AMHERST COUNTY HIGH SCHOOL

PROGRAM OF STUDIES 2021-2022

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2021-2022

Dear Amherst County High School Students and Families:

Thank you for taking the time to read and review our program of studies. We are certainly in unprecedented times and know how important school and education are to our students and community. We take our commitment to provide the best education possible for every child, every day very seriously. Our school strives to be intentionally excellent and we believe that it is imperative to extend that intentionality to our program of studies. Your building and central office administrators and counselors have carefully reviewed, altered, and expanded the course offerings for the 2021-2022 school year. Our goal is always to fully prepare all of our students for life after high school. We realize that our students have multiple pathways post-graduation and we strive to create a program of studies that will provide opportunities for the diverse needs of our scholars. Whether a student's trajectory is leading them towards college, vocational school, the military, or the workforce, our program of studies will lay the foundation for all of those possible futures.

The program of studies is designed to give students and their parents information regarding graduation requirements, descriptions of courses being offered, and prerequisite requirements for each course. The program of studies is a guide to assist students as they decide which courses best fit their educational and career goals. Our school counselors are always available to assist students in the course selection process. Their primary objectives during this process are to certify that students are enrolled in courses that meet state graduation requirements and that students select courses that are appropriate for their abilities and life goals.

The faculty and staff of Amherst County High School will continue to stress the importance of enrollment in the Honors and Advanced Placement (AP) curricula. Enrollment in these courses has proven to serve as a gauge for predicting success in college and beyond. Although we encourage students to take Honors and AP courses, it is important to understand that the Honors and AP courses are demanding and the teachers adhere to rigorous academic standards and expectations.

We recognize that not all students will need to attend a college or university to achieve their life goals and that completing a robust career and technical education program is just as valuable as preparing for college. School counselors will monitor students' academic progress to confirm students are enrolled in the necessary courses to meet the graduation requirements for their respective diploma type.

There are many opportunities for our scholars to achieve a successful educational experience that prepares them for life beyond high school. I encourage all students to take full advantage of the opportunities that Amherst County High School has to offer. We are intentionally creating opportunities to help our students embody the Profile of a Virginia Graduate which is represented by the Five Cs (critical thinking, creative thinking, collaboration, communication, and citizenship). It is our earnest desire for all of our students to be well prepared for life after high school and that we provide equitable opportunities for all of our scholars to achieve their goals and aspirations.

Sincerely,
Dr. Derrick Brown
Principal - Amherst County High School

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DIPLOMA REQUIREMENTS GRADUATING CLASS OF 2022 AND BEYOND

The Virginia Board of Education approved revisions to the requirements students must meet to earn a high school diploma. The new diploma requirements will begin with students entering the ninth grade in 2018-2019 (class of 2022) and beyond. For more information, use the following link to the Virginia Department of Education's website: http://www.doe.virginia.gov/boe/accreditation/2017grad-req.shtml

The number of standard credits for a Virginia High School Standard Diploma and Advanced Studies Diploma remain the same but the number of required verified credits — earned by passing a course in the content area and the associated end-of-course assessment — is reduced to five (one each in English reading, English writing, mathematics, science and history/social science) for both diplomas.

Beginning with first-time ninth grade students in the 2016-2017 school year, requirements for the standard and advanced diplomas shall include a requirement to be trained in emergency first aid, cardiopulmonary resuscitation, and the use of automated external defibrillators, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. This training is offered through Health and PE courses.

Standard Diploma (Class of 2022 and Beyond)

Subject	*Standard Units of Credit Required*	*Verified Credits Required*
English	4	2
Mathematics	3	1
Science	3	1
History/Social Science	3	1
Health and PE	2	
World Language, Fine Arts or CTE	2	
Economics & Personal Finance	1	
Electives	4	
TOTAL	**22**	**5**

Advanced Studies Diploma (Class of 2022 and Beyond)

Subject	*Standard Units of Credit Required*	*Verified Credits Required*
English	4	2
Mathematics	4	1
Science	4	1
History/ Social Science	4	1
World Language	3	
Health and PE	2	
Fine Arts or Career & Technical Education	1	
Economics & Personal Finance	1	
Electives	3	
TOTAL	**26**	**5**

Based on current educational circumstances, guidance within this document is subject to change.

NATIONAL HONOR SOCIETY

Amherst County High School actively participates in the National Honor Society. Students are selected for membership at the beginning of their junior year. This selection is based upon scholarship (3.7 GPA), service, leadership, and character.

CENTRAL VIRGINIA GOVERNOR'S SCHOOL

The Governor's School serves juniors and seniors from five surrounding school divisions. Students take mathematics, science, and technical courses at the Governor's School in the morning and return to the high school in the afternoon for the remainder of their classes. The curriculum is designed to challenge students in math and science. Students apply for admission in the spring of their sophomore year. Criteria for selection include, but are not limited to the following:

1. Completed Honors Algebra II during the 10th grade year.
2. Completed Chemistry during the 10th grade year.
3. PSAT scores taken in the fall of the 10th grade year.
4. Exceptional interest/aptitude in math and science.
5. High level of achievement in all courses.
6. Outstanding reading comprehension skills.
7. Teacher recommendations.
8. Ability to perform in a self-directed learning atmosphere.

Courses available at the Governor's School are: Junior Research, Dual Enrollment Math Analysis, Physics, Dual Enrollment Calculus, Dual Enrollment Physics, Dual Enrollment Anatomy and Physiology, Dual Enrollment Vector Calculus, Dual Enrollment Linear Algebra, Connections in Mathematics, and Senior Technology Seminar.

THE EARLY COLLEGE PROGRAM

The Early College Program is a unique and exciting partnership with Central Virginia Community College (CVCC). Early College is a two-year program designed to allow selected juniors who have successfully completed Algebra II to earn an Advanced Studies high school diploma and an Associate in Arts and Science degree at the same time. The successful completion of Chemistry in Grade 10 is highly recommended. Students attend classes in the morning at the Amherst CVCC facility and have the option of returning to Amherst County High School in the afternoon to take electives or additional math and science courses. Only core content courses will be weighted. Applications to this program are due in March of the sophomore year, and a minimum grade point average of 3.5 is required.

LYNCHBURG REGIONAL GOVERNOR'S SCHOOL XLR8 STEM ACADEMY

This program is housed at Central Virginia Community College in the Areva Technology Center. It is open to high school juniors and seniors who wish to focus on career and technical education. The goal of the program is to bridge the gap between education and industry to further the economic vitality of the region. The four identified pathways at this time are Mechatronics (blending of mechanical and electrical engineering), Biotechnology, Cybersecurity, and Health Science. Additional information about this program can be obtained from school counselors.

CENTRAL VIRGINIA COMMUNITY COLLEGE (CVCC) ARTICULATION & DUAL ENROLLMENT COLLEGE CREDIT

The Career and Technical Education/College Prep Program is a partnership between Amherst County High School and CVCC. Students successfully completing the high school portion of Career and Technical Education/College Prep program may be eligible to receive college credit for selected courses at CVCC. College level Dual Enrollment courses are available to students in the Career and Technical Education/College Prep Program. High School counselors can provide more information about the requirements for Dual Enrollment participation. Dual Enrollment courses offered by ACHS or on the CVCC campus include College Composition, Pre-Calculus, Precision Machining Technology (Machine Tools), Heating/Ventilation/Air Conditioning (HVAC), Emergency Medical Technician (EMT), Welding, Advanced Forestry Management, and Advanced Engineering Drawing and Design.

REGIONAL CTE ACADEMY AT CENTRAL VIRGINIA COMMUNITY COLLEGE (CVCC)

CVCC has created a unique opportunity for rising seniors who are interested in getting a head start on their career in the fields of RN, EMT, HVAC, Welding, or Machinist. Seniors will take the required high school courses at their home schools and their college courses at CVCC. The courses taken at CVCC will count for both college credit and high school elective credit. The following programs will be available: Criminal Justice, Cyber Security, Electrical Technology, Information Systems Technology (IST), Computer Networking, Mechatronics, EMT/Paramedic, Health Science, Public Safety Telecommunications, HVAC, Industrial Maintenance, Machine Tool, and Welding. Please see your school counselor for more information on these programs.

GROW YOUR OWN TEACHERS PROGRAM

University of Lynchburg's Grow Your Own Teachers Program is an opportunity for students to earn a teaching degree through a partnership between Amherst County Public Schools and University of Lynchburg. To be eligible for the program students must reside in Amherst County and have a desire to teach Science, Technology, Engineering and Math. Students enrolled in Early College through Amherst County Public Schools and CVCC are eligible to participate.

Benefits of Grow Your Own are: 1) Students pay two years of tuition at CVCC and benefit from a financial aid package the two years at University of Lynchburg. 2) Field work experiences and student teaching are done in the Amherst County Public Schools. 3) Faculty advisors from CVCC and University of Lynchburg are available to assist students. 4) After graduation, students work with Amherst County Public Schools to secure job placement if an opening is available for which they are qualified.

Please contact your school counselor for more information about the Grow Your Own Teachers Program.

POLICY FOR AWARDING HIGH SCHOOL UNITS OF CREDIT IN DUAL ENROLLMENT COURSES

Dual Enrollment **core courses** are awarded one unit of high school credit regardless of whether the course is taken on or off the high school campus. Students are required to take two semesters of a course to receive one high school credit. The credit is awarded at the completion of two semesters. Courses must be from a school of higher learning that has a contracted agreement with Amherst County Public Schools.

Dual enrollment **elective courses** are awarded ½ unit of high school credit per **semester course**. These courses may be taken on and off campus.

CREDITS REQUIRED FOR PROMOTION

9th grade to 10th grade: 5 credits

10th grade to 11th grade: 10 credits

11th grade to 12th grade: 15 credits

COURSE REGISTRATION PHILOSOPHY

Students are encouraged to enroll in academically challenging courses. School counselors are available to advise students regarding course selections. However, students and their parents maintain the right to select a course at a different level of difficulty than recommended by teachers and/or school counselors. Students and their parents will make the final decision regarding course selection.

