, procedures, and techniques to solve business problems and make financial decisions. Students work in a technology-integrated environment, using accounting and spreadsheet software to analyze, synthesize, evaluate, and interpret business financial data related to inventory, fixed assets, notes/accounts payable and receivable, implantation of a partnership and a corporation, and other specialized accounting systems. Using authentic workplace scenarios that reflect current industry trends and standards, students analyze financial data to acquire knowledge of business ethics.

Computer Information Systems **661205**
(Co-Op) 661225

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: Digital Applications highly recommended

Students apply problem-solving skills to real-life situations through word processing, spreadsheets, databases, multimedia presentations, and integrated software activities. Students work individually and in groups to explore computer concepts, operating systems, networks, telecommunications, and emerging technologies, as well as career opportunities related to the information technology field.

Advanced Computer Information Systems **661305**
(Co-Op) 661325

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: Computer Information Systems

Students enhance computer information technology skills through the use of advanced integrated applications to create documents, publications, and websites, including complex graphs, customized reports,

and multimedia presentations. In addition to implementing programming and executing network activities, students will also practice the maintenance, management, and troubleshooting of systems; legal and ethical issues are explored; preparation is given for industry certifications; and employability skills are developed.

Economics and Personal Finance **6120CTE**
(Co-Op) 612025

Credit: 1 (one additional credit for Co-Op)

Grade: 11 – 12

Prerequisite: None

In this course, which satisfies the financial literacy requirements for graduation, students navigate financial decisions they must face and make informed decisions related to career exploration, budgeting, banking, credit, insurance, spending, taxes, savings, investing, buying/leasing a vehicle, living independently, and inheritance. The development of financial literacy skills and an understanding of economic principles are the basis for responsible citizenship and career success. In addition to developing personal finance skills, students in this course will study occupational skills and concepts in preparation for entry-level employment in the field of finance. Students will take the WISE exam.



Marketing **812005**
(Co-Op) 812025

Credit: 1 (one additional credit for Co-Op)

Grade: 9 – 12

Prerequisite: None

Career and Technical Student Organization: DECA

Students examine activities in marketing and business that are important for success in marketing employment and postsecondary education. Students will learn how products are developed, branded, and sold to businesses and consumers. They will analyze industry trends and gain hands-on experience in the marketing of goods, services, and ideas. Topics will include professionalism in the workplace, product planning and positioning, promotion, pricing, selling, economic issues, and the impact of technology on the marketplace.

Fashion Marketing **814005**
(Co-Op) 814025

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: None

Career and Technical Student Organization: DECA

This course leads students into the exciting and ever-changing world of fashion. Students gain knowledge of marketing as it relates to the fashion industry. From brick-and-mortar retail establishments to online retail and social media marketing, students will explore aspects such as trends, technology, the buying process, visual merchandising, the history of fashion designers, and the global impact of the fashion industry on the economy. Academic skills related to the content are part of the course.

Advanced Fashion Marketing **814505**
(Co-Op) 814525

Credit: 1 (one additional credit for Co-Op)

Grade: 11 – 12

Prerequisite: Fashion Marketing

Career and Technical Student Organization: DECA

This advanced-level course prepares students for a career in the global fashion industry. Students gain a deeper knowledge of the field and apply skills in marketing. They explore sustainability, social responsibility, entrepreneurship, technology applications, buying, portfolio development, and careers. Academic skills related to the content are part of the course.

Entrepreneurship **909305**
(Co-Op) 909325

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: None

This course introduces students to the exciting world of creating, owning, and launching their own business. Students will learn concepts and techniques for planning innovative businesses and living an entrepreneurial lifestyle.

Marketing Management **813205**
(Co-Op) 813225

Credit: 1 (one additional credit for Co-Op)

Grade: 12

Prerequisite: None

Career and Technical Student Organization: DECA

This course is designed for high school seniors who plan to attend college with a concentration in marketing, business, or management and/or who have plans to

manage or own a business. Students will be exposed to all aspects of marketing and management, including branding, digital marketing, promotion, communication, and career opportunities in marketing.

Sports and Entertainment Marketing **817505**
(Co-Op) 817525

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: None

Career and Technical Student Organization: DECA

Students develop a thorough understanding of fundamental marketing concepts and theories relating to the sports and entertainment industries. Students will investigate the components of customer service skills, branding, product development, pricing and distribution strategies, business structures, sales processes, digital media sponsorships and endorsements, and promotion plans needed for sports and entertainment events. The course also supports career development skills, explores career options, and develops workplace readiness skills.

Sports and Entertainment Management **817705**
(Co-Op) 817725

Credit: 1 (one additional credit for Co-Op)

Grade: 11 – 12

Prerequisite: Sports and Entertainment Marketing

Career and Technical Student Organization: DECA

Students build on prior knowledge of sports and entertainment marketing. This course focuses on the principles of management and planning, supported by research, financial, and legal concepts. Students plan an event, develop a career plan, and establish a sports, entertainment, or recreation marketing product/business.

Travel and Tourism Marketing **813905**
(Co-Op) 813925

Credit: 1 (one additional credit for Co-Op)

Grade: 10 – 12

Prerequisite: None

Career and Technical Student Organization: DECA

Students gain knowledge of the hospitality and tourism industry, including attractions, lodging, transportation, and food and beverage. Other topics include the history, political, social, and cultural impacts that hospitality and tourism have had on local, state, and global environments. Students will develop competencies in the areas of communication, customer service, marketing industry technology, economics, and management functions, and will be provided with opportunities for hands-on, real-world applications.

Family and Consumer Sciences



All Family and Consumer Sciences courses will count toward meeting the one-credit graduation requirement for Fine Arts or Career and Technical Education.

Family, Career, and Community Leaders of America (FCCLA) is the co-curricular organization for Family and Consumer Sciences students. This intra-curricular club allows students to use the skills and knowledge they have acquired in district, state, and national competitions.

Family & Consumer Science Completer Sequence

Option 1

Child Development and one of the following:

- Nutrition & Wellness
- Early Childhood Education & Services I
- Early Childhood Education & Services II

Option 2

Two of the following:

- Child Development
- Early Childhood Education & Services I
- Early Childhood Education & Services II

Option 3

Two of the following:

- Nutrition & Wellness
- Culinary Arts I
- Culinary Arts II

Option 4

Introduction to Interior Design and two of the following:

- Nutrition & Wellness
- Culinary Arts I
- Culinary Arts II

Credentialing Tests Offered in Family and Consumer Sciences:

- Workplace Readiness Skills for the Commonwealth



Child Development

823205

Credit: 1

Grade: 10 – 12

Prerequisite: None

The growth and development of children are studied in this single-block course. Practical experiences in a daycare center or observation of child behavior are essential to this course. Emphasis is given to parental responsibility, community resources, and the environment.

Early Childhood Education & Services I

828505

Credit: 1

Grade: 11 – 12

Prerequisite: Grade of C or better in Child Development or recommendation from instructor. All students must complete a program application.

This course combines the study of child growth and development with participation in the planning and operation of a child-care center for three and four-year-olds. Opportunity is provided for students to prepare for careers involving children and for the responsibility of making daily decisions that affect children. Career opportunities that involve working with children are explored such as social work, education, psychology, child care, and medicine. *Note: Because of high demand, a Child Care Specialist application must be submitted, and the grade point average in the prerequisite course (Child Development) may be considered for enrollment. Applications can be acquired from the counseling department. Offered only at FHS.*

Early Childhood Education & Services II

828605

Credit: 1

Grade: 11 – 12

Prerequisite: Grade of C or better in Early Childhood Education & Services I.

Students prepare for positions in childcare centers as care attendants, kindergarten aides, or child-care assistants; as foster parents; or as entrepreneurs. Critical thinking, practical problem-solving, and entrepreneurship opportunities within the field of early childhood education are emphasized. Teachers highlight the basic skills of math, science, and communication when appropriate in the content. *Note: Because of high demand, a Child Care Specialist application must be submitted, and the grade point average in the prerequisite course (Child Development and Early Childhood Education & Services I) may be considered for enrollment. Applications can be acquired from the counseling department. Offered only at FHS.*



Culinary Arts I **825005**

Credit: 1

Grade: 10 – 12

Prerequisite: Must be 15 years old by the start of the class.

The Culinary Arts curriculum allows students to explore career opportunities and entrepreneurial opportunities within the food service industry. Students investigate food safety and sanitation, explore culinary preparation foundations, practice basic culinary skills, explore diverse cuisines and service styles, investigate nutrition and menu development, and examine food economics. The curriculum places a strong emphasis on science and mathematics knowledge and skills.

Culinary Arts II **827605**

Credit: 2

Grade: 10 – 12

Prerequisite: Culinary Arts I. Grade of C or better recommended.

The Culinary Arts II curriculum provides students with continuing opportunities to acquire a comprehensive knowledge of the food industry as well as to expand their technical skills. Students practice kitchen safety and sanitation, apply nutritional principles to food preparation and storage, perform a wide range of more advanced food preparation techniques including garden management and baking, refine their dining room serving skills, develop menus, perform on-site catered functions, and strengthen their business and math skills. The curriculum continues to place a strong emphasis on science and mathematics knowledge and skills.

Nutrition and Wellness **822905**

Credit: 1

Grade: 9 – 12

Prerequisite: None

Students enrolled in Nutrition and Wellness focus on understanding wellness, investigating principles of nutrition, using science and technology in food management, ensuring food safety, planning menus, and preparing food, and exploring careers in the field of nutrition and wellness. Critical thinking and practical problem-solving are emphasized.



Introduction to Interior Design **825505**

Credit: 1

Grade: 10 – 12

Prerequisite: None.

The Introduction to Interior Design students explore influences on the design of interior spaces, investigate careers in the interior design industry, and focus on the technical and soft skills necessary for employment in the field of interior design. Students develop an interior design project that meets specific criteria and includes elements and principles of design.

Health and Medical Sciences



All Health and Medical Sciences courses will count toward meeting the one-credit graduation requirement for Fine Arts or Career and Technical Education.

Health Occupations Students of America (HOSA) is the co-curricular organization for Health and Medical Sciences students. HOSA allows students to apply the skills and knowledge they acquired in district, state, and national competitions.

Health and Medical Science Completer Sequence

Option 1

Both of the following:

- Introduction to Health and Medical Sciences
- Nurse Aide

Option 2

Two of the following:

- Introduction to Health & Medical Sciences
- Pharmacy Technician I
- Pharmacy Technician II

Credentialing Tests Offered in Health and Medical Sciences

- Workplace Readiness Skills for the Commonwealth
- Certified Nurse Aide (CNA)
- Certified Pharmacy Technician (CPhT)

Intro to Health & Medical Sciences **830205**

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course introduces students to healthcare careers and develops basic skills required in all health and medical sciences. It is designed to help students understand the key elements of the U.S. healthcare system and learn basic healthcare terminology, anatomy, and physiology for each body system, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of traumatic and medical emergency care. Instruction emphasizes safety, cleanliness, asepsis, professionalism, accountability, and efficiency within the healthcare environment. Students also gain job-seeking skills in the health and medical sciences field. In addition, instruction may include the basics of medical laboratory procedures, pharmacology fundamentals, biotechnology concepts, and communication skills essential for providing quality patient care.

Nurse Aide **836005**

Credit: 1

Grade: 12

Prerequisite: Intro to Health and Medical Science, rec.

Nurse Aide, is an occupational preparation course regulated under the Virginia Board of Nursing. It emphasizes the study of nursing occupations as related to the healthcare system. Students study growth and development across the lifespan, simple body structure and function, and medical terminology. They are introduced to concepts of infection prevention and disease processes. Students receive entry-level skill training in patient-nurse aide relationships; measuring and recording vital signs; cardiopulmonary resuscitation; and general patient care such as bathing, feeding, dressing, catheter care, range of motion, and bowel and bladder care. On-the-job instruction in an Assisted Living Facility and completion of American Heart Association's Cardiopulmonary Resuscitation (CPR) is a requirement of the course. Upon completion of the nurse aide program, the student is eligible to take the nurse aide certification exam that leads to employment as a certified nurse aide in hospitals and nursing homes. Requirements: Application, uniform fee, white shoes, watch with second hand, TB screening. ***Offered only at FHS. Note: Board-approved programs must maintain regulatory compliance for all enrolled students. For students to be considered graduates of any approved program, the program must be completed in entirety to include both classroom and clinical portions of the program. Further, pursuant to regulation (18VAC90-26-50 (C)(3)), clinical must include a minimum of 40 hours of direct client care. Hours of observation shall not be included in the required 40 hours of clinical training. Simulation/lab does not count as direct client care clinical experiences.***

Pharmacy Technician I **830505**

Credit: 1

Grade: 11 – 12

Prerequisite: Intro to Health and Medical Science is recommended.

This course introduces students to the pharmacy technician profession, covering pharmacy settings, health and safety, medical terminology, drug classes, and pharmacy math. Students will also explore skills applicable to other medical careers. ***Offered only at FHS***

Pharmacy Technician II **830605**

Credit: 2

Grade: 12

Prerequisite: Pharmacy Technician I

This double-block course prepares students for employment and licensure as pharmacy technicians. Topics include advanced techniques such as medication compounding, inventory management, and prescription processing. Completion of both Pharmacy Technician I and II qualifies students to take the Pharmacy Technician Certification Exam.. ***Offered only at FHS***

STEM/Technology Education



All STEM/Technology Education courses will count toward meeting the one-credit graduation requirement for Fine Arts or Career and Technical Education.

Technology Students of America (TSA) is the intra-curricular organization for STEM/Technology Education students. This co-curricular club provides students the opportunity to apply the skills and knowledge they have acquired in various district, state, and national competitions.

STEM/Technology Education Completer Sequence

Option 1

Technical Drawing & Design and one of the following:

- Architectural Drawing & Design
- Engineering Drawing & Design

Option 2

Both of the following:

- Principles of Technology I
- Principles of Technology II

Option 3

Two of the following:

- Graphic Design I
- Graphic Design II
- Graphic Design III
- Graphic Design IV

Option 4

Both of the following:

- Drafting I
- Drafting II

Credentialing Tests Offered STEM/Technology

- Workplace Readiness Skills for the Commonwealth
- ADDA Drafting Certification
- Architectural Drafting (NOCTI)
- Autodesk AutoCAD
- Autodesk Revit Certification
- ADDA Architectural Drafting
- Adobe Certified – ACA
- Autodesk Certification

Technical Drawing and Design

843505

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course introduces the basics of technical design, including sketching, drawing, and creating models or prototypes to solve real-world problems. Students develop spatial skills and apply math concepts to visual designs.. This course is highly recommended for students interested in engineering or architecture.

Architectural Drawing and Design

843705

Credit: 1

Grade: 10 – 12

Prerequisite: Technical Drawing and Design

Students explore architectural design foundations and enhance their understanding of working drawings, construction techniques, and codes regulating building design. They learn the design process and apply the elements and principles of design to architectural projects. By producing models and illustrations of all aspects of a building, students create architectural design solutions using virtual modeling software.

Engineering Drawing and Design

843605

Credit: 1

Grade: 10 – 12

Prerequisite: Technical Drawing and Design

Students will create 3D models of products, devices, objects, and assemblies. They will learn how things are assembled and how they work by animating the designs they create. Design projects include human-powered vehicles, robots, spaceships, movie props, mechanical devices, amusement park rides, and deep-sea exploration vehicles. Certification tests for Autodesk Inventor and AutoCAD software will be offered to students who complete this course.

Computer Animation & 3D Modeling

845905

Credit: 1

Grade: 10 – 12

Prerequisite: Technical Drawing and Design OR Graphic Design I

This course provides students with opportunities to explore the world of 3D modeling, rendering, and animation. Students will learn about character modeling, camera placement, lighting, textures, and special effects such as those used in movies and games. Background creation and virtual environments will be added to create videos related to science, space, human motion, real-world simulations, disasters, and other visualizations. Rendering and gaming techniques will be used to give students a background in the world of virtual animation. Professional animation software, such as 3D Studio Max, will be used in this class.

Principles of Technology I 981105

Credit: 1

Grade: 10 – 12

Prerequisite: Algebra I or Algebra I Part II

This course applies physics and mathematics concepts using a unified systems approach to explore the foundational principles behind modern technical systems. Students will study seven key technical principles: force, work, rate, resistance, energy, power, and force transformers. The course emphasizes how these principles operate within mechanical, fluid, electrical, and thermal systems commonly found in high-technology equipment. By using a “principles and systems” approach, the course equips students with a strong foundation for further education and adaptable career opportunities as technology evolves. Students who complete both Principles of Technology I and Principles of Technology II can use these courses to fulfill one science credit in addition to earning elective credits.

Principles of Technology II 981205

Credit: 1

Grade: 10 – 12

Prerequisite: Principles of Technology I

Students continue to apply physics and mathematics concepts through a unified systems approach to expand their knowledge base of the principles underlying modern technical systems. This course focuses on seven technical principles: momentum, waves, energy converters, transducers, radiation, optical systems, and time constants, emphasizing how each principle plays a unifying role in the operation of mechanical, fluid, electrical, and thermal systems in high-technology equipment. This “principles and systems” approach to studying these technical principles provides a foundation for further education and career flexibility as technology and technical systems advance. Students who complete Principles of Technology I and Principles of Technology II may use these courses to satisfy one science credit in addition to the elective credits.

Graphic Design I 845805

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course introduces students to the fundamentals of graphic art, design, and technology, focusing on the skills and tools used in the graphics industry. Students will develop computer skills and gain a foundational understanding of various communication methods using modern technology to prepare for careers in this field. The curriculum emphasizes hands-on experience in word processing, digital photography, illustration, image editing, and basic web design. Students will create and maintain a web portfolio showcasing their work throughout the year, which can be expanded in future courses. This course is the first step in a sequence that leads to industry certification with Adobe products.

