NELSON COUNTY HIGH SCHOOL

PROGRAM of STUDIES 2024-2025

SCHOOL COUNSELING MISSION STATEMENT:
Nelson County High School Counseling's mission is to work with students, families, and colleagues by providing a comprehensive and developmentally age-appropriate school counseling program that is aligned with the Virginia State Standards and ASCA National Model to support the academic, career, and personal/social development experiences that enhance school success, promote lifelong learning, and prepare students to become contributing citizens in society.

SCHOOL COUNSELING VISION STATEMENT:
Nelson County High School Counseling's vision is to advocate for students by implementing programs and interventions directing towards development of social, emotional, career and academic skills needed to be engaged, well-rounded, socially conscious citizen with the confidence and resilience to reach his or her personal and professional goals in the 21st century.

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SCHOOL CODE: 471260
https://www.nelson.k12.va.us/o/nchs

Dear NCHS Students and Parents,

Welcome to the beginning stages of planning for the 2024-2025 academic year at Nelson County High School (NCHS). Each year, you choose courses for the following year that reflect your interests, future preparation, and goals for your post high school plans.

This Program of Studies includes essential information about graduation requirements and a description of courses and other educational opportunities offered at NCHS. It presents a wide range of information needed to select courses, which will prepare you for college and work. In selecting courses for your schedule, it is important to consider your academic and career interests and strengths, as well as your goals and plans after high school.

It is imperative that students and parents carefully review the Program of Studies when selecting courses. Once you have made your course selections, we are then able to determine our staffing needs and schedule classes for next year.

You are encouraged to challenge yourself in your high school education towards attaining your diploma. Take advantage of the course options that are outlined in the Program of Studies and prepare yourself for the future. Empowerment, education, and excellence are our goals for you!

Sincerely,

Kevin Walker, Principal, kjwalker@nelson.k12.va.us
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Scheduling Process

Students meet with a school counselor each year to review their academic progress and select requested courses for the following year. Students are encouraged to schedule additional meetings with their counselor as needed. The master schedule is not created until after course requests have been submitted, therefore it is not possible to predict whether a student's schedule will accommodate all of his/her requests. Students are encouraged to select up to two alternate elective courses in the event their first choices are not available. Alternate choice selections are not ranked in order of preference. Students **should not** select a course they are not interested in taking.

To ensure the best choice of courses, all selections should be given careful consideration. Parental input is very important and welcomed. English, math, science, and world language teachers will provide recommendations for each student. Students will be placed in courses which reflect their ability level, interests and goals. In some instances, all requests cannot be granted based on scheduling conflicts and students may have to enroll in alternative courses than their original course selections/recommendations.

A parent/guardian's signature is **required** on the registration form.

Schedule Changes
Schedule change requests are accepted during the first three (3) days of the fall semester and the first three (3) days of the spring semester. A parent/guardian's signature is required for all student-initiated schedule changes. Schedule changes will be considered, but they will **not** always be granted.

Schedule changes will only be made under the following circumstances:

- Failure of a course that is a prerequisite for a scheduled course or graduation requirement;
- Human or computer error;
- Change in a program of studies;
- Balancing class size.

If a course is dropped after the first three (3) days of the fall semester and the first three (3) days of the spring semester, a "WF" (withdraw failing) will be recorded and this "F" will be included when calculating rank. An exception of this would be made in extenuating circumstances such as hospitalization, a prolonged illness, or administrative decision. This requires the principal's permission and parent/guardian's signature.

Due to the tuition cost of dual enrollment courses offered through Piedmont Virginia Community College (PVCC), a student who fails or withdraws from these courses will be assessed the cost of the course.

Students who fail or withdraw after the twenty-one (21) day deadline from Virtual Virginia Advanced Placement (AP) courses will be assessed a fee of $75.

Second semester schedules are tentative and subject to change.

Academic Policies

Course Credit
Most courses are offered only as one credit. Yearlong courses are awarded two credits which will reflect on the student's transcript at the end of the academic year, unless otherwise specified.

Maximum Credit
Students may earn up to eight (8) credits, but no more than eight credits in a school year. In extenuating circumstances, the principal may grant a waiver to this rule. This option is only available to eligible students in grades 11-12.

Grade Level Promotion

Grade 10: 6 credits
Grade 11: 14 credits
Grade 12: 19 credits

Please Note: A student must go through the normal progression of four years of high school before graduation unless extenuating circumstances warrant an exception.

Grading System
Beginning with the 2013-2014 academic years, Nelson County Public Schools adopted a ten-point grading scale. All grades are reported in letter form.

A+ = 98-100	A = 93-97	A- = 90-92
B+ = 87-89	B = 83-86	B- = 80-82
C+ = 77-79	C = 73-76	C- = 70-72
D+ = 67-69	D = 63-66	D- = 60-62
F	59 & below	
I	Incomplete	
P	Pass	
W	Withdrawal	
WF	Withdrawal Failure	

Grade Point Average (GPA)
Grade Point Average is the average of all final grades in high school subjects (and middle school subjects that receive high school credit).

Quality Point Assignments
Specific courses receive either one or two additional quality points that are factored into a student's GPA. All Advanced Placement and Dual Enrollment courses receive two additional quality points and honors courses receive one additional quality point. Please see pages 14 and 15 for specific courses.