DROP/ADD POLICY

Students who wish to drop or add a course must do so by the end of the tenth day of each semester.

Approval to withdraw from a class must be granted by the school principal.

AUDIT COURSES

Students may audit a course if they have approval to retake a course for the purpose of obtaining a higher final grade. Both grades must show on the student's transcript; however, the student will receive credit for the highest grade only. Note: This does not apply to course failures.

COURSE SEQUENCE

All courses are to be taken in sequence. Students may not take sequenced courses simultaneously unless authorized by the principal or his/her designee.

STANDARD GRADING SCALE

Scale	Symbol	Standard
98-100	A+	4.0
93-97	A	4.0
90-92	A-	3.7
87-89	B+	3.3
83-86	B	3.0
80-82	B-	2.7
77-79	C+	2.3
73-76	C	2.0
70-72	C-	1.7
67-69	D+	1.3
63-66	D	1.0
60-62	D-	0.7
0-59	F	0

ADVANCED PLACEMENT (AP) PROGRAM

Amherst High School offers 15 Advanced Placement courses in the areas of mathematics, science, English and social studies. AP courses are sanctioned by the College Board and upon successful completion of the course and AP Exam colleges may offer course credit to students. Students completing these courses earn an additional quality point in their GPA (see grading scale below). Students may also take on the challenge of Honors courses in the major content areas. These students earn .5 additional quality points (see grading scale below). Please contact your child's counselor for more information regarding Honors and AP coursework. **AP summer assignments will not be a barrier to enrollment in AP courses**.

AP & DUAL ENROLLMENT GRADING SCALE

Dual Enrollment courses offered through ACPS, Advanced Placement (AP) courses, CVGS courses that may lead to college credit, and CVCC courses are graded on a 10-point scale and will be weighted with **A = 5; B = 4; C = 3; D = 2; F = 0.**

AP & DUAL ENROLLMENT GRADING SCALE

Scale	Symbol	AP & Dual Enrollment
90-100	A	5.0
80-89	B	4.0
70-79	C	3.0
60-69	D	2.0
0-59	F	0

* Students taking Dual Enrollment and Advanced Placement Courses receive letter grades without a plus or minus.

HONORS GRADING SCALE

Scale	Symbol	Honors
98-100	A+	4.5
93-97	A	4.5
90-92	A-	4.2
87-89	B+	3.8
83-86	B	3.5
80-82	B-	3.2
77-79	C+	2.8
73-76	C	2.5
70-72	C-	2.2
67-69	D+	1.8
63-66	D	1.5
60-62	D-	1.2
0-59	F	0

DIPLOMA OPTIONS

Amherst County High School currently offers the following diplomas: Standard, Advanced Studies, Applied Studies, and Certificate of Completion. See pages 1 and 2 for graduation requirements. In addition, students may earn the following state seals: Governor's Seal; Board of Education Seal; Board of Education's Career and Technical Education Seal; Board of Education's Seal for Science, Technology, Engineering, and Mathematics (STEM); Board of Education's Seal of Advanced Mathematics and Technology; Board of Education's Seal for Excellence in Civics Education; Board of Education's Seal of Biliteracy; and Board of Education's Seal for Excellence in Science and the Environment.

SENIOR REQUIREMENTS

Seniors are required to take one core course each semester of their senior year. For example, if a senior is registered for English 12 first semester, they would take Government second semester.

****EARLY RELEASE FOR SENIORS****

To be eligible for early release seniors must have met all SOL/CTE requirements for their diploma type. Remediation classes will be provided during the school day for all seniors who need to re-take SOL and CTE credential assessments.

GRADUATION CEREMONY PARTICIPATION

All seniors who wish to participate in the Graduation Ceremony must successfully complete all diploma requirements by the end of their senior year.

ONLINE COURSES

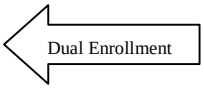
VIRTUAL VIRGINIA

Virtual Virginia provides access to online Advanced Placement and elective courses. Students who meet the prerequisites may enroll through their school counselor. www.virtualvirginia.org

AMHERST REMOTE ACADEMY

Students have the opportunity to take online courses through Virtual Virginia, taught by ACPS staff. Courses available in the Amherst Remote Academy are noted with this icon.

KEY OF SYMBOLS

	This symbol denotes that there is an End of Course SOL Test associated with this course.
	This symbol denotes a course that is also available through Amherst Remote Academy (ARA).
	This symbol denotes that the course is Dual Enrolled, providing high school and college credit.

Courses of Study

Note: Due to staffing, budget changes or low enrollment, some courses may not be offered. All courses are completed in one semester and worth one credit unless otherwise noted.

ENGLISH

Students must take their English courses in sequence with only one English course per semester, if recovery is needed. Exceptions may be considered provided the student can meet the credit requirements for graduation. A student may not enroll in more than two first attempt grade levels of English in a school year.

ENGLISH 9

This course is a combined study of reading skills, literature, use of information sources, intensive word study and discussion.

HONORS ENGLISH 9

Prerequisite: Successful completion of the English 8 SOL reading and writing tests.
4.5 Weighted Grading Scale
This class will help students succeed in college and rigorous high school courses, such as those offered in the Advanced Placement Program. The class will be literature based, and in-depth class discussions will be an integral part of that study. Outside reading will be assigned each nine weeks. Creative writing will be an on-going requirement of the class, and students will learn to analyze the literature they are reading through critiquing rather than summarizing. Vocabulary study will focus on analogies and usage rather than on spelling and definitions.

ENGLISH 10

Prerequisite: English 9
This course is a combined study of world literature, narrative and expository composition, library re- search, technical and computer skills, and grammatical usage.

HONORS ENGLISH 10

Prerequisite: Honors English 9 or English 9
4.5 Weighted Grading Scale
This advanced level course will help students to expand their skills in reading, writing and research. In their study of literature, students will use critical thinking skills to recognize all universal literary themes. Students will spend time developing a personal writing style using analysis and reasoning techniques. This course will prepare students for the Advanced Placement courses. At the discretion of the teacher, major writing projects may also be incorporated into the class. Vocabulary study will prepare students for AP and SAT/ACT assessments.

ENGLISH 11 SOL REMEDIATION

Prerequisite: Administration/School Counselor Recommendation
This course is designed for students who have successfully completed English 11, but who have not successfully completed the accompanying Standards of Learning assessment. The course focuses on reinforcing the skills needed to pass the reading and writing portion of the Virginia Standard of Learning English 11 End of Course test. Emphasis will be placed on writing, reading, literature, and research skills. The course will utilize SOL English materials. Emphasis will also be placed on familiarizing students with the end of course (EOC) test format and test-taking strategies in order to maximize their scores on the accompanying Standard of Learning assessment.

ENGLISH 11

SOL Test

Prerequisite: English 10
This course is a combined study of American literature, impromptu speaking, expository and research composition, and grammatical usage. Students are required to pass (400 and above) SOL Assessments in Reading and Writing.

HONORS ENGLISH 11

SOL Test

Prerequisite: Honors English 10 or English 10
4.5 Weighted Grading Scale
This class is designed for students who have successfully completed English 9 and 10. This is a survey course of American Literature from 1607 to the present. This course involves a more in-depth look at the literature as well as additional reading and writing. Students are required to pass SOL assessments in Reading and Writing.

AP ENGLISH 11 – LANGUAGE AND COMPOSITION

SOL Test

Prerequisite: It is strongly suggested that students have taken Honors English in the 9th and 10th grades.
5.0 Weighted Grading Scale
AP Language and Composition follows the Advanced Placement English curricula. It is an intensive study of literature, with a focus on American literature and writing. Various types of writing, rhetoric, and parallel readings will be emphasized. Upon completion of this course students will demonstrate their writing skills in various rhetorical modes. Students are expected to take the College Board Exam in addition to fulfilling all English 11 curriculum requirements. Students are required to pass SOL assessments in Reading and Writing.

ENGLISH 12

Prerequisite: English 11

This course will study British Literature and literature of other cultures. Students will focus on organizational skills, vocabulary, grammar, and verbal and non-verbal presentation skills. Students will produce technical, expository, and analytical writing as well as a documented research paper and an oral presentation.

HONORS ENGLISH 12

Prerequisite: Honors English 11 or English 11

4.5 Weighted Grading Scale

This is a survey course of British Literature from Anglo-Saxon to the present. An in-depth look at literature as well as additional reading and writing are required. Students will be required to complete a documented research paper and other analyses of classic works.

AP ENGLISH 12 LITERATURE AND COMPOSITION

Prerequisite: Honors English 11 or AP Language and Composition

5.0 Weighted Grading Scale

This course challenges students to read and interpret a wide range of imaginative works. Students will be exposed to a variety of genres and literary periods and will be expected to write clearly about the literature they study. The course focuses on critical thinking, reading and writing skills. Students are expected to take the College Board Exam in addition to fulfilling all requirements for Grade 12 English.

COLLEGE COMPOSITION/CVCC

Six CVCC College Credits,

One High School Credit, yearlong

Dual Enrollment

Prerequisite: Seniors - CVCC

Approval and CVCC Placement Test Scores, and Approved Writing Sample; successful completion of the English 11 SOL reading and writing tests.

5.0 Weighted Grading Scale

Course 111 of College Composition is designed to teach students to read, write, and think critically and analytically. An argument-based text is used to teach a persuasive, rhetorical writing style. Students will study writing models, discuss issues, and write papers using the various methods of argument. Students will also study grammar, style, and word choice. Students will purchase secondary texts to read, discuss, and analyze. In course 112 of College Composition, a college- level study of world literature is explored. Critical analyses, discussion, and a research paper are required. Students will also read classic literature for outside reading. Students must complete semester I (course 111) with a grade of C or above in order to enroll in semester II (course 112).