Graphic Design II 841505

Credit: 1

Grade: 9 – 12

Prerequisite: Graphic Design I

This course is a continuation of Graphic Design 1 and will focus on traditional art, page layout & design, promotional graphics, web design & development. Students will review guideline content from Graphic Design 1 and learn ways to integrate those guidelines into their designs. Greater emphasis will be placed on mathematics, critical thinking, and group activity. We will explore fair use and copyright laws, and digital photography, gain field experience, and discuss public speaking and workplace readiness skills. Students will continue to develop and maintain a web portfolio showcasing their work from the school year, which they may continue to build upon in future classes. At the end of the course, students will be allowed to obtain certification in 1 of 3 Adobe products.

Graphic Design III 849705

Credit: 1

Grade: 10 – 12

Prerequisite: Graphic Design II

This course is a continuation of Graphic Design 2 and will focus on motion graphics, video editing, public speaking, web portfolios, and digital photography. This course will prepare students interested in the Graphic Arts industry for employment, apprenticeship, or post-secondary education. Field experience and opportunities to work with professionals may be offered throughout the term. We will explore multimedia design in the form of animation, film, and film editing in addition to maintaining a website. Students will be challenged to write, storyboard, and produce short films demonstrating learned techniques. Adobe software certification will be offered at the end of the course. *Offered only at FHS*

Graphic Design IV 866305

Credit: 1

Grade: 11 – 12

Prerequisite: Graphic Design III

This course will explore UX/UI design (app design), team building, promotional design, and branding. Students will review concepts from Graphic Design 1, 2, and 3 as well as learn ways to integrate them into their designs. Students may have an opportunity to work remotely with a local graphic design business as well as gain vital experience in that field. There will be greater emphasis on photography, page layout & design, public speaking, and motion graphics. Students will create and upload work to a web portfolio to be maintained throughout the term and used in a mock interview by the end of the term.

Offered only at FHS



Drafting I **853005**

Credit: 1

Grade: 10 – 12

Prerequisite: Technical Drawing & Design

Students explore drafting careers and are introduced to the theory and the manipulative skills necessary to produce and complete accurate drawings based on the ideas and sketches of engineers, architects, and designers. Students focus on performing mechanical drafting and design operations using CADD and 3D printing.

Drafting II **853115**

Credit: 1

Grade: 10 – 12

Prerequisite: Drafting I

Students will master the theory and manipulative skills necessary to produce complete and accurate drawings, renderings, models, and prototypes of projects using industry-standard drafting and design tools. This is the second of two courses to prepare students to obtain professional drafting certification. Completers of the series will be able to take the professional industry certification test of the software used in the course.

Trade and Industrial Education



All Trade and Industrial Education courses will count toward meeting the one-credit graduation requirement for Fine Arts or Career and Technical Education.

SkillsUSA is a co-curricular organization for Trade and Industrial Education students. This co-curricular club provides students the opportunity to apply the skills and knowledge they have acquired in various district, state, and national competitions.

Trade and Industrial Education Completer Sequence

Option 1

Two of the following:

- Automotive Technology I
- Automotive Technology II
- Automotive Technology III

Option 2

Two of the following:

- Auto Body Technology I
- Auto Body Technology II
- Auto Body Technology III

Option 3

Both of the following:

- Electricity I
- Electricity II

Option 4

Two of the following:

- Cosmetology I
- Cosmetology II
- Cosmetology III

Option 5

Two of the following:

- Carpentry I
- Carpentry II

Credentialing Tests Offered in Trade and Industrial

- Workplace Readiness Skills for the Commonwealth
- Automotive Technician (ASE)
- Collision Repair & Refinishing Technician (ASE)
- I-CAR Certifications Examinations
- Electrical Level One (NCCER)
- Cosmetology (NOCTI)
- Virginia Cosmetology License
- Fire Fighter I
- Fire Fighter II



Automotive Servicing Online

861098

Credit: 1

Grade: 9 – 12

Prerequisite: None

This entry-level online course introduces the fundamentals of automotive technology, focusing on vehicle systems and subsystems for maintenance and light repair. Students apply math, science, communication, and workplace readiness skills through virtual simulations to build automotive competencies.

Automotive Technology I

850610

Credit: 1

Grade: 10 – 12

Prerequisite: None

Students are introduced to the systems and components of the automobile. In addition, this course includes the study of shop safety, procedures, tools, equipment, steering, suspension, brakes, electrical/electronics, emissions systems, and the certification requirements for ASE. This course is a prerequisite for Automotive Technology II. *Offered only at FHS*

Automotive Technology II

850720

Credit: 2

Grade: 10 – 12

Prerequisite: Grade C or better in Automotive Technology I.

In this double-block course, students prepare for entry-level positions in the automotive field. The curriculum focuses primarily on electrical and electronics, drivability, and emissions systems. Through participation in classroom and lab activities, students will develop and master the knowledge and skills required to repair automotive systems. *Offered only at FHS*

Automotive Technology III Part I

850831

Automotive Technology III Part II

850832

Credit: 2 each

Grade: 10 – 12

Prerequisite: Automotive Technology II with a grade of C or better recommended.

In this two-part, double-block course, students combine classroom theory with hands-on techniques. Students prepare for entry-level positions in the automotive field. Instruction focuses on brakes, steering, electrical systems, drivability, and emissions. Through participation in classroom and lab activities, students develop and master their knowledge and skills in repairing automotive systems. This hands-on class with live work prepares students to take ASE tests in four areas. Students are encouraged to participate in SkillsUSA and FORD AAA skills competitions. *Offered only at FHS*



Auto Body Technology I 867610

Credit: 1

Grade: 10 – 12

Prerequisite: None

Auto Body Technology I is a single-block class in which students will begin an I-CAR training program. Most leading vehicle manufacturers recognize the I-CAR training programs. In this introductory class, students will receive training in the following areas: collision safety, pollution prevention, hazardous materials, personal safety, refinish safety, customer relations, MIG welding, trim and hardware, plastic repair, restraints, straightening steel, exterior panel repair, and painting basics. This course is a prerequisite for Auto Body Technology II and III. *Offered only at FHS*

Auto Body Technology II 867720

Credit: 2

Grade: 10 – 12

Prerequisite: Auto Body Technology I with a grade of C or better recommended.

Auto Body Technology II is a double-block class. In this class, students will continue with I-CAR training and prepare for ASE or I-CAR tests. Students will receive training in the following areas: Painting and Refinishing, Mig Welding, and Dent Repair. After completing these modules students will practice all competencies in the lab environment. *Offered only at FHS*

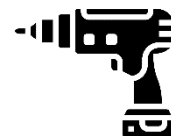
Auto Body Technology III 867831

Credit: 2

Grade: 10 – 12

Prerequisite: Auto Body Technology I and Auto Body Technology II with a grade of C or better recommended.

In this double-block course, students combine classroom theory with hands-on techniques. Auto Body Technology III students will complete I-CAR training by taking the following programs: brakes, lighting, starting and charging systems, and air conditioning. After finishing these programs and passing the associated tests with a score of 86 or better, students will be eligible to receive their Platinum Certificate. Through participation in classroom and lab activities, students develop and master their knowledge and skills. *Offered only at FHS*



Carpentry I 860105

Credit: 1

Grade: 9 – 12

Prerequisite: None

Carpentry I is foundational for achieving high-level construction industry skills that can result in an exciting and lucrative career. With an emphasis on safety, students are taught to use hand and power tools, cut stock, apply construction mathematics, interpret blueprints, and understand basic rigging. Students will become proficient in identifying types of residential construction components to frame walls, floors, ceilings, roofs, doors, and windows. All students will obtain the required Construction Industry OSHA 10 safety credential. *Offered only at FHS*

Carpentry II 860205

Credit: 2

Grade: 10 – 12

Prerequisite: Carpentry I

Carpentry II prepares students for a successful transition into post-secondary education for careers in carpentry and related fields, such as construction management, architecture, and others. Students are taught the safe use of hand and power tools common to the industry to complement their Construction Industry OSHA 10 safety credential earned in Carpentry I. Students will become proficient in assembling and installing various types of residential construction components according to industry standards, including forming foundations, framing floors, walls, ceilings, roofs, trusses, roofing materials, stairs, and exterior doors and windows. *Offered only at FHS*



Electricity I **853305**

Credit: 1

Grade: 10 – 12

Prerequisite: None

Students develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory; navigate the National Electrical Code Book; select and install conductors; and work with panel boards, switchboards, and generators. Students will take OSHA 10 for certification in this class. *Offered only at FHS*

Electricity II **853405**

Credit: 2

Grade: 10 – 12

Prerequisite: Electricity I

Students continue to develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory and mathematical problems related to electricity, navigate the National Electrical Code Book; select and install conductors; examine lighting, communication, and power systems; and work with conduit and raceways, panel boards, switchboards, grounding systems, and generators. *Offered only at FHS*

Electricity III **853405**

Credit: 2

Grade: 11 – 12

Prerequisite: Electricity II

Through hands-on experiences, students continue building skills in the installation, operation, maintenance, and repair of electrical systems, with an emphasis on industrial applications. They also study lighting fixtures, overcurrent protection, service equipment, motor controls, transformers, grounding, and the National Electrical Code (NEC) Book. *Offered only at FHS*



Cosmetology I **852705**

Credit: 1

Grade: 10 – 12

Prerequisite: None

In this single-block course, students will combine classroom theory with hands-on techniques. The course is designed to expose students to a salon environment and various beginning and intermediate salon services. Students will receive 1.5 hours toward their Virginia State Board hours for each day in this course. Cosmetology students who are seniors will not complete this sequence in one year.

Cosmetology II **852805**

Credit: 2

Grade: 11 – 12

Prerequisite: Grade of C or better in Cosmetology I

Fee: \$50

In this double-block course, students will combine classroom theory with hands-on techniques. The course is designed to expose students to a salon environment and various beginning and intermediate salon services. Students will receive 3 hours toward their Virginia State Board hours for each day in this course. Cosmetology II students who are seniors will not complete this sequence in one year.

Cosmetology III Part I **852905**

Cosmetology III Part II **852915**

Credit: 2 each

Grade: 12

Prerequisite: Grade of C or better in Cosmetology II

Fee: \$50 for each part

In this double-block, year-long course, students will combine classroom theory with hands-on techniques. The course is designed to expose students to a salon environment and various intermediate and advanced salon services. This is a required course for students who are interested in pursuing cosmetology licensure. Students will receive 3 hours toward their Virginia State Board hours for each day in this course. Cosmetology III students are not eligible for the Virginia Cosmetology Boards unless all competencies and requirements are completed.



Fire Fighting

870505

Credit: 2

Grade: 11 – 12

Prerequisite: The student must be 16 years of age by the first day of class and a member of a fire department or rescue squad.

In this course, students will learn how the fire department works in emergencies and gain knowledge to become firefighters by acquiring the necessary skills for extinguishing house, vehicle, and wood fires. Upon completion of this course, students will be eligible to take the Virginia State Firefighter Exam administered by the Department of Fire Programs. ***Note: If a student is not a current member of a fire department or rescue squad, they will be required to join after registering for this course. All students will be transported by FCPS to the Warrenton Rescue Squad. Offered only off-site.***



Criminal Justice I

870205

Credit: 1

Grade: 11 – 12

Prerequisite: None

Students are introduced to law, public safety, corrections, and security practices. Students examine contemporary issues in the criminal justice system and explore crime scene investigation, criminal investigation, court procedures, policing, and juvenile justice. This course provides a foundation for careers as lawyers, forensics specialists, emergency communications professionals, and law enforcement and corrections officers. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to student's career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

This pilot course is only offered at KRHS.

Military Science



All Military Science courses will count toward meeting the one-credit graduation requirement for Fine Arts or Career and Technical Education.

The Army Junior ROTC program is an academic course for grades 9 – 12 in non-military secondary schools. Major subject areas in the curriculum are leadership, citizenship, communication, history, and life management skills (physical fitness, first aid, self-esteem, health, drug abuse prevention, career opportunities, etc.). Other subjects include map reading, technology, command and staff functions, and the role of the U.S. Army in the nation's defense.

Military Science Completer Sequence

Option 1

Two of the following:

- Army JROTC I
- Army JROTC II
- Army JROTC III
- Army JROTC IV
- Army JROTC V
- Army JROTC VI
- Army JROTC VII
- Army JROTC VIII

Credentialing Tests Offered to Completers in Military Science

- Armed Services Vocational Aptitude Battery Exam
- Workplace Readiness Skills for the Commonwealth

Military Science I (AJROTC) 791305

Credit: 1

Grade: 9 – 12

Prerequisite: None

Students are introduced to the JROTC curriculum, and basic U.S. citizenship rights and responsibilities are established and reinforced. Students learn about leadership, history, communication techniques, disciplined study habits, management skills, first aid, drug abuse prevention, map reading, physical fitness, and workplace readiness skills. Military customs and courtesies, proper uniform wear, and personal appearance guidelines are followed within the leadership lab, drill, and military ceremonies. ***Offered only at LHS***

Military Science II (AJROTC) 791605

Credit: 1

Grade: 9 – 12

Prerequisite: Military Science I

Students continue with the JROTC curriculum, and basic U.S. citizenship rights and responsibilities are established and reinforced. Students learn to function as leaders at the squad level, as well as history, communication techniques, disciplined study habits, management skills, first aid, drug abuse prevention, map reading, physical fitness, and workplace readiness skills. Military customs and courtesies, proper uniform wear, and personal appearance guidelines are followed within the leadership lab, drill, and military ceremonies. ***Offered only at LHS***

Military Science III (AJROTC) 791805

Credit: 1

Grade: 10 – 12

Prerequisite: Military Science II

Students continue with the JROTC curriculum, and basic U.S. citizenship rights and responsibilities are established and reinforced. Students learn to function as leaders at the squad level, with an emphasis on history, communication techniques, disciplined study habits, management skills, first aid, drug abuse prevention, map reading, physical fitness, and workplace readiness skills. Cadets will become familiar with staff and command functions and duties. Selected individuals will assume the roles of Assistant Staff Officers. Military customs and courtesies, proper uniform wear, and personal appearance guidelines are followed within the leadership lab, drill, and military ceremonies. ***Offered only at LHS***

Military Science IV (AJROTC) 791905

Credit: 1

Grade: 10 – 12

Prerequisite: Military Science III

Students continue with the JROTC curriculum, and basic U.S. citizenship rights and responsibilities are established and reinforced. Students learn to function as leaders at the platoon level and assume the roles of Platoon Leader and Platoon Sergeant. Additionally, history, communication techniques, disciplined study habits, management skills, first aid, drug abuse prevention, map reading, physical fitness, and workplace readiness skills are emphasized. Military customs and courtesies, proper uniform wear, and personal appearance guidelines are followed within leadership labs, drills, and military ceremonies. Cadets can rise to the roles of principal staff officers on the battalion staff. ***Offered only at LHS***

Military Science V (AJROTC) 792005

Credit: 1

Grade: 11 – 12

Prerequisite: Military Science IV

Cadets continue to develop leadership techniques with an emphasis on assuming command and staff functions, as well as assuming those duties. Character, leadership development and theory, leadership application, foundations of success, wellness, and first aid are also included. Academic areas of geography, earth science, citizenship, and American history are emphasized and reinforced. Service-learning projects and community involvement are also covered at this level.

Offered only at LHS**Military Science VI (AJROTC) 792205**

Credit: 1

Grade: 11 – 12

Prerequisite: Military Science V

Cadets continue to develop leadership techniques with an emphasis on assuming command and staff functions, as well as assuming those duties. Character, leadership development and theory, leadership application, foundations of success, wellness, and first aid are also included. Academic areas of geography, earth science, citizenship, and American history are emphasized and reinforced. Service-learning projects and community involvement are also covered at this level.

Offered only at LHS**Military Science VII (AJROTC) 792405**

Credit: 1

Grade: 11 – 12

Prerequisite: Military Science VI

Cadets experience the culmination of their JROTC experience by applying leadership theories and communication skills at the command and staff level in cadet-led classes. Cadets function as Company Commanders, Principal Staff Officers, and Battalion Commander. Foundations of success, wellness, and first aid are addressed Academic areas of geography, earth science, citizenship, and American History are emphasized and reinforced. Service-learning projects are implemented and community involvement is stressed with emphasis on group dynamics, human relations, and U.S. issues. ***Offered only at LHS***

Military Science VIII (AJROTC) 792605

Credit: 1

Grade: 11 – 12

Prerequisite: Military Science VII

Cadets experience the culmination of their JROTC experience by applying leadership theories and communication skills at the command and staff level in cadet-led classes. Cadets function as Company

Commanders, Principal Staff Officers, Battalion Executive Officers, Command Sergeant Majors, and Battalion Commanders. Foundations of success, wellness, and first aid are addressed Academic areas of geography, earth science, citizenship, and American History are emphasized and reinforced. Service-learning projects are implemented and community involvement is stressed with emphasis on group dynamics, human relations, and U.S. issues.

Offered only at LHS

English



Graduation Requirements

All students enrolled in English 11 will participate in the required English End-of-Course (EOC) Writing and Reading SOL tests to earn 2 verified credits in English.

Course Sequencing in English

Students are required to take their English courses in the following order: English 9, English 10, English 11, and English 12. Course prerequisites should be reviewed for specific details. Students are strongly recommended to take only one required English course per year. However, if a student needs to repeat a required English course, they may take two English classes in the same academic year, though not in the same semester except for seniors, who may do so to meet graduation requirements.

English 9

113005

Credit: 1

Grade: 9

Prerequisite: None

The ninth-grade student will use multimodal tools to create presentations independently and in small groups. The student will continue to work in collaborative groups assisting with setting rules and working toward consensus. Students will analyze and interpret the social, commercial, and/or political motives behind media messages. The student will continue to expand vocabulary using the structural analysis of roots and affixes to understand complex words. The course continues to emphasize reading comprehension by comparing fiction and nonfiction texts. With fiction texts, students will apply knowledge of literary terms and analyze a variety of genres. There will be an increased emphasis on nonfiction reading, and students will make inferences and draw conclusions using explicit and implied textual evidence. They will plan, draft, revise, and edit while writing in a variety of forms and for a variety of audiences. There is an emphasis on analysis and persuasion while defending a position using counterclaims, reasons, and evidence from credible sources. Students will demonstrate correct use of language, spelling, and mechanics by applying grammatical conventions in writing and speaking. They will apply research techniques and create a product to analyze information gathered from diverse sources, identify misconceptions and biases, and cite both quoted and paraphrased information using either MLA or APA style.