Class Rank
Class rank is based on GPA and will be determined at the end of the junior year for purposes of sending transcripts to colleges. The final rank will be calculated at the end of the senior year for valedictorian, salutatorian, and honor graduates.

Honor Roll
In order to earn Honor Roll, students must take three or more classes in a semester. There are two Honor Rolls: students earning all "As" and students who do not receive a grade below a "B."

Permission to Go Against Teacher/Course Recommendation
Students who wish to enroll in a course that fails to meet the grade prerequisite or match a teacher's recommendation may do so with parental or guardian consent. Students must submit the course recommendation override form to their respective school counselor. However, the schedule adjustment will only be made if there is room in the course.

Athletic Participation
In order to be eligible to participate in Virginia High School League (VHSL) activities, students must be enrolled in a minimum of three classes each semester. Students must also have passed a minimum of three credit classes in the preceding semester. First semester 9th graders are eligible on the basis of their promotion from the 8th grade the previous semester. Seniors considering Early Release or taking classes at PVCC are responsible for checking with School Counseling or the Athletic Director to make certain that it will not affect their eligibility.

Graduation Requirements

Community Service
Students must complete a minimum of **ten community service hours** to satisfy NCHS graduation requirements. There are a variety of options in order to meet each student's strengths, interests, and aspirations.

Standards of Learning (SOL)
Verified credits are earned by passing the course and the Standards of Learning (SOL) end-of-course test. SOL tests are available in the following subject areas:

English: English 11 Reading & English 11 Writing
(Writing is comprised of two parts: multiple choice & short paper)

Math: Algebra I; Geometry; Algebra II

History/Social Studies: World History I; World History II; World Geography; VA & US History

Science: Earth Science; Biology; Chemistry

ADVANCED STUDIES DIPLOMA

Minimum Standard & Verified Credit Requirements - Please see the chart below.

Discipline Area	Standard Credits	Verified Credits: Graduation 2022 & beyond
English	4	2
Mathematics [Note 1]	4	1
Laboratory Science [Note 2]	4	1
History & Social Sciences [Note 3]	4	1
World Languages [Note 4]	3	0
Health & Physical Education	2	0
Fine Arts or Career & Technical Education	1	0
Economics and Personal Finance	1	0
Electives [Note 5}	6	0
Student Selected Test [Note 6]	0	0
Total	29	5

- **Successfully complete one virtual course, which may be non-credit bearing.**

NOTE 1

- Courses completed to satisfy this requirement shall include at least three different course selections from among: Algebra I, Geometry, Algebra II, or other mathematics courses above the level of Algebra II. Courses will need to be approved to satisfy this requirement annually.

NOTE 2

- Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: Earth Sciences, Biology, Chemistry, or Physics.

NOTE 3

- Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and two courses in World History I, World History II or World Geography.

NOTE 4

- Courses completed to satisfy this requirement shall include three years of one language or two years of two languages.

NOTE 5

- Course to satisfy this requirement shall include at least two sequential electives
  - Sequential electives may be in any discipline as long as the courses are not specifically required for graduation.
  - Courses used to satisfy the one unit of credit in a fine arts or career and technical education course may be used to partially satisfy this requirement.
  - An exploratory course followed by an introductory course may not be used to satisfy the requirement.
  - An introductory course followed by another level of the same course of study may be used.
  - Sequential electives do not have to be taken in consecutive years.

NOTE 6

- A student may utilize additional tests for earning verified credit in computer science, technology, career or technical education, economics or other areas as prescribed by the Nelson County School Board in 8 VAC 20-131-110.

STANDARD DIPLOMA

Minimum Standard & Verified Credit Requirements - Please see the chart below.

Discipline Area	Standard Credits:	Verified Credits: Graduation 2022 & beyond
English	4	2
Mathematics [Note 1]	3	1
Laboratory Science [Notes 2 & 6]	3	1
History & Social Sciences [Notes 3 & 6]	3	1
Health & Physical Education	2	0
World Language, Fine Arts or Career & Technical Education [Note 7]	3	0
Economics and Personal Finance	1	0
Electives [Note 4]	8	0
Student Selected Test [Note 5]	0	0
Total	27	5

- **Successfully complete one virtual course, which may be non-credit bearing.**
- **Earn a Board of Education approved career and technical education credential.**

NOTE 1

- Courses completed to satisfy this requirement shall include at least three different course selections from among: Algebra I, Geometry, Algebra II, or other mathematics courses above the level of Algebra II. Courses will need to be approved to satisfy this requirement annually.

NOTE 2

- Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: Earth Sciences, Biology, Chemistry, or Physics.

NOTE 3

- Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and two courses in World History I, World History II or World Geography.

NOTE 4

- Courses completed to satisfy this requirement shall include three years of one language or two years of two languages.

NOTE 5

- Course to satisfy this requirement shall include at least two sequential electives
    - Sequential electives may be in any discipline as long as the courses are not specifically required for graduation.
    - Courses used to satisfy the one unit of credit in a fine arts or career and technical education course may be used to partially satisfy this requirement.

- An exploratory course followed by an introductory course may not be used to satisfy the requirement.
- An introductory course followed by another level of the same course of study may be used.
- Sequential electives do not have to be taken in consecutive years.