RISE ENGLISH

This course provides an opportunity for selected students to build their foundational skills in order to be successful in English. Students are identified and invited by using achievement data such as SOL scores and grades. The course focus is on those skills that prove to be challenging for students and to help them become more proficient in their abilities to read, write, and be better critical thinkers.

WORLD LANGUAGE

SPANISH I

In Spanish I students learn the basics of reading, writing, understanding, and speaking Spanish. Students acquire a basic vocabulary for daily use and gain an understanding of some of the cultures and customs of the Hispanic world. Students communicate orally and in writing using simple structures and vocabulary. They practice listening skills with the aid of taped recordings and videos of native speakers.

SPANISH II

Prerequisite: Spanish I

Grade of C or above in Level I is recommended.

Students review and add to the four language skills learned in Spanish I. Listening, speaking, reading, and writing are taught concurrently with the culture of Spanish-speaking people. Emphasis is on the use of the language. A more formal study of grammar reinforces skills already learned in Spanish I. Visuals, tapes, and records supplement the textbook.

SPANISH III

Prerequisite: Spanish II

Grade of C or above in Level II is recommended.

Spanish III continues the four basic language skills with added emphasis on reading and writing. Independent reading, writing and conversation are encouraged. An understanding of the people and culture of Spanish-speaking countries is stressed.

SPANISH IV

Prerequisite: Spanish III

Grade of B or above in Level III is recommended.

In Spanish IV students work to increase the skills of reading, speaking, listening, and writing. Students read a variety of works by Hispanic authors, write on different topics using a variety of tenses, and gain a deeper understanding of Hispanic culture. Grammar learned in previous years of Spanish is reviewed and amplified, and vocabulary is strengthened and expanded.

SPANISH V
Prerequisite: Spanish IV
Grade of B or above in Level IV is recommended. Students who elect to take Spanish V should be able to work independently and should have a firm background in the basics of Spanish grammar, reading, and writing. Students read and discuss modern literary works by Hispanic authors and write compositions based on the readings. Grammar concepts are reviewed, and additional concepts are added, with written work showing the application of grammatical skills. Classroom discussions provide opportunities for speaking practice, and the use of English is limited.

FRENCH I
The four language skills - listening, speaking, reading, and writing are taught concurrently with an introduction to the culture of the French-speaking people. Use of the language is emphasized. Students spend much class time speaking and listening to French. The textbook is supplemented with work- books, videos, and tapes.

FRENCH II
Prerequisite: French I
Grade of C or above in Level I is recommended. Students review and add to the four language skills learned in French I. Listening, speaking, reading and writing are taught concurrently with the culture of French-speaking people. Again, emphasis is on the use of the language. A more formal study of grammar reinforces skills already learned in French I. Work-books, tapes, and videos supplement the textbook.

FRENCH III
Prerequisite: French II
Grade of C or above in Level II is recommended. French III continues the four basic language skills with added emphasis on reading, writing and conversation. An understanding of the people and culture of French-speaking countries is stressed.

FRENCH IV
Prerequisite: French III
Grade of B or above in Level III is recommended. French IV provides a wide variety of experiences in all aspects of language learning: vocabulary development, reading comprehension, literature, civilization and culture, grammar review and enrichment, and everyday conversation.

FRENCH V
Prerequisite: French IV
Grade of B or above in Level IV is recommended. This course will continue the development of written and conversational skills in French. Students are required to spend a considerable amount of time working independently. Students read and discuss modern literary works by French authors and write compositions based on the readings. Grammar concepts are reviewed, and additional concepts are added, with written work showing the application of grammatical skills.

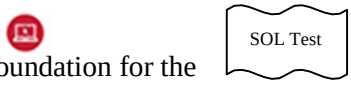
HEALTH & PHYSICAL EDUCATION

HEALTH & PE 9
The intent of this course is to help students learn the skills necessary for performing a variety of physical activities and understand the benefits of achieving and maintaining a healthy and active lifestyle. Five strands within the curricula are Skillful Movement, Movement Principles & Concepts, Personal Fitness, Responsible Behaviors, and Physically Active Lifestyle. Health education class will include instruction in disease prevention and control, consumer health, environmental health, personal and family survival, substance abuse, family life, and first aid. Students will be trained in emergency first aid, cardiopulmonary resuscitation, and the use of automated external defibrillators. To receive credit for ninth grade Health and Physical Education, students must satisfy requirements for both Health Education and Physical Education.

DRIVERS EDUCATION / HEALTH & PE 10
Prerequisite: Health & PE 9
Standards of Learning in this course are sequenced and progress in complexity from the five strands concentrated on in H/PE 9. The standards are intended to provide the knowledge, processes, and skills needed for students to become physically educated, physically fit, and responsible in their health choices and behaviors for a lifetime. Emphasis is placed on physical fitness through national standard fitness test. Activities include team and lifetime sports. Drivers Ed is taught in place of Health for the first semester; once state requirements have been met Health is started. Drivers Ed instruction focuses on developing proper driving techniques and attitudes essential to safe driving. Emphasis is placed on traffic knowledge, manipulative skills, and a proper attitude toward the use of motor vehicles. Students will be provided the opportunities to practice their driving skills after school for a fee of $175.00. Students must sign-up for and are selected for driving skills practice according to their eligibility date which is nine months after their learner's permit is issued. Health Education will offer instruction in mental health, substance abuse, and family nutrition. To receive credit for tenth grade Drivers Ed / Health and Physical Education, students must satisfy requirements for both Health Education and Physical Education.

MATHEMATICS

ALGEBRA I



Algebra I provides the foundation for the more advanced mathematics courses. It broadens and strengthens the basic concepts of arithmetic and provides an understanding of the terminology, notation, and symbolism of Algebra. Content includes patterns, generalization of arithmetic concepts, proportional reasoning, representing mathematical relationships using tables, symbols and graphs and will include a transformational approach to graphing. The study of functions, rational and irrational expressions, and polynomials is included. Students will take the Algebra I SOL test at the end of the course.

ALGEBRA I / ENRICHMENT

Prerequisite: Teacher Recommendation
This course is designed for students who struggle with the Pre-Algebra concepts and need more reinforcement of the Pre-Algebra skills. Because the Algebra I material is covered in two periods, Algebra I/Enrichment allows students more time to learn the Algebra I skills and provides the foundation for the more advanced mathematics courses. It broadens and strengthens the basic concepts of arithmetic and provides an understanding of the terminology, notation, and symbolism of Algebra. Content includes patterns, generalization of arithmetic concepts, proportional reasoning, representing mathematical relationships using tables, symbols and graphs and will include a transformational approach to graphing. The study of functions, rational and irrational expressions, and polynomials is included. Students will take the Algebra I SOL test at the end of the course.

ALGEBRA SOL REMEDIATION

Prerequisite: Algebra I, Administration/
School Counselor Recommendation
This course is required for students who have successfully completed Algebra I but have not successfully completed the Algebra I End of Course Standards of Learning assessment. The goal of this class is that each student be able to relate Algebra skills to real world applications and use these skills to solve problems. Graphing calculators and SOL resource materials will be used extensively. Emphasis also will be placed on familiarizing students with the end of course (EOC) test format and test-taking strategies in order to maximize their scores on the EOC Algebra I test. All students enrolled in this class will take the Algebra I EOC test.

COMPUTER MATHEMATICS

Prerequisite: Successful completion of Algebra I
The student will apply programming techniques and skills to solve practical real-world problems in mathematics arising from consumer, business, and other applications in mathematics. The class will use Chromebooks as the primary learning device. Students will be introduced to JavaScript and SQL programming languages and write programs in each to learn the structure of computer programming as they explore how computers and math are used in the workplace. The course will contain elements of applied math within the curriculum.

This class does not satisfy the Advanced Diploma requirement for mathematics and cannot be taken after Algebra II. This course cannot be taken for a math credit unless student is a CTE program completer.

ALGEBRA FUNCTIONS AND DATA ANALYSIS Algebra (AFDA A)

Prerequisite: Algebra I
This course is designed for students who require additional instruction in the reinforcement of the Algebra I skills before proceeding to another math course. AFDA Algebra will provide remediation for students who have passed the Algebra I course, but not the Algebra I SOL. The course will be structured based on a modified version of the AFDA standards focusing on the skills required to pass the Algebra I SOL test and strengthening Algebra I skills for higher level math courses. Students who have completed Algebra II may not take this course.

GEOMETRY

Prerequisite: Algebra I
Geometry extends the skills and concepts developed in Algebra I through the exploration of geometric relationships including properties of geometric figures, trigonometric relationships and mathematical proofs. Topics include a review of real numbers, segment and angle measurement, angle relationship, parallel and perpendicular lines, convex polygons, and congruent triangles. Also emphasized are circles, construction, coordinate geometry, area and volumes of solid figures. An emphasis on two- and three-dimensional reasoning skills, coordinate and transformational geometry and the use of geometric models to solve problems. Students will take the Geometry SOL test at the end of the course.

HONORS GEOMETRY

Prerequisite: Honors Algebra I or
Algebra I with Teacher Recommendation
4.5 Weighted Grading Scale
Honors Geometry will include concepts taught in regular geometry with more emphasis on proofs, coordinate geometry, and area and volume of polygons. More real world applications will be incorporated into this course. Students will take the Geometry SOL test at the end of the course.

ALGEBRA FUNCTIONS AND DATA ANALYSIS Geometry (AFDA G)

Prerequisite: Algebra I and Geometry

This course is designed for students who have completed Geometry, but need some additional reinforcement of their Algebra skills before proceeding to Algebra II. This course is a bridge to help students prepare for the rigor of the Algebra II course. Students in this course will study functions and their behaviors, systems of inequalities, probability, data analysis and statistics, and simple experimental design. This course may NOT be taken if a student has already completed AFDA A.