English 9 Honors

113017

Credit: 1

Grade: 9

Prerequisite: None

This course is designed for students recommended for Gateways services and others aiming to excel academically. English 9 Honors offers a rigorous curriculum focused on enhancing comprehension of increasingly complex fiction and nonfiction texts. Students will engage in analytical writing and creative, multimodal projects to extend their understanding. The course emphasizes critical thinking and the synthesis of ideas from multiple texts, requiring the citation of both quoted and paraphrased information in MLA or APA style. Vocabulary development includes the strategic use of word choice to convey nuanced tones and purposes. Students will learn pre-advanced Placement strategies to analyze and interpret literary and rhetorical devices and to support their arguments with counterclaims, reasons, and evidence from credible sources. The course also explores persuasive techniques in media messages. Significant attention is given to developing oral and written communication skills, with a focus on ethical and legal guidelines for information gathering and usage. Success in this challenging course is closely tied to students' sense of responsibility and academic dedication.

English 10

114005

Credit: 1

Grade: 10

Prerequisite: English 9

The tenth-grade student will continue to become a skilled communicator, working both independently and collaboratively to present viewpoints, work toward common goals, and create multimodal presentations. The student will create media messages and analyze the cause-and-effect relationships between mass media coverage and public opinion trends. The student will continue the development of vocabulary with attention to connotations, idioms, classical allusions, and figurative language. The course continues to emphasize reading comprehension by comparing fiction and nonfiction texts. Students will analyze the cultural and social functions, as well as the universal themes, of fictional texts from different cultures. Students will analyze and synthesize information from nonfiction texts to solve problems, answer questions, and generate new knowledge. They will plan, draft, revise, and edit while writing in a variety of forms and for a variety of audiences with an emphasis on analysis and persuasion. They will learn how to write persuasively through thoughtful analysis of the relationships among claims, reasons, and evidence from reliable sources. Students will expand their knowledge of grammar as they prepare presentations, write, and edit material, applying conventions of language. They will apply research techniques and create a product to analyze information gathered from diverse sources, identify misconceptions and biases, and cite both quoted and paraphrased information using either MLA or APA style.

English 10 Environment in Literature 114055

Credit: 1

Grade: 10

Prerequisite: English 9

Environment in Literature is a cross-curricular course designed for tenth-grade students interested in environmental studies. In addition to covering the standard English 10 curriculum, students will explore multiple genres of contemporary nature writing and environmental literature. Topics will include but are not limited to, the role of literature in shaping our perceptions and conceptualizations of nature, the earth as both a literary setting and a relationship between landscape and narrative, and the intersection of literature and environmental issues. This course can be taken in place of the standard English 10 course to fulfill graduation requirements. It is also a required course for students pursuing Environmental Studies. *Offered only at FHS*

English 10 Honors 114017

Credit: 1

Grade: 10

Prerequisite: English 9 or English 9 Honors

English 10 Honors is recommended for students in Gateways services and those seeking advanced academic experience. This intellectually rigorous course requires comprehension of complex fiction and nonfiction texts, along with analytical writing and creative multimodal projects. Emphasis is on critical thinking, synthesis of ideas from multiple texts, and proper citation using MLA or APA style. Vocabulary development focuses on advanced word choice for tone and purpose. Students will learn pre-AP strategies to analyze literary and rhetorical devices and support their positions with counterclaims and credible evidence. Rhetorical study will highlight persuasive techniques in media. Oral and written communication skills, including ethical guidelines for information use, are emphasized. Success in this course relies on each student's responsibility and commitment to academic excellence.

English 11 115005Credit: 1 **SOL**

Grade: 11

Prerequisite: English 10

In English 11, students enhance their communication skills independently and in collaborative groups, sharing viewpoints and working toward common goals. They will create persuasive multimodal presentations and analyze media messages to understand cause-and-effect relationships between mass media and public opinion trends. Vocabulary development will emphasize connotations, idioms, classical allusions, and figurative language. The course focuses on reading comprehension of fiction and nonfiction texts, conducting comparative analyses to explore how different authors reach similar or contrasting conclusions. Students will examine works by American authors, highlighting diverse cultural

contributions and themes that reflect American history and culture. They will apply the writing process to create coherent compositions emphasizing persuasion and argumentation for various purposes and audiences, demonstrating advanced grammatical knowledge. The course culminates in a research project synthesizing information from primary and secondary sources while adhering to ethical and legal guidelines.

English 11 Language. and Comp. AP 119628Credit: 1 **SOL, AP, DE** (ENG 111 & 112)

Grade: 11

Prerequisite: English 10 or English 10 Honors

English 11 AP is designed for students interested in engaging with college-level content, with a strong emphasis on language, rhetoric, and expository writing. The curriculum is built around critical reading and writing, focusing on the nuances of language, stylistic distinctions, and audience awareness. Classwork includes extensive reading assignments that encourage deep engagement with the texts, as well as writing assignments that reflect a comprehensive writing process involving planning, prewriting, composition, and revision. The course primarily emphasizes the analysis of nonfiction readings, enabling students to develop their analytical and critical thinking skills. Students may be required to complete pre-course assignments to prepare for the curriculum. Additionally, there is an option for students to earn dual enrollment (DE) credit for this course.

English 12 116005

Credit: 1

Grade: 12

Prerequisite: English 11

In English 12, students further develop collaboration skills within diverse teams to achieve common goals. They will create persuasive and argumentative multimodal presentations, produce media messages, and analyze the relationships between mass media and public opinion. Vocabulary development focuses on connotations, idioms, classical allusions, and figurative language. The course emphasizes reading comprehension of fiction and nonfiction texts, enabling students to evaluate resources for decision-making. Students will examine literary works from various cultures, including British literature, and analyze how authors convey meaning and connect themes across texts. Comparative analyses will help students understand differing author perspectives. Additionally, students will write at a level suitable for the workplace and postsecondary education. The course culminates in a research project synthesizing primary and secondary sources, adhering to ethical guidelines for information use.

English 12 Literature and Comp. AP **119518**

Credit: 1 **AP, DE** (ENG 211 & 215)

Grade: 12

Prerequisite: English 11 or English 11 AP/DE (for DE credit)

English 12 AP is designed to provide high school students with a collegiate experience in English. This course presents a unique academic challenge and emphasizes independent learning. Students will engage in the reading and analysis of poems, plays, several novels, and essays within a student-centered environment that fosters commitment and responsibility. Throughout the course, students will work both independently and collaboratively to compose prepared papers, journals, impromptu writings, and extensive projects. To prepare for the curriculum, students may be required to complete pre-course assignments. *Students have the option of earning dual enrollment (DE) credit for this course if they dual enrolled in English 11: Language and Composition AP or if a waiver is sought and granted by Richard Bland College.*

English Electives



AP Seminar **221108**

Credit: 1

Grade: 10 – 11

Prerequisite: English 9

AP Seminar is a College Board-approved course that allows students to explore real-world issues through research-based investigations. Students will engage in team projects and develop individual in-depth research skills. The course emphasizes collaborative teamwork, communication, and the ability to conduct and present thorough research. Students who complete the AP Seminar and the subsequent AP Research course, along with three additional AP exams, are eligible to receive the AP Capstone Diploma. For students in the Fauquier Environmental Studies Academy (FESA), AP Seminar can be used to help fulfill the research requirement for earning the FESA Honor Medal or FESA Merit Medal, provided they also complete AP Research and present their findings in a formal, juried setting.

AP Research **011058**

Credit: 1

Grade: 11 – 12

Prerequisite: AP Seminar

AP Research provides students with the opportunity to explore an academic topic, problem, or issue of personal interest in greater depth. In both classroom settings and through independent study—potentially in consultation with expert advisors—students will learn and apply

various research and inquiry methods to develop, manage, and conduct a thorough investigation of their chosen area. Throughout the year, students will design, plan, and execute a comprehensive investigation to address a specific research question. The course culminates in the completion of an academic paper of 4,000 to 5,000 words, along with a presentation that includes an oral defense of their findings. Additionally, students will reflect on their skill development, document their research processes, and curate artifacts of their scholarly work in a process and reflection portfolio.

Creative Writing I **117105**

Credit: 1

Grade: 9 – 12

Prerequisite: Grade of A or B in previous English class.

Creative Writing I is designed for serious students interested in writing poetry and prose. The course emphasizes the exploration of various writing forms, including children's literature, personal narratives, and observational writing. Many assignments will be completed outside of class, allowing students to develop their unique voices and styles. Students are encouraged to submit their work to essay contests and publications to gain experience and exposure.

Creative Writing II **117205**

Credit: 1

Grade: 10 – 12

Prerequisite: Creative Writing I, and a grade of A or B in previous English class.

Creative Writing II is a continuation of Creative Writing I, designed to further support dedicated students interested in writing poetry and prose. This course emphasizes authorship and the craft of writing, utilizing methods such as writing workshops to enhance students' skills. Students will complete many assignments outside of class and are expected to engage in the publication process, which may include contributions to the school's literary magazine. This course provides an opportunity for students to refine their writing techniques and explore more advanced concepts in creative expression.

English SOL Preparation **117703**

Credit: 1

Grade: 11 – 12

Prerequisite: None

This academic support course assists students in organizing, developing, and editing well-structured compositions while reading strategically for various purposes. Instruction focuses on enhancing narrative and expository writing skills, as well as reading technical, nonfiction, and fiction texts. Students will study sentence formation, usage, and mechanics to improve writing proficiency. They will also familiarize themselves with the evaluation rubric for the English End-of-Course (EOC) Writing SOL test and the reporting categories for the EOC Reading SOL test.

Film Study 144605

Credit: 1

Grade: 10 – 12 (9th-grade students may be admitted with parent or teacher approval).

Prerequisite: None

Film Study explores cinema as an art form, with topics including the history of film, comparisons between film, theater, and literature, and criteria for evaluating films. Students will also examine the technology, terminology, and historical contexts of film. The course includes extensive reading, writing, research, and discussion, allowing students to critically engage with films and understand their cultural and artistic significance.

Individualized Reading I 118103

Credit: 1

Grade: 9 – 12

Prerequisite: None

Individualized Reading I is an academic support class designed to help students become more effective readers by developing cross-disciplinary reading and study skills. The course focuses on improving students' academic success through whole-group and small-group instruction, as well as individualized reading portfolios. Students will receive explicit instruction in vocabulary development and comprehension strategies that promote deeper engagement with both fiction and nonfiction texts. The course is tailored to each student's individual needs, goals, and interests to enhance reading fluency and comprehension.

Individualized Reading II 118203

Credit: 1

Grade: 9 – 12

Prerequisite: Individualized Reading I

Individualized Reading II is a continuation of Individualized Reading I, designed to further support students in becoming more effective readers. The course focuses on developing cross-disciplinary reading and study skills to improve overall academic success. Through whole-group and small-group instruction, as well as individually designed reading portfolios, students will receive explicit lessons on vocabulary development and comprehension strategies that encourage active engagement with both fiction and nonfiction texts. The course is tailored to meet each student's individual needs, goals, and interests to enhance reading fluency and comprehension.

Journalism I 120005

Credit: 1

Grade: 9 – 12

Prerequisite: Grade C or better in previous English course

Journalism I provides an overview of the field of journalism, including the role of the press and the laws and ethics that govern it. The course covers every phase of reporting and writing the news, including identifying sources, conducting successful interviews, writing and

organizing news stories, and understanding the fundamentals of broadcasting. Students will also explore topics such as sports reporting, editorials, features, and columns. Writing for the school newspaper or news website may be required, and students should be prepared to complete assignments after school.

Journalism II 121005

Credit: 1

Grade: 9 – 12

Prerequisite: Grade C or better in Journalism I

Journalism II is designed for students who wish to refine their skills in feature writing, editorials, sports writing, and broadcasting, as appropriate. In addition to writing for the school newspaper or news website, students will learn the mechanics of newspaper production, including how to sell and design advertisements, as well as how to compose and capture quality photographs. Students should be prepared to complete assignments after school as needed.

Journalism III 121105

Credit: 1

Grade: 10 – 12

Prerequisite: Grade C or better in Journalism II.

Journalism III is designed for students who wish to further refine their writing and, if appropriate, broadcasting skills. Students are required to write an in-depth article and will learn the elements of effective page or webpage design. They will produce pages for the school newspaper using software such as InDesign and collaborate with Journalism IV students to gain insights into the production and various staff positions. Students should be prepared to complete assignments after school as needed.

Journalism IV 121205

Credit: 1

Grade: 10 – 12

Prerequisite: Grade C or better in Journalism III.

Journalism IV is designed for students who wish to obtain a position on the newspaper staff. In this course, students will refine the skills they have previously learned, including writing, editing, page layout, and design. They will work closely with the editors of the school newspaper or news website to ensure the smooth operation of school news publications and broadcasts, as appropriate. Students should be prepared to complete assignments after school as needed.

Media Literacy 106205

Credit: 1

Grade: 10 – 12

Prerequisite: None

In Media Literacy, students will explore the influence of mass media on contemporary American culture. The course emphasizes developing critical thinking skills by teaching students to access, analyze, and evaluate various forms of media. A key focus will be the growing

role of social media in today's culture, with special attention to ethics, internet safety, and privacy rights. Students will engage in extensive writing, independent reading, research projects, and the creation of multimedia productions

Mythology **116505**

Credit: 1

Grade: 10 – 12

Prerequisite: None

In this course, students will explore the definition and functions of classical mythology, comparing and contrasting elements from various mythological traditions. Students will also study the influence of mythology on a range of art forms, including poetry, fiction, drama, and visual arts. Coursework includes extensive reading, writing, research, discussions, and the creation of hands-on projects.

Photojournalism I **121505**

Credit: 1

Grade: 9 – 12

Prerequisite: Grade C or better in previous English course.

This course prepares students to design and produce a high-quality yearbook. Students will receive training in desktop publishing, writing, photojournalism, marketing, design, and public relations. Staff members work both independently and collaboratively to create the school yearbook. Given the extensive amount of work involved, students must be available to stay after school on several occasions throughout the term. Specific after-school requirements will be set by the instructor. Students should be comfortable conducting interviews and working independently.

Photojournalism II **121605**

Credit: 1

Grade: 9 – 12

Prerequisite: Grade C or better in Photojournalism I.

This course builds on the skills developed in Photojournalism I, with a focus on extensive writing, editing, page design, marketing, and photography. Students will serve as yearbook staff members, working cooperatively to create the school yearbook. Given the significant workload, students must be available to stay after school on multiple occasions throughout the term. Specific after-school requirements will be set by the instructor. Students should be capable of working independently and managing their responsibilities.

Photojournalism III **121705**

Credit: 1

Grade: 10 – 12

Prerequisite: Grade C or better in Photojournalism II

Students in this course may be selected to serve as section editors for the school yearbook. Section editors are responsible for overseeing extensive writing, proofreading, page design, photography, and marketing

within their assigned sections. In addition to these duties, editors are required to lead and organize section meetings and assist in training staff members. Editors must also be available to stay after school as needed to meet deadlines and ensure the production process runs smoothly.

Photojournalism IV **122005**

Credit: 1

Grade: 10 – 12

Prerequisite: Grade C or better in Photojournalism III.

Students enrolled in this course may be selected to as section editors for the school yearbook. Their duties include writing, proofreading, page design, photography, marketing, and theme development. Section editors will lead and organize staff meetings and assist with training new staff members. They must also be available to stay after school to meet deadlines as required. Additionally, students may be asked to attend local or national workshops, as well as yearbook-related meetings.

Public Speaking **130005**

Credit: 1

Grade: 10 – 12

Prerequisite: None

This course provides students with the opportunity to write and deliver various types of speeches, oral readings, and debates. Instruction covers a range of oral communication topics, such as persuasive speaking and oral interpretation of literature. Emphasis is placed on effective speech writing, debate preparation, and delivering presentations with confidence and clarity. Students will complete multiple prepared speeches and debates, with at least one presented to an audience outside of the class.

SAT Critical Reading./Writing./Math Prep **012905**

Credit: 1

Grade: 11 – 12

Prerequisite: English 9 & 10, Algebra I, Algebra II, Geometry.

This course is designed for motivated students aiming to improve their college entrance exam scores. The verbal portion focuses on vocabulary development and intensive practice with multiple-choice questions, critical reading, and writing. Students work on evidence-based reading and writing skills, including command of evidence, words in context, analysis in history/social studies and science, expression of ideas, and standard English conventions. The math portion covers essential concepts from Algebra I, Algebra II, and Geometry. Students will take several practice SAT exams and explore the college application process. A materials fee will be charged. ***Offered only at FHS & LHS***

English as a Second Language



The courses listed in this section are available specifically for students who have been identified as English Learners (EL). They are provided access to general content areas and that. English as a Second Language (ESL) courses are offered to any student needing assistance in developing English language proficiency. The courses are designed to support content instruction through comprehensible language input and to assist ELs in achieving content standards in preparation for end-of-year SOL tests while meeting the linguistic needs of ELs.

In addition to the courses listed below, support may also be provided in the general education classroom. “In-classroom” assistance will be available as needed, as determined by the Counseling Department and ESL staff at each high school.

Native or Heritage Speakers

A student who is a native or heritage speaker of a language other than English may earn up to two world language credits by demonstrating a minimum proficiency level of novice high in all four language domains, as determined by a proficiency assessment administered by the school division. Following this assessment, the student may be placed in a Level II, Level III, or fluent speaker’s language course to complete the series of three world language credits required for the Advanced Studies and Advanced Technical Diplomas.

ESL Content Support in English **571003**

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course is designed to support ESL students enrolled in English 9 or English 10. Special focus is given to understanding the vocabulary within context-embedded material. Emphasis is placed on developing oral, reading, and written communication skills.

ESL Content Support in Social Studies **573003**

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course is designed to support ESL students in World History and Geography to 1500, World History and Geography 1500 to Present, Virginia and United States History and Government. Special focus is given to

understanding vocabulary within context-embedded material. This course should be taken before or along with other Social Studies courses to prepare for the End-Of-Course test or course performance assessments.