NOTE 6

- A student may utilize additional tests for earning verified credit in computer science, technology, career or technical education, economics or other areas as prescribed by the Nelson County School Board in 8 VAC 20-131-110.

NOTE 7

- Credits earned for this requirement shall include one credit in fine or performing arts, world language or career and technical education.

Other Diploma and Certificate Programs

- **Applied Studies Diploma**: Requires the completion of all goals and objectives of the student's Individual Educational Plan (IEP). Students pursuing the Applied Studies diploma complete a combination of academic and vocational programs as determined by the IEP team.
- **Certificate of Program Completion**: Awarded to students who have completed the NCHS prescribed Program of Studies for the advanced studies or standard diploma, but who have not successfully passed the required number of verified credits (SOL tests). Students may continue to take the necessary SOL test(s).
- **GED Certificate of Achievement**: Awarded to students who have successfully completed the Individual Student Alternative Education Plan (ISAEP) program (refer to page 45).

Diploma Seals

Students who demonstrate academic excellence may be eligible for one or more of the following awards: The Nelson County School Board recognizes the following diploma seals:

- **Governor's Seal** shall be awarded to students who complete the requirements for an Advanced Studies Diploma with an average grade of "B" or better and successfully complete college-level coursework that will earn the student at least nine transferable college credits in Advanced Placement (AP), International Baccalaureate (IB), Cambridge, or dual enrollment courses.
- **Board of Education Seal** shall be awarded to students who complete the requirements for a Standard Diploma or Advanced Studies Diploma with an average grade of "A."
- **Board of Education's Career and Technical Education Seal** shall be awarded to students who earn a Standard Diploma or Advanced Studies Diploma and complete a prescribed sequence of courses in a career and technical education (CTE) concentration or specialization that they choose and maintain a "B" or better average in CTE courses; or pass an exam that confers certification from a recognized industry, trade, or professional association; or acquire a professional license in a career and technical field.
- **Board of Education's Seal of Advanced Mathematics and Technology** shall be awarded to students who earn either a Standard Diploma or Advanced Studies Diploma and satisfy all mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified credits) with a "B" average or better, and either pass an examination for certification from an industry, trade, or professional association; acquire a professional license in a career and technical field from the Commonwealth of Virginia; or pass an examination approved by the Nelson County School Board that confers college-level credit in a technology or computer science area.

- **Board of Education's Diploma Seal for Science, Technology, Engineering, and Mathematics (STEM)** is awarded to students who earn either a Standard Diploma or an Advanced Studies Diploma and satisfy all Math and Science requirements for the Advanced Studies diploma with a "B" average or better in all course work, and successfully complete a fifty hour or more work-based learning opportunity in a STEM area, and satisfy all requirements for a Career and Technical Education concentration. A *concentration* is a coherent sequence of two or more state-approved courses as identified in the course listing within the CTE Administrative Planning Guide, and pass one of the following: a Board of Education CTE STEM-H credential examination, or an examination approved by the Nelson County School Board that confers a college-level credit in a STEM field.
- **Board of Education's Seal of Advanced Mathematics and Technology** is awarded to students who earn either a Standard or Advanced Studies Diploma and satisfy all of the mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified units of credit) with a "B" average or better; and either pass an examination in a career and technical education field that confers certification from a recognized industry, or trade or professional association or acquire a professional license in a career and technical education field from the Commonwealth of Virginia or pass an examination approved by the Nelson County School Board that confers college-level credit in a technology or computer science area.
- **Board of Education's Seal for Excellence in Civics Education** shall be awarded to students who: (1) earn either a Modified Standard Diploma, Standard Diploma or Advanced Studies Diploma; (2) complete Virginia and United States History and Virginia and United States Government courses with a grade of "B" or higher; (3) have good attendance and no disciplinary infractions; and, (4) complete fifty hours of voluntary participation in community service or extracurricular activities. Activities that count include (a) volunteering for a charitable or religious organization that provides services to the poor, sick, or less fortunate; (b) participating in Boy Scouts, Girl Scouts, or similar youth organizations; (c) participating in Junior Reserve Officer Training Corps (JROTC); (d) participating in political campaigns or government internships, or Boys State, Girls State, or Model General Assembly; or (e) participating in school-sponsored extracurricular activities that have civics focus. Any student who enlists in the United States military prior to graduation will be deemed to have met this community service requirement.
- **Board of Education's Seal of Bi-literacy** shall be awarded to students who earn either a Standard Diploma or Advanced Studies Diploma and (i) pass all required End-of-Course Assessments in English Reading and Writing at the proficient or higher level; and (ii) be proficient at the intermediate-mid level or higher in one or more languages other than English, as demonstrated through an approved assessment.
- **The Board of Education's Seal for Excellence in Science and the Environment** shall be awarded to students who earn either a Standard Diploma or Advanced Studies Diploma and (i) complete at least three different first-level board-approved laboratory science courses and at least one rigorous advanced-level or postsecondary-level laboratory science course, each with a grade of "B" or higher; (ii) complete laboratory or field-science research and present that research in a formal, juried setting; and (iii) complete at least fifty hours of voluntary participation in community service or extracurricular activities that involve the application of science such as environmental monitoring, protection, management, or restoration.