ALGEBRA II

SOL Test

Prerequisite: Algebra I and Geometry

Grade of C or above in Algebra I and successful completion of Geometry is recommended.

Algebra II is for students who wish to advance their mathematics knowledge in algebraic concepts at a moderate pace without the study of trigonometry. Topics include functions, equations, inequalities, systems of equations, polynomials, rational and radical equations, complex numbers, sequences and series, normal curve and a transformational approach to graphing. Students will take the Algebra II SOL test at the end of the course.

HONORS ALGEBRA II

SOL Test

Prerequisite: Geometry or Honors Geometry and a grade of B or above in Algebra I

4.5 Weighted Grading Scale

Honors Algebra II will include concepts taught in regular Algebra II and include a wider variety of topics and a more in-depth approach than Algebra II. Graphing utilities will be used to enhance understanding through modeling and aid in the study of functions and their inverses. At times, students will be required to perform mathematical calculations without the use of a calculator. Opportunities to develop conceptual understanding in addition to mastery of basic skills will be provided. Students will take the Algebra II SOL test at the end of the course.

ALGEBRA III

Prerequisite: Algebra II or Honors Algebra II

Grade of C or above in Algebra II or Honors Algebra II is recommended.

Content includes the review of topics from Algebra II and Geometry and introduces new topics such as linear relations and functions, systems of equations and inequalities, matrices, polynomial and rational functions, exponential and logarithmic functions, trigonometry, conics, sequences, and series. The course is for students who intend to continue their study of mathematics in college. Students may not enroll in Algebra III after receiving credit for Pre-Calculus. Students will be required to have a graphing calculator.

AP STATISTICS

Prerequisite: Honors Algebra II, Algebra III or Pre-Calculus

5.0 Weighted Grading Scale

Students are introduced to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad concepts: exploring data; describing patterns and departures from patterns, sampling and experimentation; planning and conducting a study, anticipating patterns; exploring random phenomena using probability and simulation, and statistical inference; estimating population parameters and testing hypotheses. Students are expected to take the College Board AP Exam.

PRE-CALCULUS (CVCC)

Dual Enrollment

Prerequisites: Honors Algebra II or Algebra III; Successful completion of the CVCC Math Placement Test

One High School Credit, yearlong*

5.0 Weighted Grading Scale

This course is two dual-enrolled classes for a total of six college credits. No graphing calculator is allowed. Only a scientific calculator will be allowed. Students will be expected to perform mathematical calculations without the use of any type of calculator. First semester topics include college algebra, matrices, and algebraic, exponential and logarithmic functions. Second semester encompasses trigonometry, analytic geometry, and sequences and series. *Students must complete semester I with a grade of C or above in order to enroll in semester II.

AP CALCULUS

Prerequisite: Pre–Calculus with a grade of B in the course

5.0 Weighted Grading Scale

Calculus studies limits, the derivative, application of the derivative and integration, application of integration, and volumes of revolution. This course is designed to help students prepare for college level math, make connections in math courses they have studied in high school and prepare for the AP Exam. Students are expected to take the College Board AP Exam.

RISE MATH
This course provides an opportunity for selected students to build their foundational skills in order to be successful in math. These students are identified and invited by using achievement data such as SOL scores and grades. The course focus is on those skills that prove to be challenging for students and to help them become more confident, proficient, and successful in their abilities to do mathematics and be better mathematical problem solvers.

SCIENCE

EARTH SCIENCE SOL REMEDIATION
Prerequisite: Earth Science, Administration/ School Counselor Recommendation
Semester – ½ credit
This course is designed for students who have successfully completed Earth Science but have not successfully completed the accompanying Standards of Learning assessment. This course focuses on reinforcing the skills needed to pass the Virginia Standards of Learning Earth Science End of Course Test including but not limited to historical contributions in the development of scientific thoughts about Earth and space, the interpretation of maps, charts, tables, and profiles; the use of technology to collect, analyze, and report data; and the utilization of science skills in investigations. This course will utilize SOL Earth Science materials. Emphasis will be placed on familiarizing students with end of course (EOC) test format and test-taking strategies in order to maximize their scores on the accompanying Standards of Learning assessment.

BIOLOGY  

Through laboratory work, students discover the parts and processes of living things and their interactions with each other. Representative organisms from the six kingdoms are examined and unifying concepts such as cell structure, genetics, evolution, reproduction, and life characteristics are explored. The course gives students a better understanding and appreciation of their physical selves and the world around them.

HONORS BIOLOGY  

4.5 Weighted Grading Scale
The Virginia Standards of Learning designated for biology will be covered; however, students will be expected to complete in-depth study of selected topics through at least two of the following: research paper, analysis of one scientific work, and/or an experimental research project. The course will guide students through investigations of living organisms and will cover topics such as ecology, cell structure, plants, animals, and genetics.

ENVIRONMENTAL SCIENCE
The Virginia Environmental Science Course Content and Process Guidelines are designed to continue the student investigations that began in grades K-8. These outcomes integrate the study of many components of our environment, including the human impact on our planet. These outcomes focus on scientific inquiry, the physical world, the living environment, resource conservation, humans' impact on the environment, and legal and civic responsibility. Instruction should focus on student data collection and analysis through laboratory experiences and field work. These should include descriptive and comparative studies as well as investigation (i.e. meaningful watershed educational experiences). It is expected that teachers will collaborate with museums, aquaria, nature centers, government agencies, associations, foundations, and private industry in efforts to engage the community, provide diverse points of view about the management of natural resources, and offer a variety of learning experiences and career education opportunities.

AP ENVIRONMENTAL SCIENCE
5.0 Weighted Grading Scale
This course provides an in-depth study of ecosystems, matter, energy transfer and community interactions. The causes and effects of pollution, habitat destruction and resource depletion on our planet will be analyzed in detail. Students will be expected to read and write extensively while conducting a variety of research projects. Students are expected to take the College Board AP Exam.

BIOLOGY II/ECOLOGY 
Prerequisite: Biology
This course is the study of how organisms interact with each other and with the environment. Major topics to be investigated include terrestrial and aquatic ecosystems, matter and energy transfer, and community interactions. The effects of pollution, habitat destruction, and resource depletion on our planet and its organisms will also be studied.

BIOLOGY II/ANATOMY AND PHYSIOLOGY
Prerequisite: Biology
This is an introductory course to human anatomy and physiology. The course is designed to provide an in-depth overview for students interested in pursuing a medical career. It will focus on building basic knowledge and understanding of the human body and its systems. The primary area of interest will be the skeletal and muscular systems, somatic and autonomic nervous systems including spinal and cranial nerves, the cardiovascular system from blood components to the heart, and the digestive and respiratory systems. In addition, it will encompass the effects of aging and response to stress on the body and various ailments and diseases. This course will also incorporate hands-on activities and labs.

AP BIOLOGY/RESEARCH
Prerequisite: Biology II or Honors Biology
5.0 Weighted Grading Scale
The AP Biology course is designed to be the equivalent of a college introductory course for university bound seniors. The college course in biology differs significantly from the usual first high school course in biology with respect to the type of textbook used, the range and depth of the topics covered, the kind of laboratory work done by students, and the time and effort required of students. The AP Biology course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. An integral part of the course is the completion of an independent experimental research project. Students are expected to take the College Board AP Exam.

CHEMISTRY
Prerequisites: Biology, Algebra II or Honors Biology, Honors Algebra II, or currently enrolled in Algebra II
SOL Test
This course for college-bound students is based on the study of the nature and properties of matter. Aspects of chemistry to be studied include atomic structure in relation to the periodic table, types of bonds, chemical reactions, mole-based calculations, kinetic theory and gas laws. Emphasis is placed on problem-solving techniques and higher-level thinking skills. Laboratory emphasis is on learning safe lab skills, data collection and problem solving. Chemistry is a math-oriented class.

HONORS CHEMISTRY
Prerequisites: Biology, Algebra II or Honors Biology, Honors Algebra II or enrolled in Honors Algebra II
4.5 Weighted Grading Scale
SOL Test
This course provides an introduction to many chemistry concepts including the structure of matter, chemical bonding, nomenclature, chemical reactions, solutions, and acids and bases, just to name a few. To cover the broader range of topics, the Honors course moves at a faster pace than a regular chemistry class. In addition to class work, students will conduct laboratory exercises and explore topics using interactive simulations.

AP CHEMISTRY
Prerequisites: Honors Chemistry and
Honors Algebra II
5.0 Weighted Grading Scale
AP Chemistry assumes knowledge of the principles learned in Chemistry such as chemical formulas and equations, stoichiometry, polyatomic ions, solubility rules, etc. Topics such as hybridization, the molecular orbital theory, organic chemistry, chemical kinetics, chemical equilibrium, and thermo-chemistry will be introduced. Students will conduct advanced labs, prepare lab reports, complete problem sets, take unit exams, and complete an individual research project. Students should be comfortable with solving advanced mathematical concepts with and without a calculator. Problem solving strategies will be emphasized. An independent research project is required. Students are expected to take the College Board AP Exam.

PHYSICS
Prerequisite: Algebra II
This course stresses the practical application of physics. Students discover the beautiful laws of nature that underlie this world, through the study of the following topics: motion, forces, energy, electricity, magnetism, wave phenomena, and light. Students will gain an understanding of experimentation, data analysis and use of reasoning and logic to evaluate evidence.

AP PHYSICS
Prerequisite: Algebra II or Honors Algebra II
5.0 Weighted Grading Scale
AP Physics develops lab skill through inquiry-based labs that explore the underlying laws of nature. Topics covered in motion, forces, energy, waves, and electricity. These topics are taught in the context of six big ideas that weave through all of physics. This class provides students with enduring understandings that prepare them for college, a technical career, or just interpreting the world around them. Student are expected to take the College Board AP Exam.