ESL Resources **573013**

Credit: 1

Grade: 9 – 12

Prerequisite: None

In this course, emphasis is placed on developing English proficiency through various content-related materials that focus on listening, speaking, reading, and writing. This course can be tailored to student language level and content support needs.

ESL Content Support in Mathematics **573103**

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course is designed to reinforce general numeric topics, such as whole numbers, fractions, decimals, and percentages, as well as basic geometric concepts, such as perimeter and area. This class is prescriptive, emphasizing hands-on learning. Instruction is scaffolded to make content accessible to English language learners. Class size is limited. Students in this course who have not passed the Grade 8 Mathematics SOL assessment will take this test at the end of the course.

ESL Reading **572003**

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course is designed to help English learners become more effective readers of English. Emphasis is placed on comprehension, vocabulary development, pronunciation, and phonic skills. Students develop oral and silent reading skills. Instruction in this course is differentiated to meet the needs of students at all language levels.

Fine Arts



All art courses will count toward meeting the one-credit Fine Arts or Career and Technical Education graduation requirement.

Art I 912005

Credit: 1

Grade: 9 – 12

Prerequisite: None

Art I is offered to students who have not previously taken art at the high school level. The course emphasizes art appreciation, history, and written and verbal critiques, focusing on the elements and principles of art and design. Students will explore various mediums, including design, drawing, painting, printmaking, and three-dimensional activities. A sketchbook is required and will be maintained by students for both in-class and out-of-class use. Students are also required to maintain a portfolio. Student work may be displayed at the discretion of the art teacher. This class is a foundation and a prerequisite for all visual arts courses.

Art II 913005

Credit: 1

Grade: 10 – 12

Prerequisite: With a grade of C or above in Art I

This course is for students interested in pursuing further advancement in art. Students refine the critical thinking and artistic skills developed in Art I and explore various media in-depth. Students continue to develop their skills in figure drawing, perspective, commercial design, printmaking, mixed media, and three-dimensional activities. They will also deepen their investigation of artists, art styles, and art criticism. Students are required to maintain a sketchbook and portfolio in preparation for advanced art classes. Their work may be displayed at the teacher's discretion.

Art III (2-Dimensional Design) 914005

Credit: 1

Grade: 10 – 12

Prerequisite: With a grade of C or above in Art II

This studio course is designed for the dedicated art student. Students work with advanced techniques in painting, drawing, printmaking, and commercial design. The study of artists and art periods is incorporated into assignments. Students are required to maintain a sketchbook and an extensive portfolio. Their work will be exhibited throughout the term.

Art III (3-Dimensional Design) 914035

Credit: 1

Grade: 10 – 12

Prerequisite: Art II or Functional Art II

This studio course is devoted solely to three-dimensional art forms. Students will work with materials such as clay, plaster, wood, stone, papier-mâché, and metals, using both additive and subtractive methods. Art history and appreciation are incorporated to enrich students' understanding of sculpture and pottery. Students are encouraged to keep a photographic record for their portfolio. A sketchbook is required, and student work will be exhibited throughout the term.

Art IV 914505

Credit: 1

Grade: 10 – 12

Prerequisite: Art III (2-Dimensional Art)

This course is designed for dedicated art students who wish to continue with art or prepare for AP Studio Art. Students are expected to be self-directed and self-motivated in developing a portfolio. They are required to set personal goals as well as work on specific assignments aimed at enhancing traditional skills. Students will collaborate with the teacher to develop an area of concentration for their artwork. Work outside of class may be required. Students will prepare and display their work and maintain a sketchbook. Depending on enrollment, this class could be offered online.

Functional Art I 912035

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course is offered to students who are interested in handicrafts. It focuses on crafts, their history and origins, an understanding of aesthetics, and the use of the elements and principles of design as they relate to functional art. Critique and self-evaluation are a part of each assignment. The focus is on craftsmanship in the areas of fiber arts, ceramics, jewelry/wearable art, glass-beaded projects, applied design, and bookmaking. Students maintain a journal, and their work will be displayed throughout the term. ***Note: A materials fee will apply. This class may not be substituted for Art I.***

Functional Art II 913035

Credit: 1

Grade: 9 – 12

Prerequisite: Functional Art I

Students focus on more advanced processes including fiber arts, ceramics, glass, jewelry, and bookmaking. They will use the elements and principles of design with special emphasis on surface design. Students research specific processes and their origins and history. Students create a journal for self-evaluation, critique, and planning. Their work will be displayed at the teacher's discretion. ***Note: A materials fee will apply. This class may be used as a prerequisite for Art III 3-D.***

Studio Art AP:

AP 2-Dimensional Art & Design **914808**

AP 3-Dimensional Art & Design **914918**

AP Drawing **915008**

Credit: 1 **AP**

Grade: 11 – 12

Prerequisite: Art III, Art IV, or Photography II and portfolio assessment.

These Studio Art AP courses are designed for the highly motivated art student who strives to earn college-level credits. These classes require a portfolio to be submitted to the College Board consisting of 15 images based on the student's chosen sustained investigation and 5 images of selected works. The student's work must demonstrate a self-guided artistic investigation through practice, experimentation, and revision. Students may submit a portfolio in 2D Drawing, 2D Design, or 3D Sculpture. Some work must be completed outside of class, and students will be responsible for a portion of their materials.

Art History AP **915108**

Credit: 1 **AP**

Grade: 11 – 12

Prerequisite: None

The Advanced Placement offering in Art History is designed to provide students with an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students examine and critically analyze major forms of artistic expression from the past and the present, drawing from a variety of cultures. While visual analysis is the fundamental tool of the art historian, Art History AP also emphasizes understanding works in context, considering issues such as patronage, gender, and the functions and effects of works of art. Students will be required to work outside of class. This class may also be offered online.



Photography I **919005**

Credit: 1

Grade: 11 – 12 (Grade 10 with prerequisites)

Prerequisite: No prerequisites for grades 11 & 12.

Grade 10 requires completion of Art I with a grade of C or above and an art teacher recommendation.

Photography I is structured to give each student hands-on experience using a manual SLR camera, developing black-and-white film, and making photographic prints and enlargements in the darkroom. Students learn special darkroom techniques and manipulations. Students will also be introduced to digital SLR and photo manipulation software. Quality photographic composition is emphasized. School cameras are available for classroom use with a signed agreement, but having a personal camera is encouraged. Students will maintain and use a sketchbook as a resource for documentation and research on the course content. A photography portfolio will be established and student work will be exhibited throughout the term. ***Note: A materials fee is due at the start of the term.***

Photography II **919105**

Credit: 1

Grade: 11 – 12

Prerequisite: a grade of C or above in Photography I

Photography II is for students serious about advancing their photography skills. The course deepens knowledge of manual SLR cameras, black-and-white film, and darkroom techniques. Students are encouraged to explore additional processes, such as computer manipulations, to enhance their experience. A sketchbook/journal is maintained, and portfolios are further developed. ***Note: A materials fee is due at the start of the term.***

Photography III **919205**

Credit: 1

Grade: 11 – 12

Prerequisite: A grade of C or above in Photography II

Photography III is designed for students serious about submitting an AP portfolio, attending art school, or pursuing photography as a career. Students build on their SLR camera skills, black-and-white film development, and darkroom techniques, learning advanced camera control and manipulations. The course encourages exploring other processes, including computer-based techniques, to broaden their photographic experience. Students maintain a sketchbook/journal and further develop their portfolios. ***Note: A materials fee is due at the start of the term.***

Music



All Music courses will count toward meeting the one-credit Fine Arts or Career and Technical Education graduation requirement.

Music Theory I **922505**

Credit: 1

Grade: 10 – 12

Prerequisite: None

This course is open to students interested in learning a wide variety of skills necessary to be well-educated musicians—skills that cannot adequately be taught in a music performance class. This course of study includes musical dictation, scales and intervals, music analysis, vocal and instrumental arranging, compositional techniques, and related computer technology

Music Theory II **922535**

Credit: 1

Grade: 11 – 12

Prerequisite: Grade of C or better in Music Theory I.

This course is an extension of Music Theory I. More independent work is expected. Music writing assignments include longer forms and more complex harmonies than in Music Theory I. Students' creativity is encouraged. One major original composition is assigned as a project. These compositions will be performed at a concert at the school, if possible.

Symphonic Choir **928505**

Credit: 1

Grade: 9 – 12

Prerequisite: None

Symphonic Choir is open to all interested students in any grade. A wide variety of choral literature is studied and performed during the term. Students learn basic singing techniques, sight-singing skills, and ensemble skills. Students perform concerts at school, and in the community, and are invited to participate in division-wide events that are held outside of school hours. Practice is necessary to fully develop musical skills and understanding. At least four performances will take place during the school year and all concerts are required. This ensemble may participate in the Virginia State Concert Assessment.

Treble Choir **928015**

Credit: 1

Grade: 9 – 12

Prerequisite: Audition required or recommendation from previous teacher.

Treble Choir provides experiences for students who are proficient in choral singing and who desire to develop their skills to a higher degree. This course also stresses a study of various styles of treble (Soprano/Alto) choral literature and music theory, as well as refined ensemble performance. Students will perform concerts at school, and in the community, and are invited to participate in division-wide events. Practice is necessary to fully develop musical skills and understanding. At least four performances will take place during the school year. Participation in all concerts and the Virginia State Concert Assessment is required.

Mixed Choir **928005**

Credit: 1

Grade: 9 – 12

Prerequisite: Audition required or recommendation from previous teacher.

Mixed Choir provides experiences for students who are proficient in choral singing and who desire to develop their skills to a higher degree. This course stresses a study of various styles of mixed (Soprano, Alto, Tenor, Bass) choral literature and music theory, as well as refined ensemble performance. Students perform concerts at school, and in the community, and are invited to participate in county-wide and district-wide events. Practice is necessary to fully develop musical skills and understanding. At least four performances will take place during the school year. Participation in all concerts and the Virginia State Concert Assessment is required.

String Orchestra **923805**

Credit: 1

Grade: 9 – 12

Prerequisite: Previous experience or recommendation by previous teacher.

String Orchestra is open to string players (violin, viola, cello, and double bass) with three or more years of prior experience or with permission of the instructor. A wide variety of string orchestra literature is studied and performed during the term. Students learn basic to intermediate playing techniques sight-reading skills, and ensemble skills. Students perform concerts at school, and in the community, and are invited to participate in extra-curricular division-wide events. Practice is necessary to fully develop musical skills and understanding. At least four performances will take place during the school year and all concerts are required. This ensemble may participate in the Virginia State Concert Assessment. ***Note: Students are expected to secure their own instruments. If this is not possible, a limited number of FCPS instruments are available and a rental fee is required.***

Chamber Orchestra 923905

Credit: 1

Grade: 9 – 12

Prerequisite: Previous experience or recommendation by previous teacher.

Chamber Orchestra provides experience for students who are proficient in their instruments and who desire to develop their skills to a higher degree. This course stresses a study of various styles of string orchestra literature and music theory, as well as refined ensemble performance. Students perform concerts at school and in the community and participate in county-wide and district-wide events. Students must devote additional time to preparation and technical instruction as there are frequent opportunities for events outside of school hours. Practice is necessary to fully develop musical skills and understanding. At least four performances will take place during the school year. Participation in all concerts and the Virginia State Concert Assessment is required. ***Note: Students are expected to secure their own instruments. If this is not possible, a limited number of FCPS instruments are available and a rental fee is required.***

Concert Band 923205

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course provides an opportunity for high school students who were not able to begin band in the 6th grade to learn to play an instrument. Emphasis is on basic music fundamentals on the student's specified instrument. Practice is necessary to fully develop musical skills and understanding. At least four performances will take place during the school year and all concerts are required. ***Note: Students are expected to secure their own instruments. If this is not possible, a limited number of FCPS instruments are available and a rental fee is required.***

Symphonic Band 923305

Credit: 1

Grade: 9 – 12

Prerequisite: None

Students will study and perform music in the literature of grade levels III and IV. Individual performance on a chosen instrument is stressed. At the end of the course, those students who have made significant progress are encouraged to audition for Wind Ensembles. At least four performances will take place during the school year. Participation in all concerts and the Virginia State Concert Assessment is required. ***Note: Students are expected to secure their own instruments. If this is not possible, a limited number of FCPS instruments are available and a rental fee is required.***

Wind Ensemble 925005

Credit: 1

Grade: 9 – 12

Prerequisite: Audition Required

Wind Ensemble provides experiences for students who are proficient in their instruments and who desire to develop their skills to a higher degree. This course stresses a study of various styles of band literature and music theory, as well as refined ensemble performance. Students perform concerts at school, in the community, and participate in the District Festival/Solo and Ensemble. Students must devote much time and preparation and technical instruction; there will be frequent night rehearsals. Practice is necessary to fully develop musical skills and understanding. At least four performances will take place during the school year. Participation in all concerts and the Virginia State Concert Assessment is required. ***Note: Students are expected to secure their own instruments. If this is not possible, a limited number of FCPS instruments are available and a rental fee is required.***

Guitar Ensemble 924505

Credit: 1

Grade: 9 – 12

Prerequisite: None

Guitar Ensemble is open to all students, regardless of previous experience. Students must provide their own guitars for use at school and home. Instruction covers tuning, right and left-hand positions, 1st position chords (C, G, D, A, am, em), major, minor, and chromatic scales, strumming, 12-bar blues, traditional notation for diatonic melodies, guitar tablature, improvisation, and composition. At least one formal concert is required each semester, with optional performance opportunities. ***Note: A materials fee is required for the instructional book.***

Caribbean Steel Pans Band 924405

Credit: 1

Grade: 9 – 12

Prerequisite: None

The Caribbean Steel Pans Band is open to all students in grades 9–12, regardless of prior musical experience. Students will learn to play the four types of steel pans: Tenor Pans, Double Seconds, Triple Guitar, and Bass Pans. They will also explore the instruments of the "Engine Room." Emphasizing performance, the course teaches proper playing techniques for each instrument, the appropriate styles for various music genres, and the historical significance of steel pan music in Trinidad and Tobago, the Caribbean, and globally. Students will participate in at least two required concerts outside of school hours, with additional performance opportunities throughout the term. There are no fees, and all materials are provided. ***Offered only at FHS***

Theatre



Theatre I: Introduction **141005**

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course covers basic dramatic principles such as theatre history, stage movement, voice projection, and memorization of dialogue. This course requires students to read several works and write frequently about topics and plays discussed in class. Performance is a major aspect of the course. The performance genres extend to dramatic monologues and short ensemble pieces. Students are expected to attend theatrical productions.

Theatre II: Dramatic Literature & Theatre History **142005**

Credit: 1

Grade: 10 – 12

Prerequisite: Theater I

This course includes the study of theatre genres from Ritual after the Renaissance to the present. Topics of study focus on styles of acting and voice and body techniques. Students are expected to attend theatrical productions and participate in theatre on some level. This course requires students to read several works and write frequently about topics and plays discussed in class.

Theatre III: Advanced Theatre Studies **142305**

Credit: 1

Grade: 11 – 12

Prerequisite: Grade of C or better in Theatre II.

This course is designed to assist developing theatre artists in honing their craft. The course assists students who intend to study theatre at the college level. Topics of study include technical theatre, dramaturgy, auditioning, and an introduction to directing.

Theatre IV: Advanced Performing & Directing

142605

Credit: 1

Grade: 11 – 12

Prerequisite: Grade of C or better in Theatre III.

Theatre IV will help students refine concepts learned and skills acquired in Theatre III while reinforcing principles learned in Theatre I and Theatre II. The Theatre IV student will develop an artistic vision and a personal aesthetic through advanced research, performance, and evaluation. Students will benefit from exposure to different types of theatrical techniques and opportunities to direct the performance of others (either in scenes or in full production).

Technical Theatre **143505**

Credit: 1

Grade: 10 – 12

Prerequisite: Theatre I or recommendation from teacher.

Technical Theatre will introduce the first-year technician to the areas of stagecraft and theatrical production. Students will build, paint, climb ladders, lift things, and handle power tools in this class. Students will be introduced to the following topics: theatre safety, stage elements, properties, costumes, make-up, set construction, lights, sound, stage management, tools and equipment, and scenic painting. Students must participate backstage once per term. Analysis of the production experience will be intrinsic to the experience of the course.

History and Social Science



Graduation Requirements

Students earn 4 credits in History and Social Science by completing World History & Geography to 1500, World History & Geography 1500 to Present, VA/U.S. History, and VA/U.S. Government. Students must earn 1 verified credit in History and Social Science by participating in *Performance Assessments*.

Course Sequencing

History and Social Science courses are taken in the following order with no more than two courses taken in one year:

- World History and Geography to 1500 A.D.
- World History and Geography 1500 to Present
- Virginia and United States History
- Virginia and United States Government

World History and Geography to 1500 221505

Credit: 1 *Performance Assessment/SOL*

Grade: 9

Prerequisite: None

This course begins with an introduction to the Paleolithic era, the agricultural revolution, the ancient river valley civilizations, and the cultures of Persia, India, and China. It continues with a study of ancient Greece and Rome, as well as the Byzantine Empire, Russia, and the Islamic civilizations. Also included is a study of the ancient Eastern hemisphere cultures and the Mayan, Aztec, and Incan civilizations. It concludes with a study of the Middle Ages and the Renaissance in Europe.

World History and Geography to 1500 Honors 221517

Credit: 1 *Performance Assessment/SOL*

Grade: 9

Prerequisite: None

This is the first of a two-course sequence designed to prepare students for the AP World History exam. The course covers both the AP curriculum and the Virginia SOLs. It includes a study of the Paleolithic era, the agricultural revolution, the ancient river valley civilizations, and the cultures of Persia, India, and China. It continues with a study of ancient Greece and Rome, as well as the Byzantine Empire, Russia, and the Islamic civilizations. Also included is a study of the ancient Eastern hemisphere cultures, and the Mayan, Aztec, and Incan civilizations. It concludes with a study of the Middle Ages and the Renaissance in Europe.