Earning College Credit while in High School

Students who enroll in Dual Enrollment (DE) and Advanced Placement (AP) courses starting with the 11th grade have the opportunity to earn college credits while still in high school. Students who enroll in Dual Enrollment and Advanced Placement courses will not only receive high school credit, but also college credit. The transferability of college credits depends on the grade earned in Dual Enrollment courses and the scores received on the Advanced Placement Exams. The decision to accept Dual Enrollment and Advanced Placement courses for college credit depends solely on the college's transfer policy.

Advanced Placement (AP) courses give highly motivated students the opportunity to experience college-level work while in high school. Students have the option of enrolling in an AP course with two exam options; however, students are strongly encouraged to complete the AP exam.

The following options are available for AP course exam participation:

1) Students are encouraged to complete the AP exam for full weight, course credit, and potential college credit.

OR

2) Students can complete the AP course for full weight and course credit, and opt to not participate in the AP exam and; therefore, would not have the opportunity for full college credit.

If students choose **option one** above, they will be **required to take AP examinations for college credit**, which are administered in May. College credit may be awarded depending on the score earned on the AP examination and individual policies of colleges and universities. If a student chooses to participate in the AP exam option (to gain potential college credit), please see the school counselor for the AP exam fee. The majority of NCHS AP courses are offered online; however, we have a few that are taught by NCHS teachers.

Students can take virtual (online) Advanced Placement and Dual Enrollment courses. The courses offered through Virtual Virginia and PVCC are on a first-come, first serve basis. NCHS is not guaranteed a certain number of slots in these courses.

While all courses offered at NCHS are open to interested and motivated students, students must possess strong language and writing skills and have adequate technical skills and personal characteristics for success in a virtual course. AP and DE classes are offered to students during their junior and senior years.

Enrollment in any of these classes requires dedication and perseverance and should not be taken lightly. Students must be independent learners, have strong computer skills and good study and time management skills.

Please Note: Students interested in the virtual Advanced Placement courses must be eligible to participate in the Early College Scholars Program.

Dual Enrollment (DE) courses are offered through Piedmont Virginia Community College. These courses are on a first-come first serve basis with other students in PVCC's serving region. NCHS is not guaranteed a certain number of slots in these courses. Dual Enrollment courses give highly motivated students the opportunity to experience college-level work while in high school and receive both high school and college credit at Piedmont Virginia Community College. Students interested in Dual Enrollment courses should be aware that the demands of these courses are at the college level. Tuition for Dual Enrollment courses is paid by the high school and classes are offered during the school day. **Due to the tuition cost of dual enrollment courses, students who fail or withdraw from these courses will be assessed the tuition fee.**

Students enrolled in Dual Enrollment classes should understand that their grades for these classes will appear on their permanent record at PVCC. If a student receives a D or F in their dual enrollment course, it could affect college financial aid eligibility and/or the guaranteed admissions agreements that the community colleges have established with four-year colleges and universities. Students have to abide by PVCC's policies and procedures as well as the policies and procedures of NCHS. The majority of NCHS DE courses are offered online; however, we have courses which are taught by NCHS teachers.

To be eligible for the Dual Enrollment Program a student must:

1. Be a junior or senior in high school;
2. Apply to PVCC;
3. Meet all prerequisite requirements for each dual enrollment class in which you plan to enroll.
4. Have parent's/guardian's permission;
5. Have permission of NCHS;
6. Have a grade point average of 3.0 (B) or higher.

Students can take virtual (online) Advanced Placement and Dual Enrollment courses. The courses offered through Virtual Virginia and PVCC are on a first-come, first serve basis. NCHS is not guaranteed a certain number of slots in these courses.

While all courses offered at NCHS are open to interested and motivated students, students must possess strong language and writing skills and have adequate technical skills and personal characteristics for success in a virtual course. AP and DE classes are offered to students during their junior and senior years.

Enrollment in any of these classes requires dedication and perseverance and should not be taken lightly. Students must have good computer skills. Most importantly, students must be independent learners with good study and time management skills.

Due to the tuition cost of dual enrollment courses, a student who fails or withdraws from these courses will be assessed the tuition fee. NCHS will provide a classroom set of textbooks for students to use during their class period. Textbooks may be checked out for overnight or weekend use.

Admission Criteria for Transfer DE courses (ex: English, math, government, sciences, etc.)

	GPA	SAT	ACT
English Writing	3.0	480	18
English Reading	3.0	480	18
Mathematics	3.0	500	15

Please Note: Students do not need to meet all of the assessments listed; for example, if the GPA is 3.0, the SAT is not needed.

Admission Criteria for the NCHS DE Nursing Assistant course

	GPA	SAT	ACT
English Writing	2.0	480	18
English Reading	2.0	480	18
Mathematics	2.0	500	17

Please Note: Students do not need to meet all of the assessments listed; for example, if the GPA is 2.0, the SAT is not needed.

Early College Program (associate's degree and career studies certificate program in partnership with Piedmont Virginia Community College)
The Early College Program is designed for high school juniors who have exhibited a dedication to academics. Students selected for this program will pursue a transferable Associate of Science degree from Piedmont Virginia Community College. Courses completed in this program will satisfy high school graduation requirements; however, students will still need to take courses at NCHS to satisfy the requirements of the Standard or Advanced Studies diploma.