SOCIAL STUDIES

HONORS WORLD HISTORY PART II 1500 AD TO THE PRESENT

4.5 Weighted Grading Scale

Projects, writing assignments, additional reading assignments and research are requirements of this course. Students will examine eras of western civilization from early ages to the nuclear age, and the relationship among social, economic, and geopolitical developments in the times and places in which they occurred. Students will use the process of conceptual and critical thinking to analyze historical and contemporary issues. Students are encouraged to think independently while developing group processing skills.

AP EUROPEAN HISTORY

5.0 Weighted Grading Scale

This course follows a program of study that has been reviewed and approved by the College Board of Advanced Placement Program. Students will study the history of Europe since 1450 with an emphasis on the cultural, economic, political and social developments that helped shape our contemporary world. This is intended to be a college introductory level course and, as such, students will be expected to read and analyze supplemental sources and write with clarity and synthesis of large historical themes. This course will provide students with the skills and confidence to take future AP level courses. Students are expected to take the College Board AP Exam and have the opportunity to earn college credit.

UNITED STATES & VIRGINIA HISTORY

SOL Test

This course presents in chronological sequence the political, economic, social and cultural development of life in the United States with special emphasis on life in Virginia. Units of study include the Revolutionary War, the Constitution, the Civil War, the Industrial Age, the Roaring Twenties, the Depression and Post-Depression, and America as an international power.

HONORS UNITED STATES & VIRGINIA HISTORY

SOL Test

Prerequisite: Successful completion of two of the following and each corresponding SOL assessment: World History I, Advanced World History II, AP European History

4.5 Weighted Grading Scale

This course provides a more in depth coverage of the political, economic, social and cultural development of life in the United States with special emphasis on life in Virginia. Because this course requires more extensive writing, research, and reading, it is recommended for college bound students.

AP UNITED STATES HISTORY

SOL Test

Prerequisite: Successful completion of two of the following and each corresponding SOL assessment: World History I, Honors World History II, AP European History

5.0 Weighted Grading Scale

The AP US History course follows the national AP curricula and students in this course have an opportunity to earn college credit. Students are required to read and write extensively, interpret primary sources and write document-based essays, and complete an independent research project every nine weeks. Summer reading and projects may be suggested. Students are expected to take the College Board AP Exam.

UNITED STATES & VIRGINIA GOVERNMENT

This course examines the origins and foundations of American constitutional government, the structure and powers of government on the federal, state and local levels, and the policymaking process at all levels of government. Students will also examine the electoral process, civil rights and liberties, and comparative governments and economics with special emphasis on the free enterprise system. Attention will be given throughout the course to current issues and to the development of skills and attitudes needed for effective participation in American civic life.

HONORS UNITED STATES & VIRGINIA GOVERNMENT

Prerequisite: Successful completion of three of the following and each corresponding SOL assessment: World History I, Honors World History II, AP European History, Honors US/VA History, AP US History

4.5 Weighted Grading Scale

This course is designed for college bound students. Course requirements include writing, research, and reading to prepare students for college.

AP UNITED STATES GOVERNMENT
Prerequisite: Successful completion of three of the following and each corresponding SOL assessment: World History I, Honors World History II, AP European History, Honors US/VA History, AP US History
5.0 Weighted Grading Scale
This course is designed for students who have a keen interest in American government and who desire a chance to earn college credit in high school. Students are expected to read and write with depth and understanding. Supplementary reading and writing assignments, including a summer project may be required. Students are expected to take the AP Exam.

AP SEMINAR
Grade 11
5.0 Weighted Grading Scale
AP Seminar is the first and foundational course for the AP Capstone Diploma/Certificate. It is a required course taken before AP Research. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Students will spend the academic year building a portfolio of research and preparing for the end of course exam in May.

AP RESEARCH
Prerequisite: AP Seminar
Grade 12
5.0 Weighted Grading Scale
AP Research is the second and final course for the AP Capstone Diploma/Certificate. AP Research allows students to deeply explore an academic topic, problem, or issue of interest building on the inquiry framework from AP Seminar. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In this course, students further their skills acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic research paper and a presentation with an oral defense.

CAREER AND TECHNICAL EDUCATION
PATHS OF STUDIES

The Career and Technical Education (CTE) program provides opportunities for students to discover career options available as well as providing the career pathways through high school for possible postsecondary education and/or job placement. Our staff works directly with local business and industry to ensure that our CTE programs are developing our students with the skills, credentials and technical knowledge necessary to meet the needs of our local workforce.

ECONOMICS and PERSONAL FINANCE
Recommended Grades 9-10
The focus of this course will be to assist students with learning how to successfully manage their time, money and resources to become informed citizens in a globally interdependent society. The course centers on the development of thinking skills and analysis of real world situations. Students will also study basic economic theories and principles in order to understand how economics affects our lives. Students will also concentrate on the Virginia Workplace Readiness Skills and the Wise assessment for certification.
This course is required for graduation.

BUSINESS MANAGEMENT AND ADMINISTRATION CAREER CLUSTER

PRINCIPLES OF BUSINESS AND MARKETING
Grades 9-12
This course is designed to focus on business and government roles in the economy. Students will study personal budgeting, credit, loans, bank accounts, small business opportunities and personal investments.

MARKETING
Grades 10-12
Students examine activities important for success in marketing employment and postsecondary education. Students will learn how products are developed, branded, and sold to businesses and consumers. Students will analyze industry trends and gain hands-on experiences in marketing of goods, services, and ideas. Topics will include economic issues, and the impact of technology on the marketplace. Students will also be introduced to sports and entertainment marketing in this course.

ADVANCED MARKETING
Prerequisite: Marketing
Grades 11-12
Students build on knowledge gained in a prior Marketing course. Students participate in supervisory and management activities focusing on the marketing mix, purchasing, financing, human resources, global marketing, pricing, and emerging technologies. Students will prepare for advancement in marketing careers and postsecondary education. Computer/technology applications and DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events.

ACCOUNTING
Grades 11-12
Students learn and apply the basic principles, concepts, and practices of acceptable accounting procedures using a manual system and an automated system. Students analyze transactions, prepare and interpret financial statements. Business simulations are used. Homework is given regularly and is an important part of learning the material.

ENTREPRENEURSHIP EDUCATION
Grades 10-11
This course introduces students to the exciting world of creating, owning, and launching their own business. Students will learn concepts and techniques for planning an innovative business and living the entrepreneurial lifestyle.

BUSINESS LAW
Grades 9-12
Business Law introduces students to the foundations of the American legal system as they explore economic and social concepts relating to legal principles and to business and personal laws. Topics examined include contracts, cyber law, criminal law, consumer protection, wills/estates, property law, civil law, employment law, unions, and credit obligations. Students discuss and analyze real legal cases.

OFFICE SPECIALIST
Grades 9-12
Students will develop skills in areas including keyboarding, computer applications, communication skills, and office procedures.

HOSPITALITY AND TOURISM CAREER CLUSTER

INTRODUCTION TO CULINARY ARTS
Grades 9-10
Students will be exposed to careers in the food service industry, tools and small equipment, yeast breads, and quick breads. Students will have hands- on experience in the lab. This class is an introduction to the two-year culinary arts program.

CULINARY ARTS I
Prerequisite: Introduction to Culinary Arts
Grades 10-11
Two High School Credits, yearlong
Culinary Arts I is a class that will expose students to the many facets of the food service industry. Students will be required to cook a variety of foods with a concentration on the science of baking. Students will be required to purchase a chef's coat and apron at the cost of $20.

CULINARY ARTS II
Prerequisite: Culinary Arts I
Grades 11-12
Two High School Credits, yearlong
Culinary Arts II is a progression from Culinary Arts I. Students are exposed to an intensive in-depth look at meats, poultry, fruits, and vegetable cookery. The class will also cover customer service and restaurant management. Students will be required to purchase a chef's coat and apron at the cost of $20.

HEALTH SCIENCES CAREER CLUSTER

INTRODUCTION TO HEALTH AND MEDICAL SCIENCES
Grades 10-12
Introduction to Health and Medical Sciences introduces the high school student to a variety of occupations currently offered in the health care field. Stu- dents will read about, discuss and interview personnel who are currently employed in health care positions. They will complete a project on a health career, and present their findings to classmates. A major portion of the course involves learning about the different body systems and what they do. Students also explore ways for keeping body systems healthy, and they learn how to take blood pressure, pulse and respiration. Students learn communication skills, employability skills, and professionalism. Current events related to health care research or treatments are an integral part of the course.

HEALTH ASSISTING CAREERS
Prerequisites: Introduction to Health & Medical Sciences, Biology, Chemistry
Grades 11-12
Two High School Credits, yearlong
Students will submit an application and be interviewed by nursing faculty prior to being enrolled in this course. Graduates will be required to take the Nurse's Aide certification exam at the cost of $90 or more. It is strongly recommended that only students interested in a health career apply to take this course. Because of the interaction with nursing home residents during the clinical portion of this course, a student's behavior, prior discipline record and attendance will be examined before being considered for enrollment.

EMERGENCY MEDICAL TECHNICIAN-BASIC (EMT-B)/CVCC
Dual Enrollment
Prerequisite: Grades 11 and 12, at least 16 years old; enrolled per policy for dual enrollment at CVCC; TB skin test as required by the State Board of Health; Application required.
5.0 Weighted Grading Scale
This year-long course provides basic emergency, pre-hospital care to patients involved in accidents, injuries, or sudden illness. Course consists of 110 classroom hours and 10 clinical hours to be completed outside of class. To obtain certification a student must pass EMTB course as well as state written and practical exam to be taken outside of classroom. Students are encouraged to volunteer with local EMS agencies.

SPORTS MEDICINE I
Prerequisite: Health & PE 9
Grades 10-11
This course is designed for students interested in the medical profession and athletics. The material presented will combine medical principles with the athletic setting. Specific topics will include human anatomy, injury prevention and identification, medical documentation, first aid, and rehabilitation guidelines. Special topics/current issues in health care will also be discussed. Students will participate in hands-on learning activities and be expected to perform practical skills.