World History and Geography 1500 to Present 221605

Credit: 1 *Performance Assessment/SOL*

Grade: 10

Prerequisite: World History I

This course begins with a study of the Reformation, the Age of Discovery, and the impact of global trade. It continues the study of science, politics, economics, and religion in 16th, 17th, and 18th century Europe; politics in 19th century Europe, the Industrial Revolution; World War I, World War II, and the Cold War. It concludes with a study of the globalized world in the 21st century.

World History: Modern AP 238008

Credit: 1 *Performance Assessment/SOL*
AP, DE (HIS 112)

Grade: 10

Prerequisite: World History I

AP Modern World History is a rigorous, college-level course designed to give students an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions, and organizations, and technology, and innovation. Special emphasis is given to preparation for the AP Exam, including historical writing through essay and document-based questions as well as objective evaluations. Supplemental readings in addition to the basic text are required, and students may be asked to prepare by completing pre-course assignments. This course meets the requirement for History 112 through Laurel Ridge Community College, a survey of Asian, African, Latin American, and European civilizations from the 13th century to the present. *Note: Students who do pay the dual enrollment tuition charge will not receive college credit from LRCC. AP credit is dictated by college admissions and the College Board.*

Virginia and United States History 236005

Credit: 1 *Performance Assessment/SOL*

Grade: 11

Prerequisite: World History I and World History II

Virginia and U.S. History is a study of the history of the United States from the perspective of political, social, cultural, economic, and geographical growth. The focus is on American character and institutions. The primary role that Virginia plays in the development of the United States is emphasized through the study of important events and people of the Commonwealth.

United States History AP 231918

Credit: 1 *Performance Assessment/SOL*

AP, DE (HIS 121 & 122)

Grade: 11

Prerequisite: World History & Geo. to 1500 and World History and Geo. 1500 to Present.

This dual enrollment course follows a national curriculum developed by the College Board and offers an in-depth study of American History. The course integrates the AP curriculum and the Virginia SOL standards, with a strong focus on active class participation, critical analysis, and interpretation of key events in American history. Supplemental readings, in addition to the core textbook, are required, and students may be asked to complete pre-course assignments to prepare for the class. This course fulfills the requirements for History 121 and History 122 at Laurel Ridge Community College. **Note: Students who do not pay dual enrollment tuition will not receive college credit from Laurel Ridge Community College. AP credit is determined by college admissions policies and the College Board.**

Virginia and United States Government 244005

Credit: 1

Grade: 12

Prerequisite: VA/U.S. History

This course examines the development and functioning of American systems of local, state, and national governments. The course explores democratic principles through the Constitution and other key political documents. Topics covered include historical, contemporary, and future challenges in American politics, such as the responsibilities of citizenship, political and economic theories, the relationship between individuals and government under the rule of law, and the role of Virginia and the United States in the global community. A term paper may be required.

United States Government AP 244518

Credit: 1 **AP, DE** (PLS 135 & 136)

Grade: 12

Prerequisite: VA/U.S. History

This course follows the College Board's national curriculum and offers an in-depth study of the development and functioning of government at the state and federal levels. Assignments are designed to refine writing and analytical skills essential for college-level courses. Supplemental readings, in addition to the core textbook, are required, and students may be asked to complete pre-course assignments to prepare for the class. This course fulfills the requirements for Political Science 135 and Political Science 136 at Laurel Ridge Community College. **Note: Students who do not pay the dual enrollment tuition charge will not receive college credit from LRCC. AP credit is dictated by college admissions and the College Board.**

Economic Honors 6120HSS

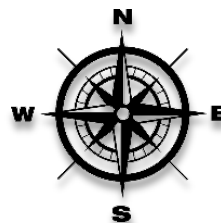
Credit: 1

Grade: 10 – 12

Prerequisite: None

This course addresses basic economics concepts and structures; the role of producers and consumers in a market economy; the price system; the factors that affect income, national economic goals; monetary and fiscal policy; and the role of government in a market economy. Economic concepts are used to interpret the daily news and understand the interdependence of the world's economies. The course emphasizes analyzing real-world situations, economic reasoning, decision-making, and problem-solving. This course is recommended for students who may want to prepare for AP Economics. This course meets the Economics and Personal Finance high school diploma requirement. Students will take the WISE exam. This course also meets virtual requirements for graduation with online course components.

History and Social Science Electives



Comparative Government AP (Virtual Virginia)

245038

Credit: 1 **AP**

Grade: 11 – 12

Prerequisite: None

This course follows a national curriculum developed by the College Board and provides an in-depth study of the political and economic structures of major nations throughout the world. Countries in Europe, Asia, Africa, and the Americas will be compared to help students develop an expanded understanding of how economic and political systems function. Students engage in critical analysis of regional and global issues. The course includes extensive class discussions based on students' research on major events and trends. Two research papers are required. This course may be offered as a Virtual Virginia course. AP credit is dictated by college admissions and the College Board.

Economics AP (Macro) 280308Credit: 1 **AP**

Grade: 11 – 12

Prerequisite: Grade of B in Algebra I

This course follows a national curriculum developed by the College Board. Students develop critical thinking skills through the understanding, application, and analysis of fundamental economic concepts. Students learn to apply quantitative and mathematical skills to the discipline of economics, test economic propositions empirically, improve their decision-making skills, and apply economic logic to a wide variety of real-world and hypothetical situations. It can be used to meet the Economics and Personal Finance diploma requirements, but only when taken in the traditional high school classroom setting. This course also meets virtual course requirements for graduation with online course components. This course may be offered as a virtual course. AP credit is dictated by college admissions and the College Board.

Geospatial Science (GIS) 295007Credit: 1 **DE** (GEOG 161)

Grade: 11 – 12

Prerequisite: Algebra I

This Geospatial Technology Seminar course introduces students to Geographic Information Systems (GIS) and Global Positioning Systems (GPS) technology. Students learn to collect, analyze, and display a variety of data to solve real-life problems. Students are trained in the latest ESRI ArcMap software in a variety of scenarios. Students will take a different approach to learning by becoming involved in a community-based research project that involves spatial reasoning and decision-making. All participants will be required to give a final presentation of their projects to local community leaders, and the faculty of both their school and JMU. This course is dual-enrolled with JMU. The projects will be focused on using geospatial to explore the local problem, thus potentially bringing business and government entities into the project as partners, and giving participants skills in this important technological area.

Human Geography AP 221208Credit: 1 **AP**

Grade: 9 – 12

Prerequisite: None

This course explores the patterns and processes that shape human interaction with the Earth's surface. Students use spatial concepts and landscape analysis to examine social organization and its environmental impact while learning about the methods and tools used by geographers. They will utilize maps and spatial data, interpret associations among phenomena, recognize relationships among patterns and processes, define regions, evaluate regionalization, and analyze changing interconnections among places. This course may also be offered virtually. AP credit is determined by college admissions and the College Board.

Introduction to Psychology 290005

Credit: 1

Grade: 10 – 12

Prerequisite: None

This course focuses on various aspects of behavior and mental processes. It includes an overview of the following areas: the history of psychology, research methods, the biology of behavior, altered states of consciousness, learning, and memory, sensation, and perception, stress and adjustments, personality, and psychological disorders.

Psychology AP 290208Credit: 1 **AP**

Grade: 11 – 12 (Grade 10 with a recommendation from teacher/counselor)

Prerequisite: None

This course follows a national curriculum developed by the College Board. Students study the following areas: research methods, biological bases of behavior, sensation and perception, cognition, motivation and emotion, developmental psychology, social psychology, testing and individual differences, and treatment of psychological disorders. This course requires an understanding of the underlying biological process of many areas of content. Students will need to utilize and apply research to their understanding of psychology. Extensive outside reading and critical essay writing are required. Students may be asked to prepare by completing pre-course assignments.

Senior Capstone 299605

Credit: 1

Grade: 12

Prerequisite: None

The purpose of this course is for seniors to synthesize areas of future study in the light of the local and global community. The course culminates in a Senior Project, an individualized plan that students envision, enact, and reflect, upon during their senior year.

Senior Government Internship 299655

Credit: 1

Grade: 12

Prerequisite: Recommendation from History and Social Science Teacher

The purpose of this course is for seniors to work with local government department heads and agencies as interns, completing assigned projects and agency reviews, and presenting their findings. Interns are required to complete at least 120 hours with a local business, government agency, or community organization. Intern projects will include examination and evaluation of effective leadership styles, agency operation, and agency performance.

Sociology **250005**

Credit: 1

Grade: 11 – 12

Prerequisite: None

This course introduces basic concepts of sociology and presents relevant theories in areas of socialization, group dynamics, gender roles, deviance, minority relations, and community and social institutions (educational, political, economic, and family). The class provides opportunities for students to gain a better understanding of their society and culture, as well as those different from their own. Through the examination of topics such as delinquency, crime, chemical addiction, and poverty, students will develop the ability to examine social phenomena objectively to discover and seek solutions.

Special Topics in History

- African-American History
- American Civil War
- Women in History

This suite of courses examines a particular topic in history. They are offered on a rotating basis at FCPS high schools based on student interest and teacher expertise and availability. Students will be required to analyze, collaborate, and communicate in a variety of learning contexts to gain a deeper understanding of issues and eras in history. The special topics have traditionally included: African-American History; The American Civil War; and Women in History.

African-American History **243505**

Credit: 1

Grade: 10 – 12

Prerequisite: None

This course will survey African-American history from precolonial Africa through the present. Students will be introduced to key concepts in African-American history from early beginnings in indigenous Africa through the early enslavement period, the Civil War, Emancipation, Reconstruction, the Civil Rights era, and into the present. The course, offered in a variety of learning models, will allow students to explore social events and processes, individuals and agencies, documents and institutions; and analyze past and present positions for future implications for African-Americans. This course does require students to complete a Capstone project. Students will pursue independent research relative to the content of a question or problem of their choice and produce a learning object that reflects a deeper understanding of African-American history. This course is one of three “special topics in history” courses and it may be scheduled alternatively with the other two by term or by year.

American Civil War **299635**

Credit: 1

Grade: 11– 12

Prerequisite: None

This course examines the scope and consequences of the Civil War with emphasis on the four years of actual fighting. Topics include the causes of the war, reasons the North won, military campaigns, the influence of political decisions on military matters, and how the struggle affected various elements of American society, including slaves. A special emphasis is placed on the impact of the war on Fauquier County. This course is one of three “special topics in history” courses. It may be scheduled alternately with the other two by term or by year.

Women in History **299905**

Credit: 1

Grade: 11– 12

Prerequisite: None

Women in History examines history, government, economics, and sociology to provide a complete and interdisciplinary examination of the experiences of women throughout history. Using these areas, students will analyze past and present experiences, use critical thinking skills to create solutions to various domestic and global women’s issues, and discuss how our lives today have been shaped by the contributions of women. This course is one of three “special topics in history” courses. It may be scheduled alternately with the other two by term or by year.

Mathematics



Graduation Requirements

There are End-of-course SOL tests associated with Algebra I, Geometry, and Algebra II.

Course Sequencing

The chart included in this section illustrates sample course sequences in Mathematics.

Essential Concepts of Alg & Geo. **319925**

Credit: 2 **SOL**

Grade: 9 – 12

Prerequisite: None

The year-long course will combine Algebra I and Geometry to provide a more cohesive development of algebraic and geometric skills and concepts. This course will allow students to build their reasoning and sense-making skills; along with focusing on the most critical concepts from content and provide students with a deeper understanding of remembering specific techniques that apply to formulas. Students will work to develop a positive math identity, which will include feeling empowered by math and as other doers of math, seeing multiple purposes of learning math, appreciating why math is important in their lives, and coming to believe they can be successful in math. Students will finish this course with a project to be included in their student-designed portfolio.

Algebra I Part I **313103**

Credit: 1

Grade: 9 – 12

Prerequisite: None

This is the first part of a program in which Algebra is taught over two terms. The course is designed to meet the needs of students who might experience difficulty in a one-term Algebra I course. This course counts as one elective credit towards the Standard and Advanced diplomas. Students who take this course must also complete Algebra I Part II.

Algebra I Part II **313203**

Credit: 1 **SOL**

Grade: 9 – 12

Prerequisite: Algebra I Part I

This course is a continuation of Algebra I Part I. Successful completion of this course indicates that a student has mastered all Algebra I topics. Combined with Algebra I Part I, the course counts as one mathematics credit.

Algebra I **313005**

Credit: 1 **SOL**

Grade: 9 – 12

Prerequisite: None

Students solve and graph linear and quadratic equations and solve and graph linear inequalities. Students analyze function families algebraically and graphically. Graphing calculators are used as both a tool for solving problems and verifying solutions. Students investigate and analyze characteristics and multiple representations of linear and quadratic functions and analyze data using a curve of best fit.

Geometry Part I **314403**

Credit: 1

Grade: 9 – 12

Prerequisite: Algebra I or Algebra I Part II

This is the first part of a program in which Geometry is taught over two terms. This course is designed to meet the needs of students who might experience difficulty in a one-term Geometry course. This course counts as one elective credit towards a Standard and Advanced Studies Diploma. Students who take this course must also complete Geometry Part II to earn a mathematics credit toward graduation.

Geometry Part II **314503**

Credit: 1 **SOL**

Grade: 9 – 12

Prerequisite: Geometry Part I

This is the second part of a program in which Geometry is taught over two terms. Successful completion of this course indicates that a student has mastered all Geometry topics. Combined with Geometry Part I, this course counts as one mathematics credit.

Geometry **314305**

Credit: 1 **SOL**

Grade: 9 – 12

Prerequisite: Algebra I or Algebra I Part II

This course includes the study of both plane and solid geometry. Students investigate real-world problems using pictorial representations, computer software, constructions, algebraic and coordinate methods, deductive proofs, and formulas (e.g. quadrilateral properties, triangle congruence/similarity, right triangle, trigonometry, properties, equations of circles, surface area and volume of solid figures).

Geometry Honors **314307**Credit: 1 **SOL**

Grade: 9

Prerequisite: Grade of C or better in Algebra I or teacher recommendation

This course includes the deductive-axiomatic method of proof and inductive/intuitive approaches to geometry. General problem-solving techniques, a variety of real-world applications, extensive use of algebraic skills, and the use of related technology are included in the course. Students will finish this course with a project to be included in their student-designed portfolio.

Algebra, Functions, & Data Analysis (AFDA)**313405**

Credit: 1

Grade: 10 – 12

Prerequisite: Algebra I or Algebra I Part II

In this course, students study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data. Data is generated by practical applications from science, business, and finance. Students solve problems that require the formulation of linear, quadratic, exponential, or logarithmic equations. Students strengthen their conceptual understanding of mathematics and further develop connections between algebra and statistics.

Algebra II **313505**Credit: 1 **SOL**

Grade: 9 – 12

Prerequisite: Algebra I, or Algebra I Part II, or Essentials Concepts of Algebra and Geometry

This course includes the study of rational, radical, and polynomial expressions and equations. Students analyze function families algebraically and graphically. Nonlinear systems of equations will be solved graphically. Using an appropriate strategy, quadratic equations will be solved over a set of complex numbers. Students work with variations, sequences, series, permutations, and combinations. They analyze data using a curve of best fit, make predictions, and solve real-world problems, including connections between and among multiple representations of a function. Graphing calculators are used as tools for investigation and application purposes throughout the course.

Advanced Algebra II **313707**Credit: 1 **SOL**

Grade: 9 – 10

Prerequisite: Grade of C or better in Algebra I in Middle School and Geometry Honors; grade of B or better in Algebra I and Geometry, or Essential Concepts of Algebra and Geometry

Through the investigation of mathematical models and interpretation/analysis of data from real-life situations, students will strengthen their conceptual understanding of mathematics and further develop connections between algebra and statistics. Students will study functions, systems of inequalities, probability, and analysis of data. Data will be generated by practical applications, arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, exponential, or logarithmic equations. Students should expect both rigor and challenge in the course. All students will complete an independent project with a real-world application to share with an authentic audience and add to their portfolio.

Advanced Functions & Modeling **313605**

Credit: 1

Grade: 12

Prerequisite: AFDA or Algebra II

Advanced Functions and Modeling is a capstone course that focuses on providing students with the instruction to meet or exceed college and career-ready performance expectations. Students do mathematical tasks, work on inquiry-based projects, and solve problems collaboratively while developing decision-making skills, critical thinking, and presentation ability. The course provides students with applied and relevant instruction that supports students' attainment of rigorous college and career readiness performance expectations. Students will finish this course with a project to be included in their student-designed portfolio.

Advanced Mathematics **316005**

Credit: 1

Grade: 10 – 12

Prerequisite: Algebra II or Advanced Algebra II

This course provides students with a study of trigonometry. Students graph all trigonometric functions and combination functions, prove and verify trigonometric identities, use various angle formulas, and use polar coordinates and equations. In addition, students simplify radical expressions, perform all operations with radical expressions and complex fractions, and solve quadratic equations.

Pre-Calculus AP **316217**Credit: 1 **AP**

Grade: 10 – 12

Prerequisite: Advanced Math or Advanced Algebra II

This course is an in-depth study of polynomial, rational, exponential, and logarithmic functions. Trigonometry and circular functions are reviewed. Vectors, polar equations application problems. Trigonometric functions, the Pythagorean Theorem, the Law of Sines, and the Law of Cosines are applied to solve practical problems.

Calculus **319905**

Credit: 1

Grade: 11 – 12

Prerequisite: Pre-Calculus AP

This course includes the study of functions, limits, derivatives, the technique of differentiation, the definite and indefinite integral, and the techniques of integration, analytic geometry, and applications.

Calculus AB AP **317718**Credit: 1 **AP**

Grade: 11 – 12

Prerequisite: Pre-Calculus AP

Calculus AB AP is a one-credit course designed to prepare students for the Calculus AB AP exam. The topics include functions, limits, derivatives, the techniques of differentiation, the definite and indefinite integral and the techniques of integration, analytic geometry, and applications.