A maximum of fifteen students will be accepted into the program. Students will be enrolled in either fifteen or sixteen community college credits per semester. This program is not aligned with the Guaranteed Admissions Agreements between the Virginia community colleges and the Commonwealth of Virginia's four-year colleges and universities.

To apply to the Early College Program, the student must:

- Be a rising junior;
- Apply to PVCC;
- Pass the Virginia Placement Test or have acceptable scores on the PSAT, ACT or SAT assessments;
- Have completed Algebra II by the end of the sophomore year;
- Have a grade point average of 3.0 (B) or higher.

Early College Scholar's Program through the Virginia Department of Education
The Early College Scholars program allows eligible high school seniors to complete their high school diploma while earning at least fifteen hours of transferable credits toward a college degree, resulting in a more productive senior year and reducing the expense of college tuition for families. Students earn these credits through the Dual Enrollment program with Piedmont Virginia Community College and by taking Advanced Placement courses at Nelson County High School or through Virtual Virginia.

To qualify for the Early College Scholars Program, a student must apply and agree to:

- Earn an Advanced Studies Diploma with a Governor's Seal (refer to page 8);
- Earn at least fifteen transferable college credits while enrolled in high school. College credits toward the completion of this agreement can be earned by completing Advanced Placement and Dual Enrollment courses; and
- Apply and be accepted to a college or university.

Students who do not qualify for the Early College Scholars Program can take AP classes through Virtual Virginia; however, they will be responsible for the cost of the class.

Online Learning Opportunities

PVCC and Virtual Virginia
PVCC and Virtual Virginia both provide access to high-quality AP, DE and elective courses with the flexibility of online learning. A student must be able to work independently and be able to manage their time wisely. Students are responsible for ensuring assignments are complete and submitted in a timely fashion. Students must continuously communicate with their online instructors and mentors to be successful. Teachers are available for telephone conversations with students throughout the school day and hold some evening office hours. Students access their class during a scheduled class block at school and at home in the evenings and on weekends.

- For the above reasons, Virtual Virginia requires that students must be an Early College Scholar candidate, which requires a minimum 3.0 GPA and completion of the Early College Scholar Agreement.
- Withdrawal from a virtual course must be done by the NCHS Virtual School Registrar (Director of School Counseling). Students are expected to continue to work in their course, turn in assignments, etc. until notified by the Director of School Counseling that the withdrawal process has been completed. Simply withdrawing at the local school and/or notifying the online instructor is not considered a withdrawal and missing assignments will be calculated into the instructor assigned withdrawal grade.
- Students who fail or withdraw from a virtual course offered through Virtual Virginia will be assessed a fee of $75.00. A WF will be placed on the student's transcript when a withdrawal takes place.

Course Offerings

Course availability is determined by the number of students requesting a class and availability of teaching staff.

English
English 9
English 9 Honors
English 10
English 10 Honors
English 11*
English 11 Humanities*
English 12
English 12 Honors
AP English Literature & Composition
DE English College Composition
African American Studies Literature of a People
Literacy & Comprehension (English elective)

Mathematics
Algebra Foundations
Algebra I* or Algebra I Part I & II*
Geometry* or Geometry Part I & II*
Algebra, Functions, and Data Analysis
Data Science
Algebra II*
Advanced Math
Trigonometry
AP Statistics
AP Precalculus
AP Calculus AB

Science
Environmental Science
Earth Science*
Earth Science II: Astronomy
Earth Science II: Oceanography
Biology*
Biology Honors*
Chemistry*
Chemistry Honors*
Physics
DE Biology: Life Science
DE Biology: Biology of the Environment
AP Biology (BRVGS)

History/Social Science
World Geography Honors*
World History I*
World History I (BRVGS)*
World History II*
World History II (BRVGS)*
VA & US History*
VA & US Humanities*
VA & US Government
AP US Government and Politics

ESL
English as a Second Language (Ingles como Segundo lenguaje)

Health/Physical Education
Health/Physical Education 9
Health/Physical Education 10/Drivers Education
Advanced Physical Education
Introduction to Sports Medicine
Weightlifting

World Language
Spanish I-V
Spanish I for Heritage Language Learners I-III
French I-V
Conversational French

Fine Arts
Band
Jazz Band
Chorus
Show Choir
Intro to Drama
Intermediate Drama
Performing Musical Theatre
Advanced Drama
Film Studies
Art I-IV
Painting & Printmaking
3-D Art (Pottery & Sculpture)
Photography I & II
Yearbook I & II

***denotes SOL Courses**

Agriculture
Agriculture I-V
Introduction to Agriculture Power
Agriculture Power Systems
Agriculture Fabrication

Automotive Technology
Automotive Technology I-III

Trade & Industrial Programs
Woodworking Technology
Carpentry I-III

Business
Entrepreneurship
Advanced Entrepreneurship Education
Exploring Computer Science
Principles of Business and Marketing
Career Strategies

Economics & Personal Finance

Cosmetology
Cosmetology I-III

Electricity
Electricity I
Electricity II

Family & Consumer Science
Living On Your Own
Nutrition & Wellness
Introduction to Early Child Education
Early Childhood Education I
DE Teachers for Tomorrow I
DE Teachers for Tomorrow II