SPORTS MEDICINE II
Prerequisite: Sports Medicine I
Grades: 11-12
This course is designed as an advanced look at the treatment, evaluations, and rehabilitation of athletic related injuries. Topics include and are not limited to medical considerations. The student will learn advanced first aid and life support techniques. Students will be required to work in the Athletic Training Room and may choose to assist in the coverage of practices and games.

AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER CLUSTER

INTRODUCTION TO NATURAL RESOURCES
Grades 9-10
Introduction to Natural Resources is designed as a one-year, single-period occupational preparation course. The course assists students in developing knowledge and skills required for employment in occupations in forestry and wildlife management, outdoor recreation, and air, soil, and water conservation. Because of the emphasis on different facets of natural resources management in different parts of the state, the course will vary to meet local needs and interests.

COMMUNITY FORESTRY AND TREE MANAGEMENT
Grades 10 -12
Students in this course will be instructed in the value and benefit of trees and forests in urban areas. Course content will include identifying, selecting, and caring for trees in urban areas.

FORESTRY MANAGEMENT
Prerequisite: Introduction to Natural Resources
Grades 11-12
Forestry, Wildlife, and Soil management is designed as a one-year occupation preparation course. The course includes instruction in forest protection and harvesting, fishpond ecology and management, planning and operation of a hunting and fishing preserve, wildlife ecology and management, soil and water management systems, service and operation of large power equipment, and leadership training.

ADVANCED FORESTRY MANAGEMENT/CVCC
Prerequisite: Forestry Management
Dual Enrollment with CVCC
Dual Enrollment
Grade 12
Two High School Credits, yearlong
5.0 Weighted Grading Scale
Advanced Forestry Management is an occupational preparation course offered at the twelfth grade level. Much of the instruction may be individualized. Major learning areas include processing forest products and lumber grading, and determining the feasibility of establishing, financing, and managing a business such as forestry, outdoor recreation, wildlife, or urban conservation.

TRANSPORTATION, DISTRIBUTION AND LOGISTICS CAREER CLUSTER

AUTO TECHNOLOGY I
Grades 10-11
This class is a prerequisite for entry into the 2-year, 4 credit program. The class provides a solid understanding of the fundamental theory and related science involved in the automotive industry. The course provides all students with a practical, real world automotive education. It includes 14 categories of basic automotive instruction, as well as instruction on safety, economics and employment.

AUTO TECHNOLOGY II
Prerequisite: Auto Tech I
Grades 11-12
Two High School Credits, yearlong
This class is for students who are considering a career in the automotive industry. Building on knowledge acquired in the introductory class, students will study 14 categories in great depth and will apply the knowledge in a hands-on shop environment. In this advanced class, students will begin a log book of experiences and completed competencies.

AUTO TECHNOLOGY III
Prerequisite: Auto Tech II
Grade 12
Two High School Credits, yearlong
This course is available for students who have completed the first two courses of Automotive Technology and attained program-completer status. The tasks for this capstone course represent the middle-tier standards of the National Automotive Technician's Education Foundation's (NATEF's) Automobile Service Technology accredited program. Students are provided instruction in all systems as they prepare for the ASE (Automotive Service Excellence) Student Certification.

ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER

CONSTRUCTION TECHNOLOGY
Grade 9-12
Students design and build scale or full-size structures and work with projects that help them understand the jobs of architects, carpenters, electricians, plumbers, surveyors, contractors, masons, design engineers, and a variety of other construction careers. They also explore aspects of the construction industry.

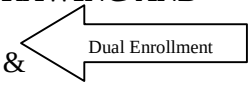
BUILDING TRADES I
Grade 10 or 11
Introduction to Building Trades I is designed to familiarize students with the construction trades and to equip them to continue in the building trades vocational cluster. A special emphasis will be placed on safety. Students will focus on careers in the building trades, operation of hand and power tools, types of building materials, measuring, construction methods, basic carpentry skills, basic electrical and plumbing theory, and wood frame construction. Fifty percent of the class time will be spent working in the shop area.

BUILDING TRADES II
Prerequisite: Building Trades I
Grades 11-12
Two High School Credits, yearlong
Building Trades II is designed to develop student skills in the Building Trades vocational cluster. Students will investigate, learn and implement construction methods on shop projects including knowledge of building materials, measuring, carpentry skills, electrical and plumbing skills and residential construction methodology. Students will earn their OSHA 10 card and prepare for the NCCER carpentry certification. A large part of the class time will be spent on projects.

TECHNICAL DRAWING AND DESIGN
Grade 9-11
In this foundation course, students learn the basic language of technical design, while they design, sketch, and make technical drawings, illustrations, models, or prototypes of real design problems. Students develop spatial ability as they apply mathematical concepts to visual representations. The course is especially recommended for future engineering and architecture students.

ENGINEERING DRAWING AND DESIGN
Prerequisite: Technical Drawing and Design
Grades 10-12
Students use a graphic language for product design, technical illustration, evaluation of designs, and engineering drawings. They increase their understanding of drawing techniques learned in the prerequisite course. Students use computers, calculators, and descriptive geometry and adhere to established standards to solve design problems. They work in teams to design solutions for an identified need.

ARCHITECTURAL DRAWING AND DESIGN
Grades 10-12
Prerequisite: Technical Drawing and Design
Students explore architectural design foundations and increase 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. Through producing models and illustrations of all aspects of a building, students crate architectural design solutions using Computer Aided Drafting and Design (CADD).

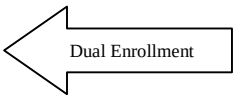
ADVANCED ENGINEERING DRAWING AND DESIGN/CVCC


Prerequisite: Engineering Drawing & Design and Architectural Drawing & Design
Grades 11-12
Two High School Credits, yearlong
5.0 Weighted Grading Scale
Students use a graphic language for product design and technical illustration. They increase their understanding of drawing techniques learned in the prerequisite courses. They research design-related fields while identifying the role of advanced drawing and design in manufacturing and construction industry processes. They apply the design process, analyze design solutions, reverse engineer products, create 3-D solid models using CADD, construct physical models, and create multimedia presentations of finished designs. They complete a work portfolio based on a chosen graphic project.

MANUFACTURING CAREER CLUSTER

WELDING I
Grades 10-11
This is an introduction to the two-year welding program. Students will be exposed to oxygen and acetylene welding, brazing, hard facing, and oxyacetylene cutting with exposure to the other welding and cutting processes taught in the Welding I and II programs.

WELDING II
Prerequisite: Welding I
Grades 11-12
Two High School Credits, yearlong
Welding II is a one-year occupational preparation course in which instruction is provided in electrode manipulation skills for shielded metal arc welding process. Students will be taught to read blueprints, weld symbols and weld procedure sheets, as well as Oxyfuel and plasma burn, both manual and semiautomatic process. Students will earn their OSHA 10-hour safety card and prepare for the NCCER welding certification. The American Welding Society (AWS) performance certification test for Shielded Metal Arc Welding will be offered at the end of the year to those prepared to take it.

WELDING III/CVCC


Prerequisite: Welding II
Grade 12
Two High School Credits, yearlong
5.0 Weighted Grading Scale
Welding III is a one-year occupation course which provides opportunity to learn advanced Shielded Metal Arc Welding, basic Gas Metal Arc Welding (MIG), and basic Gas Tungsten Arc Welding (TIG). These processes will be used in welding mild steel, stainless steels, and aluminum materials and Flux Core Arc Welding. Welding theories, metallurgy and industry practices will be taught. Students will apply knowledge and skills to group and class projects. Students will continue to prepare for the NCCER welding certification and sit for the exam at the end of the school year. Students that are successful can earn SOL credit applied to their graduation requirements. Additional American Welding Society (AWS) performance certification tests will be offered in SMAW, FCAW, GMAW and GTAW to those prepared to take them. This course can be taken for dual enrollment at CVCC.

ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS CAREER CLUSTER

COMMUNICATIONS SYSTEMS
Grades 9-12
This course provides experiences in the fields of imaging, technology, graphic productions, video and media, technical design, and various modes of communicating information through the use of data. Students develop critical thinking and problem solving skills using the universal systems model. Students also learn about the impact of communication on society and potential career fields relating to communications. Students learn to use image-editing software to manipulate digital images.

IMAGING TECHNOLOGY

Prerequisite: Communication Systems
Grades 10-12
Imaging Technology introduces students to the basic principles of photography, while providing a strong emphasis on digital imaging. Students study the development of photography as a communication medium and its evolution into the digital realm. Students learn to use image editing digital software to manipulate digital images.

DIGITAL VISUALIZATION

Grades 9-12
Students gain experiences related to computer animation by using graphics and design concepts. Students solve problems involving 3-D object manipulation, storyboarding, texturing/mapping, lighting concepts, and environmental geometry. Students create a variety of animations that reflect real-world applications and are introduced to interactive and 3-D animation software. Production of a portfolio showcasing examples of original student work is included.

VIDEO & MEDIA TECHNOLOGY

Prerequisite: Digital Visualization
Grades 10-12
This course offers students a hands-on opportunity to study all aspects of video and media production. Students will conceptualize, plan, and contribute through all production phases: preproduction, production, and postproduction. In addition, students will practice various methods of gathering and recording information and creating novel content to create a variety of video and media productions while operating studio editing software and video and audio equipment.

INFORMATION TECHNOLOGY CAREER CLUSTER

DIGITAL APPLICATIONS

Grades 9-12
Students develop or review correct keyboarding techniques and gain a basic knowledge of word processing, spreadsheet, database, graphics, and telecommunications applications. Students demonstrate an understanding of computer concepts through application of knowledge. Students learn to use software packages and local and worldwide network communications systems. Learning are incorporated and reinforced in this course.