Calculus BC AP **317738**Credit: 1 **AP**

Grade: 11 – 12

Prerequisite: Pre-Calculus AP

Calculus BC AP is a two-credit course designed to prepare students for the Calculus BC AP exam. Topics include functions, limits, derivatives, the techniques of differentiation, definite and indefinite geometry, and application of infinite series, conics, plane curves, parametric equations, polar coordinates, vector value functions, vectors, and the geometry of space, and differential equations. ***Note: This course is combined with Calculus AB AP and runs the full academic year.***

Multivariable Calculus **317808**

Credit: 1

Grade: 12

Prerequisite: A grade of C or better in Calculus BC AP and a 3 or better on the Calculus BC AP exam.

This course is a continuation of calculus beyond the Calculus BC course. Topics include functions of several variables, multiple integration, vector analysis, first-order differential equations with application, and linear differential equations of higher order. The final grade in this course receives a weighted value.

Probability and Statistics **319005**

Credit: 1

Grade: 10 – 12

Prerequisite: Algebra II or Advanced Algebra II

This course introduces students to basic concepts and techniques for collecting and analyzing data, drawing conclusions, and making predictions. Students will design experiments and surveys, explore real-life probabilities, and focus on communication and interpretation of results using statistical language and technology. The course will expose students to four broad conceptual themes: (1) exploring data – observing patterns and departures from patterns, (2) planning a study – deciding what and how to measure, (3) anticipating patterns – producing probability and simulations, and (4) statistical inference – confirming models. Students will use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs.

Data Science **319945**

Credit: 1

Grade: 10 – 12

Prerequisite: Algebra I

This course will introduce students to the main ideas in data science through free tools such as Google Sheets, Python, Data Commons, and Tableau. Students will learn to be data explorers in project-based units, through which they will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society, and more! At the end of this course, students will have a portfolio of their data science work to showcase their newly developed abilities. The curriculum will be adaptable so that teachers can bring datasets or use what is provided to find data sets most relevant to their students.

Statistics AP **319208**Credit: 1 **AP, DE** (MTH 245)

Grade: 10 – 12

Prerequisite: Grade of C or better in Algebra II or Advanced Algebra II

In this course, students explore data distributions; explore data relationships; design samples and experiments; sample distributions and probability; and make inferences from data using known principles: comparisons measurement, large samples, and regression. Students learn to use confidence intervals, tests of significance, and special cases of normally distributed data.

Computer Mathematics 318405

Credit: 1

Grade: 9 – 12

Prerequisite: Algebra I

This course is an introduction to computer science. Students use computers to solve problems that can be set up as mathematical models. Strategies include defining the problem, developing, refining, and implementing a plan, and testing and revising the solution. The course also includes programming, ranging from simple programs involving only a few lines to complex programs. This course counts as one elective credit toward the Advanced Studies Diploma and one mathematics credit toward the Standard Diploma.

Computer Science Principles AP 100198Credit: 1 **AP**

Grade: 9 – 12

Prerequisite: Algebra I

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. The fundamentals of computing, including problem-solving, working with data, understanding the Internet, cybersecurity, and programming will help to broaden students' understanding of computer science for use in a diversity of majors and careers. This course may be used in conjunction with Algebra I and Geometry to satisfy math graduation requirements if the student completes a career and technical concentration.

Computer Science A AP 318538Credit: 1 **AP**

Grade: 11 – 12

Prerequisite: Algebra II or Advanced Algebra II and Computer Mathematics or demonstrated proficiency in writing computer programs

Students study a high-level structured language emphasizing algorithms, internal and external documentation covering data types, input/output from or to various devices, decisions, loop functions, procedures, arrays, records and files, and sorting and searching. The major emphasis in Computer Science A is the design and implementation of computer-based solutions to problems in several application areas. Students learn how to develop algorithms, select appropriate data structures, and write code fluently using JAVA. This course counts as one mathematics credit.

Computer Science III 320108

Credit: 1

Grade: 11 – 12

Prerequisite: Computer Science A AP or Computer Science Principles AP or teacher recommendation

In this course, students participate in an independent study of a high-level structured language emphasizing algorithms, internal and external documentation, and interface implementation. The major emphasis in Computer Science III is the design and execution of computer-based solutions to problems related to the current trends in local and global communities. Students learn how to design usable interfaces and develop applications using popular and state-of-the-art languages.

Discrete Mathematics 315405

Credit: 1

Grade: 10 – 12

Prerequisite: Algebra II or Advanced Algebra II

This course covers the basics of graph theory as well as circuits, cycles, and paths. Conflict-resolution problems are solved using graphs. Other optimization techniques such as linear programming is explored. Students investigate weighted voting techniques and various election methods, learn basic counting principles and utilize these to examine combinations and permutations; analyze and describe the issue of fair division; use Venn diagrams, truth tables, and matrices to solve logic problems; and learn to schedule algorithms.

SAT Critical Reading, Writing, and Math Prep 012905

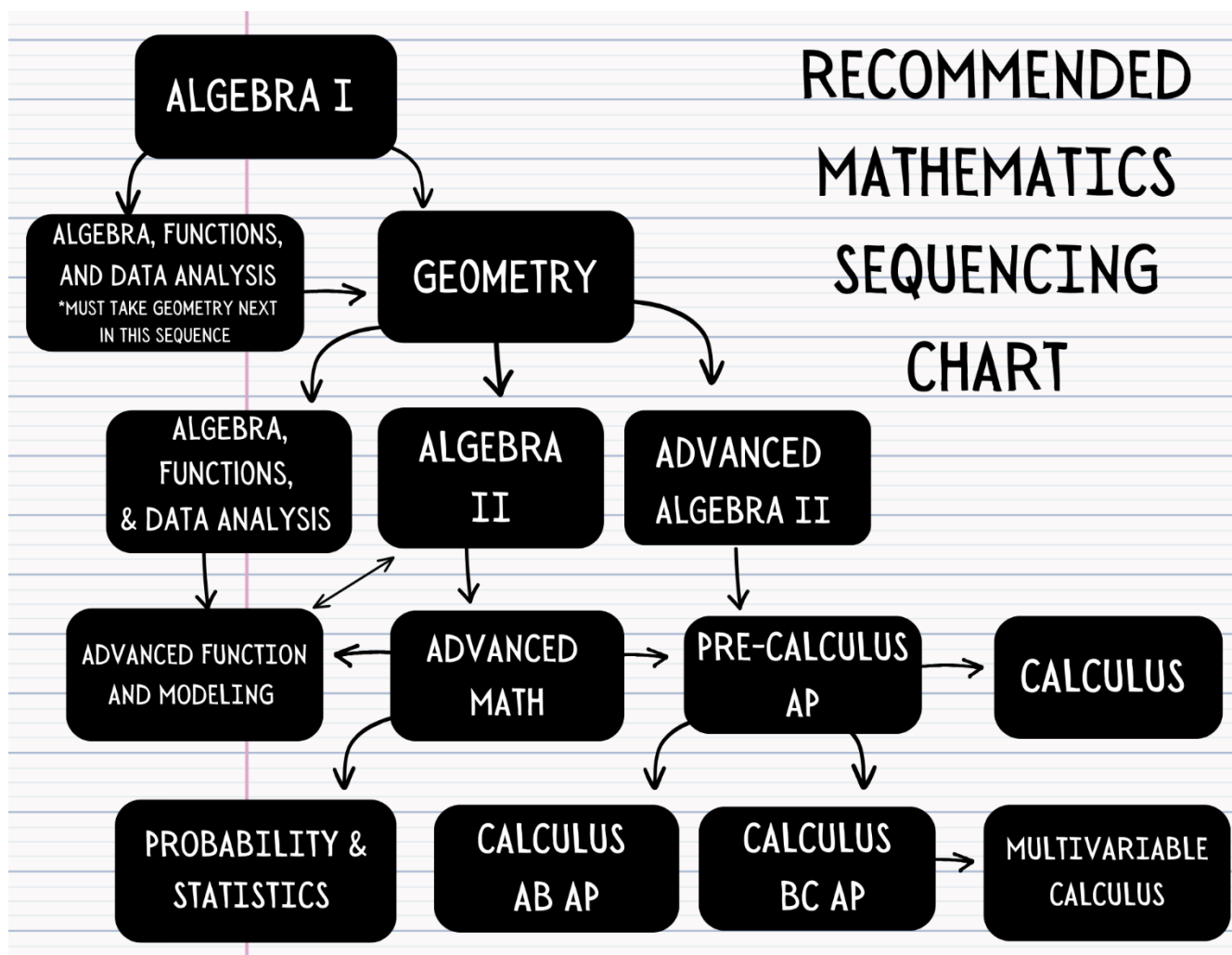
Credit: 1

Grade: 11 – 12

Prerequisite: English 9, English 10, Algebra I, Geometry, and Algebra II

The mathematics portion of this course is designed to help motivated college-bound students develop strategies for improving scores on college entrance exams. The coursework reviews basic Algebra I, Algebra II, and Geometry concepts. It introduces effective problem-solving strategies, identifies important pacing ideas, and provides practice in the SAT question formats of multiple choice and grid-ins. Students take several practice SATs throughout the course. They also explore the college application process. A materials fee is charged. This course counts as one elective credit.

Offered only at FHS & LHS



Additional Math Courses and Prerequisites	
Course Title	Prerequisite
Discrete Mathematics	Algebra II
Computer Mathematics	Algebra I
Computer Science Principles AP	Algebra I
Computer Science A AP	Algebra II & Computer Mathematics
Computer Science III	Computer Science A AP or Computer Science Principles AP
Probability & Statistics	Algebra II
Statistics AP	Algebra II
SAT: Critical Reading & Writing and Math Prep	Algebra II

Health & Physical Education



Graduation Requirements

Fauquier County Public Schools requires a credit in both Health and Physical Education 9 and Health & Physical Education 10 to meet graduation requirements.

Both the standard and advanced diploma options require students to be trained in emergency first aid, the use of an automated external defibrillator (AED), and hands-on practice for cardiopulmonary resuscitation (CPR).

Health & Physical Education 9 730005

Credit: 1

Grade: 9

Prerequisite: None

This course provides students with the knowledge, understanding, and skills to transition from modified versions of movement forms to more complex applications across all types of physical activities. Students demonstrate more specialized knowledge in identifying and applying key movement concepts and principles with an emphasis on the development of efficient body control and movement. The health portion of this course integrates a variety of health concepts, including desirable social skills, safety awareness, and behaviors to help students plan for their personal goals. Students receive training in emergency first aid, the use of an AED (automated external defibrillator), and hands-on practice for CPR (cardiopulmonary resuscitation) during the health portion of this course to meet graduation requirements. ***Note: While 9th-grade Family Life objectives are covered as part of the Health 9 curriculum, families may choose to opt their students out of these lessons.***

Health & Physical Education 10 740505

Credit: 1

Grade: 10

Prerequisite: Health & PE 9

This course focuses on the proficiency of fundamental movements, skill combinations, and knowledge that can help to prepare students for a more physically active and healthy lifestyle. Activities include outdoor pursuits, fitness exercises, individual performance, and net/wall target games. The ability to exhibit responsible personal and social behavior that respects self and others is emphasized. The classroom phase of Driver Education is included in this course. ***Note: While 10th Grade Family Life objectives are covered as part of the Health 10 curriculum, families may choose to opt their students out of these lessons.***

Advanced Physical Education I 764005

Credit: 1

Grade: 11 – 12

Prerequisite: Grade of B or better in Health & PE 10 or recommendation from teacher.

This advanced course in physical education is designed for students who are interested in physical activity and lifetime values of exercise and sports. Students have the opportunity to improve some of the skills they have learned in previous physical education classes. The course included non-traditional activities to go along with some of the more conventional sports and games. Possible field trips will be offered as well. ***Note: A fee may be charged to cover certain activities and field trips.***

Advanced Physical Education II 764015

Credit: 1

Grade: 11 – 12

Prerequisite: Grade of B or better in Advanced PE I

This advanced course in physical education is designed to teach students the value of exercise and physical activity. Students practice skills learned in previous physical education classes and participate in recreational activities that promote healthy lifestyles.

Life Fitness I 764035

Credit: 1

Grade: 11 – 12

Prerequisite: Grade of B or better in Health & PE 10 or recommendation from teacher

This elective course focuses on the practical and functional modes of strength training and body mechanics, the history of strength training, nutrition, physiology, kinesiology, cardiovascular conditioning, and related areas. Emphasis is placed on the benefits of building a strong body and maintaining good health throughout life. Testing and evaluation are done to challenge students and encourage a positive attitude toward total healthful living. Space and safety concerns may limit enrollment. Sophomores may have limited enrollment if space is available. *Life Fitness I cannot be taken in place of Health and PE 10.*

Life Fitness II 764055

Credit: 1

Grade: 11 – 12

Prerequisite: Grade of B or better in Life Fitness I

This elective course builds on the knowledge and skills developed in Life Fitness I. Students investigate anatomy, physiological adaptations, nutritional considerations, and other sports science topics. Emphasis is placed on students developing the ability to design and implement their strength training program. Students learn basic weight training principles including periodization, specificity, and correct use of variation and rest interval procedures. Students learn how to maintain a level of physical fitness that promotes disease prevention, an active lifestyle, and longevity.

Life Fitness III 764075

Credit: 1

Grade: 11 – 12

Prerequisite: Grade of B or better in Life Fitness II

This elective course builds on the knowledge and skills developed in Life Fitness I and II.

Unified PE 982605

Credit: 1

Grade: 10 – 12

Prerequisite: Recommendation from teacher

This course is designed for students to experience a variety of activities in physical education, especially those which require teamwork and cooperation. Warm-up stretches, cardio exercises, and group games are part of the routine. The curriculum is modified to meet the skill sets of the students with disabilities. Other students will participate as mentors for students with disabilities and these experiences will build skills and techniques for working with different populations and help develop leadership skills. *Unified PE cannot be taken in place of Health and PE 10.*

Adapted Physical Education 770000

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course provides students with an alternative to the required physical education courses. Students who cannot take an active part in Health and Physical Education 9 or 10 due to medical restrictions may be scheduled for this course.

Sports Medicine I (Athletic Training Level I)

763005

Credit: 1

Grade: 10 – 12

Prerequisite: Must complete the application and an interview with the Athletic Trainer

This program provides students with skills to prepare for a career in athletic training, physical therapy, orthopedic sports medicine, or related fields. Students must work a minimum of 30 hours outside of class time at athletic training staff. Students must attend all classroom instruction and lab practical activities. Topics include direct clinical experience, policies and procedures, modality operations, taping, and examinations. Assignments include a research paper on Sports Medicine and case reports. Students must sign the Student Training Guideline. *Note: A materials fee may be charged to cover materials.*

Sports Medicine II (Athletic Training Level II)

763035

Credit: 1

Grade: 10 – 12

Prerequisite: Sports Medicine I and recommendation from Athletic Trainer

Students must put in 200 hours of clinical and field experience under the direct supervision of a certified athletic trainer. Students must maintain a 3.0 grade average to acquire hours. The advanced student athletic trainer will supervise level 1 student athletic trainers and assist in the prevention, emergency care, evaluation, and treatment of athletic injuries. A major paper, four major tests, and weekly quizzes are required. *Note: a materials fee may be charged to cover materials.*

Health and PE Fitness Instructor 750005

Credit: 1

Grade: 12

Prerequisite: Life Fitness I

This elective course is designed for students who have an interest in pursuing a career in the health and fitness field, specifically through personal training. Upon successful completion of this National Academy of Sports Medicine (NASM) course and passing an off-site industry exam, students have an opportunity to earn a fitness industry credential. The Certified Personal Training credential will allow students to enter the high-demand market of personal training; which is a potential pathway to other careers in fitness such as athletic training, sports medicine, and physical therapy.

Science



Graduation Requirements

Fauquier County Public Schools offers courses in four science disciplines: Biology, Chemistry, Earth Science, and Physics.

Students seeking an Advanced Diploma will need to take a minimum of four science courses in at least three different disciplines. Students seeking a Standard Diploma will need to take at least three science courses in at least two different disciplines.

Students entering 9th grade may enroll in Biology, Earth Science, or Environmental Science. Student interests, desired science electives, prior science performance, current math enrollment, and reading mastery should all be considered when selecting the first high school science.

Students may take science courses in any sequence provided they have met the prerequisites, but students should only consider science elective courses after they have completed at least two introductory science courses in different disciplines. Students may take more than one science class per year if their schedule allows.

All students must have at least one of their science credits verified by an end-of-course SOL test. There are SOL tests associated with Introductory Earth Science, Biology, and Chemistry, but the Biology test is used for federal accountability of schools under the Every Student Succeeds Act (ESSA).

Earth Science 421005

Credit: 1 **SOL**

Grade: 9 – 12

Discipline: Earth Science

Prerequisite: None

Earth Science is an introductory lab-based course that deals with disciplines of astronomy, geology, meteorology, and oceanography. Topics include the universe, characteristics of Earth, rocks, and minerals, resource use, atmospheric conditions, and weather. Emphasis is placed on acquiring knowledge through laboratory experiences and understanding the process of science.

Earth Science Honors 421017

Credit: 1 **SOL**

Grade: 9 – 12

Discipline: Earth Science

Prerequisite: None

Earth Science Honors is an introductory lab-based course recommended for students who wish to work at an advanced level. The basic topics of Earth Science are covered on an accelerated schedule and emphasis is placed on problem-solving, exploring scientific literature, investigative research, data analysis, and laboratory experiences.

Environmental Science 030035

Credit: 1

Grade: 9

Discipline: Earth Science OR Biology

Prerequisite: None

Environmental Science is an introductory course covering fundamental concepts from Biology and Earth Science. Topics include Earth systems, population dynamics, environmental quality, human impact on the environment, and conservation. Students will use current technology and problem-solving techniques to gather and interpret real data. *The credit earned for Environmental Science may be used as either an Earth Science OR a Biology credit to satisfy science discipline requirements.*

Astronomy (Earth Science II) 426005

Credit: 1

Grade: 10 – 12

Discipline: Earth Science

Prerequisite: Earth Science and Algebra II recommended

Astronomy is a science elective course for students who would like to gain a deeper understanding of astronomy and the atmospheric sciences. Topics include stars and constellations, planets, and features of the known universe.