Health & Medical Sciences
Introduction to Health & Medical Sciences
DE Nurse Aide

Horticulture
Horticulture Sciences
Landscaping
Greenhouse Plant Production and Management
Floral Design I & II

Technology
Digital Visualization
Cyber Security
Cybersecurity Software Operations
Intro to Game Design

Welding
Welding I-II

Course Descriptions

ENGLISH

English 9 Honors
SCED Code: 01001
Grade Level: 9 *Credit: 1*
Prerequisite: A-/90 average or better in 8th grade English with a minimum SOL score (Reading & Writing) of 450; Middle School English Teacher Recommendation

This course is designed to meet the needs of ninth graders who demonstrate exceptional skill in language arts. It is an accelerated course which requires extensive independent reading, critical thinking, advanced writing skills, and formal grammatical concepts are presented along with research skills for project presentations and a final formal research paper. The successful student may then take one of three course progressions depending on teacher recommendation:

> Option 1: English 10 Honors (sophomore/10th year), English 11 Humanities (junior/11th year), and English 12 Honors (senior/12th year)
>
> Option 2: This only applies in rare instances for exceptionally gifted students. The student, parent, teacher, administrator, and school counselor must meet to determine eligibility, and parents and students must understand that moving from English 9 Honors to Humanities requires the student take the EOC reading and writing tests required for graduation as a 10th grader, rather than as an 11th grader. English 11 Humanities (sophomore/10th year), English 12 Honors (junior/11th year), and EITHER AP English Literature and Composition OR Dual Enrollment English Composition (senior/12th year)

Successful completion of this course offers the student the opportunity to continue the advanced language arts program through the senior year of high school, provided each subsequent course is also successfully completed and pending instructor recommendation.

English 9
SCED Code: 01001
Grade Level: 9 *Credit: 1*
Prerequisite: Middle School Teacher Recommendation

This course includes instruction in grammar (particularly its standard usage in speaking and writing) and vocabulary (which will come from literary units). Emphasis is placed on writing, and students will produce both essays and a research project. Emphasis is also placed on developing analytical reading skills both through literature (including the study of short stories, novels, poetry, and drama) and through nonfiction texts, including media analysis and nonfiction essays. Students will also be introduced to producing and submitting documents online.

English 10
SCED Code: 01002
Grade Level: 10 *Credit: 1*
Prerequisite: English 9; Teacher Recommendation

This course includes a comprehensive study of a variety of literary genres. Emphasis is placed on writing a well-developed persuasive essay. Research skills continue to be developed as well, and a research paper is required. Extensive vocabulary study is part of the curriculum as is the study of grammar and speech. Business, consumer, and technical reading and writing are also part of the curriculum.

English 10 Honors
SCED Code: 01002
Grade Level: 10 *Credit: 1*
Prerequisite: A-/90 average or better in English 9-Honors; Teacher Recommendation

This course is designed to meet the needs of tenth graders who demonstrate exceptional skill in language arts, focusing on preparing college-

bound students for college curricula. This course includes a comprehensive study of a variety of literary genres, including college-level texts. Emphasis is placed on writing a well-developed persuasive essay, although additional styles will be explored. Research skills continue to be developed as well, and a research paper is required. Extensive vocabulary study is part of the curriculum, as is the study of grammar and speech. Business, consumer, and technical reading and writing are also part of the curriculum, as are public speaking skills. Successful completion of this course offers the student the opportunity to continue to English 11 Humanities in the following year, pending teacher recommendation.

English 11
SCED Code: 01003
Grade Level: 11 *Credit: 1*
Prerequisite: English 10; Teacher Recommendation

The emphasis in this course is placed on the study of significant American literary selections and on the writing of expository, persuasive, and critical essays, as well as on the preparation of a research project. Business and technical reading and writing are also covered, as is public speaking. The study of grammar is directed toward the elimination of common errors in formal composition. ***The English 11 Writing and English 11 Reading SOL tests will be taken during this course.***

English 11 Humanities
SCED Code: 01003
Grade Level: 11 *Credit: 1*
Prerequisite: A-/90 average or better in English 9 Honors or English 10 Honors; Teacher Recommendation and completion of summer reading assignments

English 11 Humanities is an interdisciplinary approach to the study of American literature and history. Students are expected to read and write independently, participate in class discussion, and demonstrate a solid grasp of grammar. The English and History portions will meet for two blocks each day (one block for each subject) and is intended for college-bound students. The class fulfills the eleventh-grade requirements of English 11 and is not open to underclassmen (with the exception of those sophomores who have completed English 9 Honors). Successful completion of this course obligates the student to continue to English 12-Honors in the following year. ***The English 11 Writing and English 11 Reading SOL tests will be taken during this course.***

English 12
SCED Code: 01004
Grade Level: 12 *Credit: 1*
Prerequisite: English 11; Teacher Recommendation

Course study includes the major periods and works of British literature and the use of traditional literary terms. Students will read a variety of novels, short stories, poems, and essays. Students continue to expand vocabulary and further develop skills in critical thinking and writing. Grammar usage will be reviewed within the context of their writing with a focus on improving sentence structure. A formal research paper is a course requirement.