COMPUTER INFORMATION SYSTEMS

Prerequisite: Digital Applications
Grades 9-12
Students learn and apply business applications using spreadsheets, graphics, databases and word processing. Keyboarding speed of 25 words per minute and the successful completion of Algebra I is recommended.

CYBERSECURITY FUNDAMENTALS

Grades 9-12
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, 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.

CYBERSECURITY SYSTEMS TECHNOLOGY

Prerequisite: Cybersecurity Fundamentals
Grades 10-12
Students enter the world of computer technology and gain practical experience in assembling a computer system. Students will install, configure and secure various operating systems. Students will trouble shoot computers and peripherals and use system tools and diagnostic software. They develop skills in computer networking and resource sharing. In addition, students explore the relationships between internal and external computer components. Upon successful completion of the course students may qualify to take a credential certification exam.

ADVANCED CYBERSECURITY SYSTEMS TECHNOLOGY

Pending CVCC approval for Dual Enrollment
Prerequisite: Cybersecurity Technology System
Grades 11-12
Two High School Credits, yearlong
Students will gain a basic understanding of merging technologies including unified communications, mobile, cloud, and virtualization technologies. The course prepares students for postsecondary education and training and a successful career in information technology. Upon successful completion of the course students may qualify to take CompTIA's A+ and Network + certification exams.

EDUCATION AND TRAINING CAREER CLUSTER

TEACHERS FOR TOMORROW I
Grades 10-11
Virginia Teachers for Tomorrow fosters student interest, understanding, and appreciation of the teaching profession and allows secondary students to explore careers in education. Students build a foundation for teaching; learn the history, structure and governance of teaching; apply professional teaching techniques in the Virginia Teachers for Tomorrow classroom and field experience; and reflect on their teaching experiences.

TEACHERS FOR TOMORROW II
Prerequisite: Teachers of Tomorrow I
Grades 11-12
Students continue to explore careers in the Education Training Cluster and pathway. This course provides the opportunity for students to prepare for careers in education as they research postsecondary options, learn about the process of teacher certification in Virginia, and participate in a practicum experience.

WORK-BASED LEARNING PROGRAM
Prerequisite: Grade 12 Only
This course is designed to provide students with work based learning experiences through partnerships with employers and community or governmental organizations in an area of serious career interest. A written plan of objectives, activities and evaluation must be developed at the beginning of the internship and agreed to by students, parents, employers, the internship director, a school counselor and principal. Students will be required to meet periodically with the work based learning coordinator to discuss and complete activities involving work place readiness skills. Students may choose to take the Work Place Readiness Credential while in this program. Course is offered as a local elective only.

EDUCATION FOR EMPLOYMENT I
Grades 9-12
This course teaches students to make informed career and continuing education choices as they transition from school, gain technical skills, and adapt to the workplace. Students are taught ethical behaviors and career research, job-acquisition, workplace-communication, self-awareness, self-advocacy, customer-service, and life skills. This course offers students integrated labor market needs through an applied employment education format.

SUCCESS AT WORK (AEC Only)
Students study basic management concepts and leadership styles as they explore business ownership, planning, operations, marketing, finance, economics, communications, the global marketplace, and human relations. Quality concepts, project management, problem solving, and ethical decision making are an integral part of the course.

GENERAL ELECTIVES

ART

Students are required to provide their personal supplies; instructional materials will be provided by the instructor. Supply lists can be found on the school website.

ART I
Grades 9-12
This is an introductory class that will cover the basics of art and design. The curriculum will cover basic art vocabulary, an overview of art history, and studio arts. Students will work on drawings, paintings, print making, photography, and ceramics.

ART II
Prerequisite: Art 1 or Ceramics 1
Grades 10-12
This course will build upon Art 1 skills developing artists that create meaningful works of art. The curriculum will continue to cover art vocabulary, art history, and studio arts; with a focus on finding meaning with personal and historical artworks. Students will start a basic art portfolio of four artworks.

AP ART HISTORY
Prerequisite: World History with an average of at least B+.
Grades 10-12
Explore the history of art across the globe from prehistory to the present. You'll analyze works of art through observation, discussion, reading, and research.

AP ART 2-D
Prerequisite: Art 2 with an average of at least C+, and a portfolio submission.
Grades 11-12
Students will continue to focus on refining skills and adding to their portfolio. Students will continue to work on creating art that is personal and reflective. The student will develop skills in two-dimensional mediums such as graphic design, photography, collage, printmaking, and others as you learn the principles of 2-D design. Students will create artwork that reflects your own ideas and skills and what you've learned. Students will follow a curriculum that allows them to explore media, as well as class assignments that challenge their abilities.

CERAMICS I
Grades 9-12
Students will use clay to create a variety of different projects. They will learn various hand-building techniques to construct their projects and will explore many surface-decorating methods for the finish of the projects.

CERAMICS II
Prerequisite: Ceramics I
Grades 9-12
Students will build on previously learned skills by designing and constructing more advanced clay projects. They will employ greater exploration of hand-building techniques and use of the potter's wheel. A wider variety of surface-decorations and firing methods will be explored.

ART APPRECIATION
Grades 9-12
Art Appreciation is a survey course designed to increase recognition and understanding of the visual arts from a global perspective. Students focus on identifying and interpreting works of art within cultural and historical contexts from prehistoric to contemporary, including a deeper look into the work of highlighted artists. This course provides a variety of lessons and activities offering choices for student engagement and content retention. There is no studio requirement; course emphasis is on increasing fluency in art criticism.

COMPUTER PROGRAMMING

COMPUTER SCIENCE – VISUAL BASIC
Prerequisite – Completion of Algebra II with a minimum grade of C and a passing score on the Algebra II SOL test *or* enrolled in Honors Algebra II
Grades 10-12
This course is designed for students who have a working knowledge of the basic principles of Algebra. Students will learn the history of computational systems and the social and ethical implications of computers. They will be introduced to micro-computers and the Visual Basic programming language which is an object-oriented programming language used to create Windows, Web and command-line (console) applications. Fundamental programming concepts, including variables, conditional control structures, loops, procedures, arrays, structures, enumerated types, classes, and files are covered. Students will design and code programs using good problem-solving skills and good programming structure and will develop skills in working both mathematical and non-mathematical problems. No previous programming experience is required.

COMPUTER SCIENCE – C++
Prerequisite –Visual Basic.NET with a minimum grade of C+ *or* math department recommendation
Grades 11-12
Programming offers students an invaluable opportunity to develop problem-solving skills. This course is an introduction to C++, an object-oriented language. Students will use logical thinking in defining a problem, breaking it down in a series of smaller problems and writing programs to solve the problem using structured programming techniques and program development methodology. Students will learn the fundamentals of the language and design, code, test and debug programs. Topics include data structures, functions, classes and objects, arrays and structures, streams and files, classes and objects, decision structures, mathematical functions, recursion, and many more. Structured programming and the testing of programs will be stressed.

ENGLISH ELECTIVES

SPEECH
Grades 9-12
Content includes instruction and practice in clarity of oral expression, logical reasoning, and proper organization of material. The students will learn to prepare and deliver speeches.

ADVANCED SPEECH
Prerequisite: Speech
Grades 10-12
The course is designed to enhance and refine skills learned in Speech. The focus will be on advanced skill levels in oral expression, logical reasoning, and organization. The students will prepare and deliver formal presentations.

CREATIVE WRITING
Grades 9-12
This course focuses on student writing. Emphasis is placed on publishable work including poetry and short stories. This course may be repeated for credit.

MYTHOLOGY
Grades 9-12
Content includes study of classical mythology, as well as Norse, Celtic, and Egyptian myths and legends. Also covered in the course are fairy tales, American Indian mythology, and legends of King Arthur.

COLLEGE PREP
Prerequisite: Students should have completed English 9, English 10, and Geometry
Grade 11
This class is divided into two 9-week blocks. There will be 9 weeks of verbal preparation and 9 weeks of math preparation for SAT and ACT. Emphasis will be placed on improving scores of the SAT/ACT. Algebra I and Geometry will be reviewed. Concepts are reviewed, not introduced. This course is for college bound 11th grade students.

PUBLICATIONS

YEARBOOK
Prerequisite: An application is required.
Grades 9-12
Students should have proficient writing skills and have successfully completed previous English classes. The content includes preparation, design, editing and publication of the yearbook. This course may be repeated for credit.

JOURNALISM I
Prerequisite: Students should have proficient writing skills.
Grades 9-12
This course is an introduction to the news media. Study includes the history of the press and censorship. Emphasis will be placed on writing articles for publication.

JOURNALISM II
Prerequisite: Students should have proficient writing skills.
Grades 10-12
This course will provide a more in-depth experience in news media. Study includes the history of the press and censorship. Emphasis will be placed on writing articles for publication. This course may be repeated for credit.

MUSIC

All band classes at the high school are performance oriented. Participation in performances and rehearsals outside school hours is required. Non-band students are eligible to try out for marching band as flag corps members.

Chorus classes at the high school include both introductory and performance oriented programs. Several activities require participation in performances and rehearsals outside school hours.

CONCERT BAND
Prerequisite: Completed Middle School Band
Grades 9-12
This course is open to students who have completed the middle school band program. If not, students must audition or have the recommendation of the band director to enroll. The primary focus of this course is on the performance of Grade 4 concert music. This course may be repeated for credit.

WIND ENSEMBLE
Prerequisite: Audition
Grades 9-12
This class will focus on advanced music and members will be required to participate in the marching band. This course may be repeated for credit.

JAZZ ENSEMBLE
Grades 9-12
This course is open to students who have completed the middle school band program. If not, students must audition or have the recommendation of the band director to enroll. The primary focus of this course is on the jazz performance. We will learn and study styles complementary to the jazz band. Some after school rehearsals will be required. This course may be repeated for credit.