Geology (Earth Science II) 424005

Credit: 1

Grade: 10 – 12

Discipline: Earth Science

Prerequisite: Environmental Science or Earth Science recommended

Geology is a science elective course for students who would like to gain a deeper understanding of Earth's features, materials, and the complex forces that have shaped the world around us. Topics include minerals, rock classification, geological time, fossils, environmental and geophysical systems plate tectonics, weathering, erosion, depositions, and the geology of Virginia.

Oceanography (Earth Science II) 425005

Credit: 1

Grade: 10 – 12

Discipline: Earth Science

Prerequisite: Environmental Science or Earth Science recommended

Oceanography is a science elective course for students who would like to gain a deeper understanding of the ocean and its systems. Topics include physical and chemical properties of seawater, ocean exploration, seafloor features, sedimentation, waves, biogeochemical cycles, weather, climate, and an introduction to marine ecology.

Biology 431005Credit: 1 **SOL**

Grade: 9 – 12

Discipline: Biology

Prerequisite: None

Biology is an introductory lab-based course that deals with the basic principles of biological science. Topics include cells, classification, biochemistry, DNA/genetics, evolution, and ecology. Emphasis is placed on acquiring knowledge through laboratory experiences and understanding the process of science.

Biology Honors 431017Credit: 1 **SOL**

Grade: 9 – 12

Discipline: Biology

Prerequisite: None

Biology Honors is an introductory lab-based course recommended for students who wish to work at an advanced level. The basic topics of Biology are covered on an accelerated schedule and emphasis is placed on problem-solving, exploring scientific literature, investigating research, data analysis, and field/laboratory experiences.

Ecology (Biology II) 434005

Credit: 1

Grade: 10 – 12

Discipline: Biology

Prerequisite: Biology

Ecology is a science elective course for students who have completed an introductory Biology course and would like to gain a deeper understanding of living and non-living factors in the environment. Topics include ecosystem interactions, biogeochemical cycles, water quality, human impact on the environment, and possible solutions for environmental issues.

Anatomy and Physiology (Biology II) 433005

Credit: 1

Grade: 11 – 12

Discipline: Biology

Prerequisite: Biology and Chemistry

Anatomy is a science elective course for students who have completed introductory Biology and Chemistry courses and would like to gain a deeper understanding of the human body and its systems. Topics include individual cell types and tissues, the structure and function of major organs, and how organs work together to form organ systems in a functioning organism.

Marine Biology (Biology II) 432017

Credit: 1

Grade: 11 – 12

Discipline: Biology

Prerequisite: Biology and Chemistry

Marine Biology is a science elective course recommended for students who have completed introductory Biology and Chemistry courses and wish to work at an advanced level. Students should be prepared to conduct independent laboratory research and present content comprehensively in a variety of forms. In addition, students will conduct research in the areas of statistical analysis of an outdoor ecosystem, marine biology, and genetic engineering.

Environmental Science AP 427008Credit: 1 **AP**

Grade: 11 – 12

Discipline: Earth Science or Biology

Prerequisite: Biology and Chemistry. (Earth Science is recommended)

AP Environmental Science is an advanced science elective course equivalent to a one-semester introductory-level college Environmental Science course. Students are provided with the scientific principles, concepts, and methodologies required to understand the complex interrelationships of the natural world and identify possible environmental risks and solutions. This course follows a national curriculum developed by the College Board and includes both laboratory and field experiences. Students may be asked to prepare for this course by completing pre-course assignments. *The credit earned for Environmental Science AP may be used as either an Earth Science credit or a Biology credit to satisfy science discipline requirements.*

Biology AP **437008**Credit: 2 **AP**

Grade: 11 – 12

Discipline: Biology

Prerequisite: Biology and Chemistry

AP Biology is a two-term, two-credit advanced science elective course equivalent to a full year (two semesters) of introductory-level college biology. Students will cultivate their understanding through inquiry-based laboratory investigations and use problem-solving skills for real-world applications. This course follows a national curriculum developed by the College Board. Students may be asked to prepare for this course by completing pre-course assignments.

Chemistry **441005**Credit: 1 **SOL**

Grade: 10 – 12

Discipline: Chemistry

Prerequisite: Algebra I

Chemistry is an introductory lab-based course that deals with the basic principles of chemistry. Topics include atomic theory, chemical bonding, chemical reactions, molar relationships, kinetic molecular theory, and thermodynamics. Emphasis is placed on acquiring knowledge through laboratory experiences and understanding the process of science.

Chemistry AP **447008**Credit: 2 **AP**

Grade: 11 – 12

Discipline: Chemistry

Prerequisite: Chemistry

AP Chemistry is a two-term, two-credit advanced science elective course equivalent to a full year (two semesters) of introductory-level college chemistry. Students will cultivate their understanding through inquiry-based laboratory applications. This course follows a national curriculum developed by the College Board. Students may be asked to prepare for this course by completing pre-course assignments.

Physics **451005**

Credit: 1

Grade: 10 – 12

Discipline: Physics

Prerequisite: Algebra II

Physics is an introductory lab-based course that deals with the basic principles of physical science. Topics include mechanics, heat, light, sound, and electricity. Emphasis is placed on problem-solving and acquiring knowledge through laboratory experiences.

Physics I Algebra-Based AP **457308**Credit: 1 **AP**

Grade: 10 – 12

Discipline: Physics

Prerequisite: Advanced Mathematics or equivalent

AP Physics I is an introductory algebra-based course equivalent to the first semester of introductory-level college physics and is recommended for students who wish to work at an advanced level. Topics include kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonics, mechanical waves, sound, and rotational motion. Students will cultivate their understanding through inquiry-based lab investigations and use problem-solving skills for real-world applications. This course is a national curriculum developed by the College Board. Students may be asked to prepare for this course by completing pre-course assignments. *Note: Physics is not required as a prerequisite for AP Physics I.*

Physics II Algebra-Based AP **457408**Credit: 1 **AP**

Grade: 10 – 12

Discipline: Physics

Prerequisite: AP Physics I, and Advanced Mathematics or equivalent

AP Physics II is an algebra-based science elective course equivalent to the second semester of introductory-level college physics. Topics include fluid mechanics, thermodynamics, electricity and magnetism, optics, quantum, atomic, and nuclear physics. Students will cultivate their understanding through inquiry-based lab investigations and use problem-solving skills for real-world applications. This course follows a national curriculum developed by the College Board. Students may be asked to prepare for this course by completing pre-course assignments.

Special Education



The courses listed in this section are available specifically for special education students. They provide access to the general curriculum and specially designed curriculum to meet the unique needs of special education students.

Courses to meet the specific diploma types are determined by the Individualized Education Program (IEP) for each special education student.

Language Arts 9 **151703**

Credit: 1

Grade: 9

Prerequisite: None

This course provides an emphasis on the writing process, language and vocabulary skills, and reading various types of literature. Oral and written communication skills are emphasized. This course also helps students become more effective readers. Instruction is individualized to meet the needs of the student. This course does not count as a credit toward the Standard Diploma.

Language Arts 10 **151713**

Credit: 1

Grade: 10

Prerequisite: Language Arts 9

This course provides an emphasis on the writing process, language and vocabulary skills, and reading various types of literature. Oral and written communication skills are emphasized. This course also helps students become more effective readers. Instruction is individualized to meet the needs of the student. This course does not count as a credit toward the Standard Diploma.

Language Arts 11 **151723**

Credit: 1

Grade: 11

Prerequisite: Language Arts 10

This course provides an emphasis on the writing process, language and vocabulary skills, and reading various types of literature. Oral and written communication skills are emphasized. This course also helps students become more effective readers. Instruction is individualized to meet the needs of the student. This course does not count as a credit toward the Standard Diploma.

Language Arts 12 **151733**

Credit: 1

Grade: 12

Prerequisite: Language Arts 11

This course provides an emphasis on the writing process, language and vocabulary skills, and reading various types of literature. Oral and written communication skills are emphasized. This course also helps students become more effective readers. Instruction is individualized to meet the needs of the student. This course does not count as a credit toward the Standard Diploma.

Mathematics 9 **320003**

Credit: 1

Grade: 9

Prerequisite: None

This course focuses on instruction in basic computational skills (addition, subtraction, multiplication, division) of whole numbers, decimals, and fractions. Students will apply basic math skills to consumer issues they will deal with in real life such as taxes and personal/family budget. Instruction will be individualized to meet the needs of the student. This course does not count as a credit toward the Standard Diploma.

Mathematics 10 **320013**

Credit: 1

Grade: 10

Prerequisite: Mathematics 9

This course focuses on instruction in basic computational skills (addition, subtraction, multiplication, division) of whole numbers, decimals, and fractions. Students will apply basic math skills to consumer issues they will deal with in real life such as taxes and personal/family budget. Instruction will be individualized to meet the needs of the student. This course does not count as a credit toward the Standard Diploma.

Mathematics 11 **320023**

Credit: 1

Grade: 11

Prerequisite: Mathematics 10

This course focuses on instruction in basic computational skills (addition, subtraction, multiplication, division) of whole numbers, decimals, and fractions. Students will apply basic math skills to consumer issues they will deal with in real life such as taxes and personal/family budget. Instruction will be individualized to meet the needs of the student. This course does not count as a credit toward the Standard Diploma.

Mathematics 12 **320033**

Credit: 1

Grade: 12

Prerequisite: Mathematics 11

This course focuses on instruction in basic computational skills (addition, subtraction, multiplication, division) of whole numbers, decimals, and fractions. Students will apply basic math skills to consumer issues they will deal with in real life such as taxes and personal/family budget. Instruction will be individualized to meet the needs of the student. This course does not count as a credit toward the Standard Diploma.

Personal Living and Finance **312033**

Credit: 1

Grade: 10 – 12

Prerequisite: None

Students apply basic math skills to consumer issues they will deal with in life such as taxes, personal/family budget, managing debt, comparing savings options, and identifying 78 consumer rights and responsibilities. Students will also learn the 21 Workplace Readiness Skills (WRS) for the Commonwealth and take the WRS Commonwealth Assessment. Upon passing the WRS assessment, the student would satisfy the graduation requirements for an industry credential and economics and personal finance. This course is strictly for students who have demonstrated a need through their IEP process for a credit accommodation for Economics and Personal Finance (6120CTE). This course also meets the virtual course requirements for graduation with online course components.

Science 9 **461703**

Credit: 1

Grade: 9

Prerequisite: None

This course provides some of the basic principles of earth science, biology, and, ecology. Students experience these disciplines through hands-on laboratory work, fieldwork, computer simulations, and multimedia presentations. Emphasis is placed on how science affects daily living. This course does not count as credit toward the Standard Diploma.

Science 10 **461713**

Credit: 1

Grade: 10

Prerequisite: Science 9

This course provides some of the basic principles of earth science, biology, and, ecology. Students experience these disciplines through hands-on laboratory work, fieldwork, computer simulations, and multimedia presentations. Emphasis is placed on how science affects daily living. This course does not count as credit toward the Standard Diploma.

Science 11 **461723**

Credit: 1

Grade: 11

Prerequisite: Science 10

This course provides some of the basic principles of earth science, biology, and, ecology. Students experience these disciplines through hands-on laboratory work, fieldwork, computer simulations, and multimedia presentations. Emphasis is placed on how science affects daily living. This course does not count as credit toward the Standard Diploma.

Science 12 **461733**

Credit: 1

Grade: 12

Prerequisite: Science 11

This course provides some of the basic principles of earth science, biology, and, ecology. Students experience these disciplines through hands-on laboratory work, fieldwork, computer simulations, and multimedia presentations. Emphasis is placed on how science affects daily living. This course does not count as credit toward the Standard Diploma.

Social Studies 9 **299703**

Credit: 1

Grade: 9

Prerequisite: None

This course investigates past and present human societies and civilizations and provides a brief study of the history of the United States. Students study important events and people of the state of Virginia as well as the United States. Emphasis is placed on the responsibilities of citizenship, the relationship of individuals and the government to the role of the law, and the role of Virginia and the United States in the global community. This course does not count as credit toward the Standard Diploma.

Social Studies 10 **299713**

Credit: 1

Grade: 10

Prerequisite: Social Studies 9

This course investigates past and present human societies and civilizations and provides a brief study of the history of the United States. Students study important events and people of the state of Virginia as well as the United States. Emphasis is placed on the responsibilities of citizenship, the relationship of individuals and the government to the role of the law, and the role of Virginia and the United States in the global community. This course does not count as credit toward the Standard Diploma.

Social Studies 11 **299723**

Credit: 1

Grade: 11

Prerequisite: Social Studies 10

This course investigates past and present human societies and civilizations and provides a brief study of the history of the United States. Students study important events and people of the state of Virginia as well as the United States. Emphasis is placed on the responsibilities of citizenship, the relationship of individuals and the government to the role of the law, and the role of Virginia and the United States in the global community. This course does not count as credit toward the Standard Diploma.

Social Studies 12 **299733**

Credit: 1

Grade: 12

Prerequisite: Social Studies 11

This course investigates past and present human societies and civilizations and provides a brief study of the history of the United States. Students study important events and people of the state of Virginia as well as the United States. Emphasis is placed on the responsibilities of citizenship, the relationship of individuals and the government to the role of the law, and the role of Virginia and the United States in the global community. This course does not count as credit toward the Standard Diploma.

Pre-Vocational Skills Level I **789803**

Credit: 1

Grade: 9 – 12

Prerequisite: None

Students investigate daily living skills, personal-social skills, and occupational fields within the classroom setting. They examine occupational requirements, explore career pathways, conduct a job search, learn interview skills, and demonstrate positive work traits and attitudes. This course is designed for students who plan to enter the workforce after high school. This course does not count as a credit toward the Standard Diploma.

Pre-Vocational Skills Level II **789823**

Credit: 1

Grade: 9 – 12

Prerequisite: IEP recommendation, Pre-Vocational Skills I, or demonstrate of mastery of competencies from Level I

Students participate in a work setting while continuing with their employment training, which is supervised or monitored by school staff during the school day and may rotate jobs to receive a sampling of different job types and work opportunities. The student receives additional classroom instruction when needed. Transportation

during the school day is arranged by the school system. This course is recommended for students who require direct supervision. This course does not count as a credit toward a Standard Diploma.

Pre-Vocational Skills Level III **789833**

Credit: 1

Grade: 10 – 12

Prerequisite: IEP recommendation, Pre-Vocational Skills II, or demonstrate of mastery of competencies from Level II

Students participate in a work setting while continuing with their employment training, which is supervised or monitored by school staff during the school day and may rotate jobs in order to receive a sampling of different job types and work opportunities. The student receives additional classroom instruction when needed. Transportation during the school day is arranged by the school system. This course is recommended for students who require direct supervision. This course does not count as a credit toward a Standard Diploma.

Academic Enhancement I **786884**

Credit: 1

Grade: 9 – 10

Prerequisite: None

This course focuses on the improvement of executive functions for 9th and 10th graders. The Executive Functions curriculum is designed to help students plan, organize, make decisions, pay attention, regulate behavior, solve problems, and evaluate decisions. Time management strategies, assessing strengths, goal setting, and study skills are highlighted. The focus of Academic Enhancement is to support those transitioning to High School. Outcomes include improved performance in class and testing achievement. The class also helps provide homework support and extra content area skill practice for students with IEPs who are striving to succeed in academic core classes.

Academic Enhancement II **786886**

Credit: 1

Grade: 11 – 12

Prerequisite: Academic Enhancement I

This course offers remedial support to 11th and 12th-grade students preparing for graduation. The support is individually tailored to student needs. It includes remediation for 11th and 12th-grade students who are required to retake SOL tests to graduate with a Standard Diploma. There is also a VMAST preparation and support for students struggling to pass required courses and tests. This class includes an emphasis on test-taking strategies, study skills, work completion, and assistance with writing papers. In extenuating circumstances, this course may be approved to serve as an elective as demonstrated by a student's need.

Human Relations **780803**

Credit: 1

Grade: 9 – 12

Prerequisite: None

Students participate in an activity-based class to achieve their competencies: increasing self-esteem, improving personal power, learning communication skills, and participating in goal setting. Specific ways of coping with frustrating or stressful situations are included.

Independent Living Skills **789613**

Credit: 1

Grade: 9 – 12

Prerequisite: None

Students learn basic cooking and housekeeping skills as well as techniques to cope with daily life situations. Application of reading, writing, and math skills be emphasized in real-life activities. Communication skills are developed as well as interpersonal relationships. Instruction will be individualized to meet the needs of the student. This course does not count as a credit toward a Standard Diploma.

Individualized Reading I **118413**

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course is designed to help students become more effective readers through individually designed reading programs. The course of study is based on each student's individual needs, goals, and interests. Students read a variety of fiction and non-fiction materials. Emphasis is placed on comprehension, vocabulary development, and study skills.

Individualized Reading II **118513**

Credit: 1

Grade: 9 – 12

Prerequisite: Individualized Reading I

This course is a continuation of Individualized Reading I and is designed to help students become more effective readers.

World Language



Course Sequencing in World Language

Students enrolled in a Level I World Language course are strongly encouraged to enroll in Level II the following term

Board of Education Seal of Biliteracy

Students who attain a high level of proficiency in one or more languages in addition to English may be eligible for the Board of Education Seal of Biliteracy. See the section on diploma seals in Section I for further information.

Native and Heritage Speakers

A student who is a native or heritage speaker of a language other than English may receive up to two world languages by demonstrating a minimum proficiency level of novice high in all four language domains as determined by a proficiency assessment administered by the school division. The student may then be placed in a Level II, Level III, or fluent speaker's language course to complete the series of World Language credits required for the Advanced Studies and Advanced Technical Diplomas.

Arabic I	501005
French I	511005
German I	521005
Spanish I	551005
Turkish I	599905

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course is designed to give students an introduction to the target language and culture through a comprehensive approach designed to develop the fundamental communication skills of listening, speaking, reading, and writing. Students will explore traditions, dress, food, holidays, and customs in countries speaking the target language and compare the cultures of those countries with their environment.

German I offered only at FHS & KRHS.

Turkish I offered only at FHS & LHS.