English 12 Honors
SCED Code: 01004
Grade Level: 12 *Credit: 1*
Prerequisite: 85/B average or better in English 11 or English 11 Humanities; Teacher Recommendation

This rigorous course includes the study of major periods and works of British literature from the Anglo-Saxon period through the twentieth century. There is an intense emphasis on critical thinking and writing in which students will be expected to use specific literary terms and college-level vocabulary. Fast-paced independent research and reading of well-known British authors are required. A formal research paper is a course requirement. Completion of summer reading assignments is mandatory. Successful completion of this course obligates the student to continue to AP English Literature and Composition or DE English College Composition in their senior year.

AP English Literature and Composition
SCED Code: 01006
Grade Level: 12 *Credit: 1*
Prerequisite: 85/B average or better in previous English class, and Teacher Recommendation. ***Any parent override into college-level courses need to have parent/guidance/admin/teacher meeting first.***

Students have the opportunity to earn 3-5 college credits in English with their future institution, depending on their AP exam score and the college/university's guidelines.

An AP course in English Literature and Composition involves both the study and practice of writing and the study of literature. Through such study, students sharpen their awareness of language and their understanding of the writer's craft. They develop critical standards for the independent appreciation of any literary work, and they increase their sensitivity to literature as shared experience. Writing assignments will focus on the critical analysis of literature and will include essays in exposition and argument. Students should already be proficient in writing critical and analytical essays, and their writing should be free of basic sentence and grammatical errors such as sentence fragments and run-on sentences. Students will intensively study several representative works from various genres and periods, focusing on structure and meaning and on the works' relationship to the world in which we live as well as to the times in which it was written. Completion of summer reading assignments is mandatory. ***There is an AP exam fee if the student opts to take the AP exam.***

DE English College Composition
SCED Code: 01102
Grade Level: 12 *Credit: 1*
Prerequisite: 85/B average or better in English 12 Honors; Teacher Recommendation, completion of PVCC Application, passing the placement test, and parent/guardian permission letter. ***Any parent override into a college-level course must have a parent/guidance/admin/teacher meeting first.***

Students have the opportunity to earn PVCC course credit for English 111 and 112.

This course introduces the student to college writing through DE English 111 and 112. It involves frequent practice and guidance as students explore subjects, write, reread, rewrite, edit, and proofread, with the goal of independence and success as college writers. However, students should already be proficient in writing in a variety of styles, and their writing should be free of basic sentence and grammatical errors such as sentence fragments and run-on sentences. In this course, students will also learn to inquire systematically and intuitively, to use the library and other resources, to read critically, to take notes effectively, to work constructively in peer groups, and to compose pieces which are worthwhile in content, focused and organized, well-documented, interesting to read, and lively in style.

This course will also encompass the study of literature, which will sharpen student awareness of language and an understanding of the writer's craft. Students develop critical standards for the independent appreciation of any literary work, and they will increase their sensitivity to literature as shared experience. Several representative works from various genres and periods are studied, focusing on structure and meaning and the work's relationship to the world in which we live.

It should be noted that because this course encompasses two classes from PVCC, and it is very challenging and time-sensitive. Additionally, completion of summer reading assignments is mandatory if required.
See page 10 for more information on Dual Enrollment policies and procedures.

African American Studies: Literature of a People
SCED Code: 04099
Grade Level: 11-12 *Credit: 1*
Prerequisite: English 10

This course introduces students to the literature of persons of African or African American descent in North America. Students examine and critically study the African American historical timeline in regards to themes, events, and structure of African American literature in

its various forms; including but not limited to: art, music, film, poetry, and prose. The historical focus of this course spans the late 17th century to present day.

Literacy & Comprehension
SCED Code: 01067
Grade Level: 9 *Credit: 1*
Prerequisite: English 8, placement test and teacher recommendation

This course is an intensive reading course designed to help improve student reading and comprehension. Emphasis will be placed on building reading, vocabulary, and literary skills. Frequent monitoring of reading ability will help guide instruction and track improvement throughout the semester. This course is only taught in the fall, and students who complete this course must take English 9 in the spring of their freshman year.

MATHEMATICS

Students are scheduled for one math class per year unless they are taking a yearlong Algebra I or Geometry course or are on the honors track. Students who want to take two math courses must receive department chair approval before enrolling in the class.

- Standard diploma requires **three** mathematics credits.
- Advanced Studies requires **four** mathematics credits.
- Algebra I Part I and Geometry Part I will count as elective credits.
- Algebra I Part II and Geometry Part II will count as math credits.

Students are scheduled for one math class per year. With a limited number of math teachers, this policy is in place to keep class sizes manageable. However, there are exceptions, such as:

- Students taking a yearlong Algebra and Geometry class;
- Honors track students must either take two math courses in 10th grade or 11th grade;
- AP Calculus; or,
- Special circumstances on a case-by-case basis with prior department chair and administrative approval.

Algebra Foundations
SCED Code: 02999
Grade Level: 9 *Credit: 1*
Prerequisite: None

Algebra Foundations will provide students with the opportunity to strengthen basic arithmetic and pre-algebra skills. It is designed to meet the student at his/her ability level and strengthen math skills in preparation for Algebra I Part I and II. This class is taught in a workshop model with students working in skill-based cohorts. This course does not fulfill the algebra graduation requirement. After successful completion of Algebra Foundations, students will enroll in Algebra I Part I and II.