PERCUSSION CLASS (Drums and Mallets)
Prerequisite: Play percussion in the middle school band (drums). Grades 9-12
The class will focus on marching, concert and percussions ensemble music. This course may be repeated for credit.

BEGINNING VOICE STUDIO
Grades 9-12
Vocal techniques are taught in an individual and small group setting as a healthy foundation for solo performance in both classical and non-classical singing styles. Students also develop the skills to analyze a musical performance (i.e. tone production, characterization and expressive elements).

INTRODUCTORY MUSIC THEORY
Prerequisite: Beginning Piano
Grades 9-12
This course is for students who want to have a basic knowledge of music. It will involve the reading, studying, and analyzing of music. A workbook and staff paper will need to be purchased for this class. Prior musical experience is helpful but not necessary.

ACHS CHORUS
Grades 9-12
This is a general music/chorus workshop class offered to the student who enjoys singing but may not have extensive performing experience or the time to participate in many extracurricular concerts. Singing and performance techniques, including choreographed movement, beginning theory and analysis of music, and a general overview of music development through history will be studied. Careers in music will also be explored. Participation in a concert performance may be a requirement for the class grade. This course may be repeated for credit.

ADVANCED WOMEN'S ENSEMBLE
Prerequisite: Audition
Grades 9-12 female students
This class can be repeated for credit. Vocal and choreographed movement techniques will be a main emphasis of study, and will be developed through the use of different styles of music arranged for female voices. Time will be given to the study of music theory, analysis, history and careers, particularly as they affect the studied repertoire. Participation in extracurricular performances is a requirement for the class grade. This course may be repeated for credit.

BELLES OF AMHERST
Prerequisite: Audition
Grades 9-12 female students
This class can be repeated for credit. Vocal and choreographed movement techniques will be a main emphasis of study, and will be developed through the use of different styles of music arranged for female voices. Time will be given to the study of music theory, analysis, history and careers, particularly as they affect the studied repertoire. Participation in extracurricular performances is a requirement for the class grade. This course may be repeated for credit.

AMHERECHOS
Prerequisite: Audition
Grades 9-12
An audition is necessary for this advanced-level choir. Choreographic and performance techniques for concert and show choir will be the main emphasis of study. Time will be given to the study of music theory, analysis, history and careers particularly as they affect the studied repertoire. Participation in all concerts will be a mandatory part of the grade. This course may be repeated for credit.

SOCIAL STUDIES ELECTIVES

LAW RELATED EDUCATION
Grades 10-12
An opportunity is given for students to become actively involved with the legal community. Guest speakers inform the students of their legal responsibilities and then students take part in a mock trial. Students also become familiar with their legal rights as consumers.

SOCIOLOGY
Grades 10-12
Sociology is the scientific study of human society and social behavior. In this elective, students will become familiar with the basic concepts in sociology and the basic principles of sociological research. Topics include, but are not limited to: culture, social groups, socialization and personality development, social change, crime, and major social institutions such as family.

COMPARATIVE RELIGIONS
Grades 9-12
The course provides an overview of the world's religions. Students will not only examine the history and spread of religions, but will also learn about the beliefs, symbols, and distinguishing features of each. Among the religions studied in this class are Hinduism, Jainism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Judaism, Christianity, Islam, Sikhism, as well as other religious movements.

AFRICAN AMERICAN STUDIES
Grades 9-12
This is a new course available in conjunction with the Virginia Department of Education. This course is a survey of African American history from 1620 to the present. Topics that students will explore include, but are not limited to: the cultural, political and economic impact of slavery; segregation, the struggle for political, social and economic equality; and the status of African Americans in contemporary America. Emphasis will be given to the contributions of Africans and African Americans to the cultural development of the United States. Student presentations and internet activities will supplement teacher prepared lessons.

WORLD AFFAIRS
Grade: 9
This elective course is strongly encouraged for students who wish to enhance the skills needed to succeed in social studies courses on the high school level as well as become informed citizens in a global society. Students will analyze current issues as they examine people, places, and environments throughout the world. A variety of resources and technologies will be utilized with emphasis on developing critical thinking skills.

THEATRE

INTRODUCTION TO THEATRE & PLAYWRITING
Grades 9-12
This course will include the basic writing standards for creating a one-act play including a focus on character, setting, and plot. The course will also cover the basic pedagogy of theatre terminology. There will be a focus on performance as much as possible in a 21st-century virtual classroom.

DRAMA
Grades 9-12
This course will introduce the student to all aspects of theatre, theatre jargon, production practices, and theatre games, formal presentations, and technical theatre. This course may be repeated for credit.

THEATRE ARTS
Prerequisite: Drama
Grades 9-12
This intermediate course involves improvisation, theatre history, and performance. The student will perform formal scenes and participate in peer assessment. The course will focus on the study of famous actors, playwrights, and directors. This course may be repeated for credit.

ADVANCED THEATRE ARTS
Prerequisite: Drama and Theatre Arts; **Audition is required**
Grades 10-12
This course concentrates on direction, set design, and theatre theory. Content also includes scene and advanced acting skills. This course may be repeated for credit. This course may be repeated for credit.

TECHNICAL THEATRE
Grades 9-12
This class will focus on the technical aspects of a production. Students will learn the responsibilities of stage managing, lighting, set design, carpentry, electricity, props and grip. The course will allow students to explore the opportunities available in theatre.

TECHNICAL THEATRE II
Prerequisite: Technical Theatre I
Grades 9-12
Students will be involved in the technical aspects of theatre with a more concentrated study of design concepts. Students design and implement their set creation, light plot, or sound plot to be a practical application used in productions at Amherst County High School. This course may be repeated for credit.

ACTING AND SCREENWRITING FOR THE CAMERA
Grade 12
This course will focus on the development of film from start to finish. It will meet the needs of 21st century students by teaching them current screenwriting and film making techniques and vocabulary. The course will implement brainstorming ideas through improvisation and sketch comedy that will lead to a digital short with a polished competition piece. The course will be by audition and interview with an application process. The culminating activity for the course will be to create a film for the VHSL film festival and publicity for school wide events.

HEALTH AND PHYSICAL EDUCATION

STRENGTH AND CONDITIONING I
Grades 9-12
This course is designed to improve student knowledge about fitness and training. This level is designed for the beginner in weight training technique, running form, core/balance exercises and flexibility training. The course focuses on improving body composition, instruction on correct technique and improving overall safety within a weight training program.

STRENGTH AND CONDITIONING II
Prerequisite: Strength and Conditioning I
Grades 9-12
This is an advanced level course with major emphasis placed on maximizing the student's overall athletic development and to reduce the risk of injury. The course focuses on improving body composition, instruction on correct technique and improving overall safety within a weight training program. This course may be repeated for credit.

THE SCHOOL COUNSELING PROGRAM

The developmental school counseling program is multidisciplinary, requiring collaboration and teamwork. Although counselors plan, direct, and carry out most of the school and counseling activities, the responsibility for the success of the program is shared with teachers, administrators, supervisors, parents, and members of the community.

The counselors invite questions, comments and input from parents and/or guardians involved in the educational and personal development of students. For the 2021-2022 school year, school counselors at the high school will be assigned utilizing an alpha distribution of the student population according to last name.
Schedule changes are allowed **only** in the following situations:

1. An error in the schedule
2. A decision to take a more advanced course after consulting with a school counselor
3. An unusual circumstance such as an injury

Please contact any member of the school counseling department at 946-2815.

Amherst County High School Counseling Department

A-C	Ms. McCrea, Lead Counselor	mmcrea@amherst.k12.va.us
D-J	Ms. Meade	pmeade@amherst.k12.va.us
K-Ro	Ms. Clark	lclark@amherst.k12.va.us
Ru-Z	Ms. Thomas	kthomas@amherst.k12.va.us
Secretary	Ms. Sandidge	psandidge@amherst.k12.va.us

Amherst Education Center

	Ms. Stanbery	astanbery@amherst.k12.va.us

Amherst Middle School

	Ms. Maddox	kmaddox@amherst.k12.va.us

Monelison Middle School

	Ms. Goins	kgoins@amherst.k12.va.us
	Mr. Apperson	japperson@amherst.k12.va.us

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT
(FERPA)

FERPA is a federal law that gives parents the right to review their child's education record and to request changes under limited circumstances. To protect the child's privacy, the law generally requires schools to ask for written consent before disclosing the child's personally identifiable information to individuals other than the parent.

FERPA defines "directory information" as information contained in a student's education record that generally would not be considered harmful or an invasion of privacy if disclosed. Directory information could include: name, address, date and place of birth, dates of attendance and grade level; participation in officially recognized athletics and sports; weight and height of members of athletic teams; degrees, honors and awards received or the most recent school attended.

A school may disclose directory information to anyone, without consent, if it has given parents general notice of the information it has designated as "directory information" the right to opt out these disclosures; and the period of time they have to notify the school or their desire to opt out.

NON-DISCRIMINATORY STATEMENT

The Amherst County Public Schools Board of Education provides equal academic age appropriate opportunities for all students and does not discriminate on the basis of race, color, national origin, sex or disability in its programs and activities, as required by Title VI, Title VII, Title IX, and Section 504. Mr. Josh Neighbors, Director of Student Services is the division's Section 504 Coordinator and Mr. Jim Gallagher, Chief Human Resources Officer, is designated as the Compliance Officer responsible for assurances of non-discrimination. Mr. Gallagher and Mr. Neighbors may be reached at the following address: PO Box 1257, Amherst, VA 24521, and telephone number (434) 946-9386.

Dr. Hollie Jennings is the Division Supervisor of Discipline and Compliance responsible for the fair and equitable implementation of the Division's discipline policies. She can be reached at the following address: 219 Trojan Lane, Madison Heights, VA 24572, and telephone number (434) 528-6485.

The school system is committed to providing a learning environment which reflects the racial, gender and cultural diversity of our county and the children we serve. We are dedicated to equality of opportunity.