Arabic II	502005
French II	512005
German II	522005
Spanish II	552005
Turkish II	599915

Credit: 1

Grade: 9 – 12

Prerequisite: Recommended grade C or better in level I

Students continue to develop their communicative competence by interacting orally and in writing with other learners and speakers of the target language. This course is a continuation of level I with a focus on communicating about students' immediate world and daily activities. Students will read material on familiar topics and write short, directed compositions. Emphasis will be placed on the use of authentic materials to learn about culture. ***German II offered only at FHS & KRHS.***
Turkish II offered only at FHS & LHS.

Arabic III	503005
French III	513005
German III	523005
Spanish III	553005
Turkish III	599925

Credit: 1

Grade: 9 – 12

Prerequisite: Recommend grade C or better in level II

In this course, students continue to develop their communicative competence by interacting orally and in writing with other learners and speakers of the target language, understanding oral and written messages, and making oral and written presentations in the target language. They will begin to show a greater level of accuracy when using basic language structures, and they are exposed to more complex features of the language. They will continue to focus on communicating about their immediate world and daily activities. The emphasis will continue to be placed on the use of authentic materials to learn about culture.

German III offered only at FHS & KRHS.

Turkish III offered only at FHS & LHS.

Arabic IV	504095
German IV	524005
Turkish IV	599935

Credit: 1

Grade: 10 – 12

Prerequisite: Recommend grade C or better in level III

Students in level IV experience, discuss and analyze stories, poetry, music, paintings, dance, and drama in the target language including selections from various literacy genres. Reading and writing for specific purposes enhances the development of language skills.

German IV offered only at FHS & KRHS

Turkish IV offered only at FHS & LHS.

French IV (DE) 514007

Spanish IV (DE) 554007

Credit: 1 **DE** (FRE 101 & 102) (SPA 101 & 102)

Grade: 10 – 12

Prerequisite: Recommend grade C or better in level III, or Spanish for Fluent Speakers

This is the equivalent of a college-level course in conversation and composition. The goal of the course is to use core topics to refine students' listening and speaking skills and improve their reading comprehension, grammar, and composition through interpersonal, interpretive, and presentational communication. It is designed to provide high school students with a rigorous collegiate experience in the study of the target language. It incorporates the communicative skills identified by the College Board and selected readings from the AP literature reading list to prepare students wishing to enroll in the AP/DE course of studies. Students who successfully complete the class may earn three college credits. Students who do not pay the DE tuition charge will only receive high school credit.

Advanced French Literature and Culture 510505

Credit: 1

Grade: 10 – 12

Prerequisite: French IV

Students in Advanced French Literature and Culture will engage in a variety of language activities that further reinforce French language acquisition. Students experience, discuss, and analyze expressive products of culture including music, dance, drama, and selections from various literacy genres. Reading and writing for specific purposes will also continue the development of language skills. *Note: This course is not sequential and may be taken at any time following French IV. Students are strongly advised to take this course before the French Language Advanced Placement course.*

French Language AP 517018

Spanish Language AP 557018

Credit: 1 **AP DE** (FRE 201 & 202) (SPA 201 & 202)

Grade: 11 – 12

Prerequisite: Recommend grade C or better in level IV

AP Language Dual Enrollment (DE) is the equivalent of a more advanced college-level language course. It is designed to provide high school students with a rigorous collegiate experience in the study of the target language. It incorporates the communicative skills identified by the College Board and selected readings from the AP literature reading list to prepare students for successful completion of the AP Language Exam. Students may be asked to complete pre-course assignments. Students who successfully complete this class may earn three college credits. Students who do not pay the DE tuition charge will only receive high school credit.

Spanish Literature AP 558008

Credit: 1 **AP**

Grade: 11 – 12

Prerequisite: Recommend grade C or better in level IV

The purpose of this course is to prepare students for the Advanced Placement Spanish literature exam. Students study literature written by authors recommended by the College Board. Students may be asked to prepare by completing pre-course assignments. They present written and oral literacy analyses in preparation for the Advanced Placement Literature Exam.

German Language AP 517018

Credit: 1 **AP**

Grade: 11 – 12

Prerequisite: Recommend grade C or better in Level IV

The purpose of this course is to prepare students for the Advanced Placement German language exam. All previous foreign language coursework is incorporated to provide a comprehensive language base for the successful completion of the AP Language Exam.

Offered only at FHS & KRHS

Classical Language



Latin I 531005

Credit: 1

Grade: 9 – 12

Prerequisite: None

In Latin I, students will focus on reading Latin. Since Latin is primarily a written language, this focus will continue through AP Latin. Latin grammar and vocabulary will be the two main building blocks. English derivatives, reading skills, and basic translation skills will contribute as well. In addition to the Latin language study, Latin I students will learn about Roman life and culture with particular attention to daily life in Pompeii, Alexandria, and Roman Britain, as well as travel, slavery, mythology, and ancient geography. *Offered only at FHS & KRHS*

Latin II 532005

Credit: 1

Grade: 9 – 12

Prerequisite: Grade of C or better in Latin I

In Latin II, Students will continue to develop reading and translation skills in pursuit of the program goal of reading Latin. Latin II continues the grammar and vocabulary development of Latin I with an emphasis on new verb tenses and voices. Students will expand their knowledge of Roman life and culture through the study of travel, city life, food, entertainment, history, and government.

Offered only at FHS & KRHS

Latin III 533005

Credit: 1

Grade: 10 – 12

Prerequisite: Grade of C or better in Latin II

Latin grammar and vocabulary study continue in Latin III, with the inclusion of the last major verb mood, and a variety of subordinate clauses. The focus shifts increasingly to reading for content over reading for skill as students approach the goal of reading Latin. Gladiators and games, weddings and funerals, religion, politics, and the Roman military are parts of Roman life and culture studies in this class. *Offered only at FHS & KRHS*

Latin IV 534005

Credit: 1 **DE** (LAT 201)

Grade: 10 – 12

Prerequisite: Grade of C or better in Latin III

This course focuses on the reading of Latin literature. The advanced grammar and vocabulary included in it will help students to read, translate, and analyze prose and poetry by a variety of Latin authors, such as Pliny the Younger, Cicero, Vergil, Caesar, Ovid, Catullus, Martial, Plautus, and Horace. Students will develop a deeper understanding of the individual readings and Romans in general through these authors' works. *Offered only at FHS & KRHS*

Latin AP Vergil/Caesar 537008

Credit: 1 **AP DE** (LAT 202)

Grade: 11 – 12

Prerequisite: Grade of C or better in Latin IV

Students will prepare for the AP Vergil exam by reading the complete Aeneid in English and translating the Latin excerpts required by the Advanced Placement syllabus. Comprehension of Roman poetry will broaden and deepen as this course focuses on Vergil's epic poem. Roman history, culture, religion, and mythology will also be used to supplement understanding of this poem. An oral and written analysis will also be required as preparation for the AP Vergil exam. *Offered only at FHS & KRHS*

Spanish for Fluent Speakers



Students may be placed in Spanish for Fluent Speakers Level I or II based on language proficiency assessment results. Students are encouraged to continue with Dual Enrollment and AP Spanish courses.

Spanish For Fluent Speakers I **551105**

Credit: 1

Grade: 9 – 12

Prerequisite: Language Proficiency Assessment preferred

This course is designed specifically for native or heritage speakers of Spanish with oral proficiency but little or no formal training in the language. The course is designed to build language skills students already possess. The focus of the course is to develop reading and writing skills, although all four language domains of listening, speaking reading, and writing will be included. This course will count for world language credit as students are encouraged to go on to take Spanish IV DE and Spanish AP as appropriate for the Advanced Studies Diploma requirement.

Spanish For Fluent Speakers II **552105**

Credit: 1

Grade: 9 – 12

Prerequisite: Spanish for Fluent Speakers I or recommended by teacher based on assessment of student's skills

This course is designed specifically for native or heritage speakers of Spanish with intermediate to advanced literacy proficiency levels. This course is designed to build on the language skills students already possess, instill pride in a rich heritage, and allow students to succeed to their full potential. The focus of the course is to further enhance reading and writing skills, although all four language domains of listening, speaking, reading, and writing will be included. The course will count for a world language credit and students are encouraged to go on to take Spanish IV DE and Spanish AP.

American Sign Language



American Sign Language I **599005**

Credit: 1

Grade: 9 – 12

Prerequisite: None

American Sign Language (ASL) I is a virtual course and is primarily asynchronous. ASL is the third most commonly used language in North America. In this course, students will learn the manual alphabet, introductory vocabulary, and simple sentences needed to communicate. Additionally, students explore Deaf culture, including social beliefs, traditions, history, values, and communities influenced by deafness. *If offered during the 2025-26 school year (based on staffing and funding), it will be a year-long course.*

American Sign Language II **599505**

Credit: 1 **DE** (ASL 101 and 102)

Grade: 10 – 12

Prerequisite: American Sign Language I

American Sign Language II is a virtual course and is primarily asynchronous. This course Introduces the fundamentals of American Sign Language (ASL) used by the Deaf Community, including basic vocabulary, syntax, fingerspelling, and grammatical non-manual signals. In addition, instruction focuses on communicative competence, developing gestural skills as a foundation for ASL enhancement, and increasing understanding of the Deaf Community. *If offered during the 2025-26 school year (based on staffing and funding), it will be a year-long course.*

American Sign Language III **599605**

Credit: 1 **DE** (ASL 201 and 202)

Grade: 10 – 12

Prerequisite: American Sign Language II

American Sign Language III is a virtual course and is primarily asynchronous. This course develops vocabulary, conversational competence, and grammatical knowledge as well as introduces increasingly complex grammatical aspects, including those unique to ASL. Students will also discuss culture and literature. Contact with the deaf community is encouraged to enhance linguistic and cultural knowledge. *If offered during the 2025-26 school year (based on staffing and funding), it will be a year-long course.*

Additional Courses



Academic Coaching **011145**

Credit: 1

Grade: 10 – 12

Prerequisite: None

The purpose of this academic support course is to teach students how to work strategically in multiple content areas. Students will learn how to apply organizational learning, studying, and time management strategies so that they are able to prepare for classes, ready to take tests, and able to successfully meet project and assignment deadlines. This course is recommended for a variety of students including student-athletes who need help scheduling and completing homework and class projects, first-time AP students who need assistance managing the demands of rigorous reading and homework assignments, students who have part-time jobs, or any students who need support in organizing, scheduling, and keeping up with their academic responsibilities.

Empower Open Source Learning **982645**

Credit: 1

Grade: 11 – 12

Prerequisite: None

This course is designed for students to work on projects that interest them to gain skills and knowledge in that particular area. Students will use a variety of resources to learn how to do almost anything that interests them. This course gives students a collaborative and creative place to explore and develop skills in an area they may be interested in (for example, financial management, web design, nutritional wellness, event production, video production, machine tooling, 3D printing, coding, fashion design, and repair, etc.). Students will work with community organizations to utilize their skills professionally, problem-solve, and be project-based.

Freshman Seminar **012845**

Credit: 1

Grade: 9

Prerequisite: None

This academic support course promotes a positive attitude toward school; prepares students for success in school; links students' daily learning to future goals; and encourages lifelong learning and the practice of social and civic responsibility. The interdisciplinary seminar is

taught by teachers from the core areas of English, History and Social Science, Mathematics, and Science. It consists of in-depth lessons that use a variety of both innovative and traditional teaching techniques, including long-term projects, cooperative learning activities, and technology. Enrollment has traditionally been limited to students in the Freshman Transition Program.

Student-Run Help Desk **011805**

Credit: 1

Grade: 10 – 12

Prerequisite: None

This elective course is designed for students who have an interest in technology, are tech-savvy, and want real work experience like working at an "Apple Genius Bar". The Student Run Help Desk curriculum strives to give students real-world learning opportunities by providing technical support and developing an Individual Learning Endeavor (ILE). You will be the Tech Help Desk for your peers and teachers at your high school.

Teachers for Tomorrow I **011815**

Teachers for Tomorrow II **011825**

Credit: 1

Grade: 11 – 12

Prerequisite: Teachers for Tomorrow I: None

Teachers for Tomorrow II: Teacher for Tomorrow I

Teachers for Tomorrow is offered to Juniors and Seniors interested in pursuing a career in education. The program is designed to foster student interest, understanding, and appreciation of the teaching profession through exposure to a world-class curriculum and hands-on experience that focuses on teaching. Students in this class will complete a three-week field experience allowing them to be fully immersed in a real classroom experience.

LHS Innovation Grant Courses*

*Offered Only at LHS



Anthropology **237405**

Credit: 1

Grade: 9 – 12

Prerequisite: None

This course focuses on the study of humankind and will take an interdisciplinary look at the human experience. Students will explore the general principles of the four subfields of anthropology including archaeology, physical/biological anthropology, cultural biology, and linguistics of anthropology. Students will examine key questions about human diversity past, present, and future and look at how anthropology can be applied to help solve modern problems.

Data Science **319945**

Credit: 1

Grade: 10 – 12

Prerequisite: Algebra I

This course will introduce students to the main ideas in data science through free tools such as Google Sheets, Python, Data Commons, and Tableau. Students will learn to be data explorers in project-based units, through which they will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society, and more! At the end of this course, students will have a portfolio of their data science work to showcase their newly developed abilities. The curriculum will be adaptable so teachers can bring datasets or use what is provided to find data sets most relevant to their students. **Starting in the 25-26 school year this course is now offered at all high schools.**

Global Studies **299645**

Credit: 2 **Performance Assessment/SOL**

Grade: 9

Prerequisite: None

Global Studies is a one-semester survey of World History from Pre-History to the present. This course incorporates the big ideas from World History and Geography to 1500 and World History and Geography 1500 to Present curricula. The broad approach to World History features the biggest turning points in history while helping students develop their reading, writing, research, technology, and public speaking skills. Course content will focus on the causes and effects of the biggest events in human history. This includes the rise of civilization, the

development of world religions, global exploration, imperialism, and the response to imperialism, industrialism, and the clashing of ideologies in the 20th century.

Medical Assistant I **011855**

Credit: 1

Grade: 11 – 12

Prerequisite: Intro to Health and Medical Sciences

This course is designed for students who have an interest in pursuing a career in the medical field. This is the first part of a two-part course. Medical Assistant I allow students to develop entry-level skills and techniques to increase their knowledge base so they may enter the healthcare field. Some of these skills and knowledge base areas include administrative and clinical medical assisting. Students gain foundational knowledge in basic anatomy and physiology, medical ethics, medical asepsis, terminology, medical mathematics, and legal responsibilities. Additionally, students explore medical assisting career pathways through the Health Occupations Student Association (HOSA) and potential on-the-job clinical instruction and/or observation in a healthcare facility.

Medical Assistant II **011865**

Credit: 1

Grade: 11 – 12

Prerequisite: Medical Assistant I

This course is designed for students who have an interest in pursuing a career in the medical field. This is the second part of a two-part course. Students further develop medical-assisting skills and techniques learned in Medical Assistant I. They learn the management of patient records, cardiopulmonary resuscitation, care and use of equipment, collection, and analysis of laboratory specimens, special diagnostic testing of basic diseases and disorders, and basic knowledge of treatment and medication. In addition, students acquire job preparedness skills. Additionally, students explore medical assisting career pathways through the Health Occupations Student Association (HOSA) and potential on-the-job clinical instruction and/or observation in a healthcare facility. Students who take the NOCTI assessment can take the Certified Medical Assistant (AAMA) certification at the end of the course.

Peer Tutoring I **980715**

Credit: 1

Grade: 10 – 12

Prerequisite: None

Students enrolled in Peer Tutoring I are responsible for operating the school's peer tutoring center. They will learn various pedagogical approaches and practice leadership skills that will serve them in their future professions. In addition to tutoring, students will

strengthen their knowledge in areas such as study habits, resume writing, and research skills. Students will tutor in the peer tutoring center itself as well as have opportunities to be “hired” by individual teachers to work with classes.

Peer Tutoring II **980725**

Credit: 1

Grade: 10 – 12

Prerequisite: Peer Tutoring I

Students in Peer Tutoring II apply the knowledge they gained in Peer Tutoring I to take on an enhanced leadership role in the peer tutoring center. They will contribute to managing center operations, mentoring new tutors, and heightening school-wide academic achievement. They will make at least one significant contribution to the wider peer tutoring community; for example, by presenting at a conference or publishing a scholarly article.

Peer Tutoring III **980735**

Credit: 1

Grade: 11 – 12

Prerequisite: Peer Tutoring II

Students will build on the leadership skills they established in Peer Tutoring II, tutors in Peer Tutoring III apprentice with a sponsor teacher for the duration of the school year, engaging in a deep study of the educator’s approach to instruction in his or her academic field. These seniors will also work with a consistent group of clients on an ongoing basis. They will report on their learning via regular reflection logs, and both create a portfolio of their learning across their three years as a tutor and innovate a permanent learning tool for the benefit of the school.

The Senior Experience **116055**

Credit: 1

Grade: 12

Prerequisite: English 11

The Senior Experience will offer students a way to “pave their own path” within the English curriculum and standards. Each student, based on their pathway post-high school graduation, will propose and tailor their Senior Experience course to fit their needs to be life-ready. Students would be required to submit a proposal for approval, apply for and attain either an internship or shadowing opportunity to use as research and reflection, and submit a product addressing each of the Standards of Learning for the English 12 curriculum.

Unified Music **921405**

Credit: 1

Grade: 9 – 12

Prerequisite: None

Unified Music is designed for students to experience a wide variety of musical topics, especially those that require teamwork and cooperation. Students learn topics in music appreciation, basic singing techniques, and music literacy skills, and participate in music and movement activities. Students perform concerts at school and sing in the community when invited. The curriculum is modified to meet the skill sets of students with disabilities. Students

Unified Seminar **982665**

Credit: 1

Grade: 10 – 12

Prerequisite: None

This course is designed for students to experience a variety of educational opportunities and activities, especially those which require teamwork and cooperation. Students will be exposed to various curriculum and content areas, including electives from around the school. For example, students will participate in projects and lessons with social studies and science courses and experiences with Fine Arts and CTE classes. The curriculum is modified to meet the skill sets and interests of the students with disabilities. Students without disabilities will participate as mentors for students with disabilities; these experiences will give them skills and techniques for working with different populations and help them develop leadership skills.

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