Algebra I
SCED Code: 02052
Grade Level: 9 *Credit: 1*
Prerequisite: Final grade of B (85%) or higher in Pre-Algebra, Grade 8 Math SOL score of 470 or higher, must have passed 6th and 7th grade math SOLs in addition to teacher recommendation. If no SOL scores, then the student needs to be enrolled in Algebra part 1 and part II.

Algebra I is the beginning of the sequence of math courses offered at the high school. Topics to be covered include fundamental algebraic language, expressions, equations and inequalities, linear and quadratic function families, systems, polynomials, radicals, and an introduction to statistics. ***The Algebra I SOL end-of-or course SOL will be administered.***

Algebra I Part I & Part II
SCED Codes: 02053 & 02054
Grade Level: 9 *Credit: 1 per semester*
Prerequisite: Pre-Algebra; Teacher Recommendation

Algebra I is the beginning of the sequence of math courses offered at the high school. Topics to be covered include fundamental algebraic language, expressions, equations, and inequalities, linear and quadratic function families, systems,

polynomials, radicals, and an introduction to statistics. ***The Algebra I end-of-course SOL will be administered at the end of Algebra I Part II.***

Geometry Part I & Part II
SCED Code: 02903
Grade Level: 10-11 Credit: 1 per semester
Prerequisite: Algebra I or Algebra I Part II; Teacher Recommendation

Emphasis is placed on deductive reasoning and problem-solving skills through the study of lines and angles, triangles and logic, polygons and circles, three-dimensional figures, coordinate relations, transformations, and an introduction to trigonometry. ***The Geometry end-of-course SOL will be administered at the end of Geometry Part II if needed.***

Geometry
SCED Code: 02072
Grade Level: 9-12 Credit: 1
Prerequisite: Final grade of B (85%) or higher in Algebra I, Algebra SOL score of 440 or higher as well as Math 7/8 with scores of 440 or higher. Teacher Recommendation. If no SOL scores, then the student needs to be enrolled in Geometry part 1 and part II.

Semester Geometry follows Algebra I in the sequence of math courses. Students learn new concepts nearly every day, although it is not as rigorous as Geometry Honors. Emphasis is placed on deductive reasoning and problem-solving skills through the study of lines and angles, triangles and logic, polygons and circles, three-dimensional figures, coordinate relations, transformations, and an introduction to trigonometry. ***The Geometry end-of-course SOL will be administered if needed.***

Algebra, Functions, and Data Analysis
SCED Code: 02902
Grade Level: 10-12 Credit: 1
Prerequisite: Algebra I or Algebra I Part II; Teacher Recommendation

Algebra, Functions and Data Analysis is a course for students who find math challenging and who need to sharpen their algebra skills. Algebra, Functions, and Data Analysis will focus on revisiting many of the topics covered in Algebra I and building on them as well as applying them through mathematical modeling. Students will study about function families, regression, basic statistics and basic probability. This course can help strengthen a student's algebra skills for use in the future. (Next course: Algebra II)

Algebra II
SCED Code: 02056
Grade Level: 10-12 Credit: 1
Prerequisite: Final grade of A or B in Algebra I, Geometry or Algebra, Functions, and Data Analysis; Teacher Recommendation

This course is designed to review and enhance the concepts taught in Algebra I and to introduce new topics. The new topics include complex numbers, imaginary numbers, the conics, sequence and series, even and odd degree functions, rational functions, and introduction to logarithmic and exponential functions. The use of graphing calculators will be used to enhance the course. ***The Algebra II end-of-course SOL will be administered if needed.***

Data Science
SCED Code: 02911
Grade Level: 10-12 Credit: 1
Prerequisite: Algebra Functions & Data Analysis or Subsequent course; Teacher Recommendation

Through the use of open source technology tools, students will identify and explore problems that involve the use of relational database concepts and data-intensive computing to find solutions and generalize. Students will engage in a data science problem-solving structure to interact with large data sets as a means to formulate problems, collect and clean data, visualize data, model using data, and communicate effectively about data formulated solutions.

Advanced Mathematics
SCED Code: 02057
Grade Level: 10-12 Credit: 1
Prerequisite: Final Grade of A or B in Algebra II; Teacher Recommendation

This course is designed to extend Algebra II concepts as well as explore various advanced

mathematical concepts. Students will study numerous topics, including exponential and logarithmic functions, systems of equations, sequences and series, and the beginnings of trigonometry.

Trigonometry (SCED Code: 02106)
Grade Level: 10-12 *Credit: 1*
Prerequisite: Final grade of B or better in Geometry and Algebra II; Teacher Recommendation

This course will cover all of the six trigonometric functions and their operations including graphing, etc. Special angles will be stressed. This class will provide a thorough picture of trigonometry with and without the use of the calculator. Concepts from Algebra I, Geometry, and Algebra II will be utilized throughout the course.

AP Precalculus
SCED Code: 02114
Grade Level: 11-12 *Credit: 1*
Prerequisite: Final grade of an upper B or better in Trigonometry; Teacher Recommendation

Students have the opportunity to earn 3-4 college credits in Precalculus with their future institution, depending on their AP exam score and the college/university's guidelines.

This course is designed to be equivalent to a college-level introductory precalculus course. Students will focus on exploring everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. It is possible that students may receive freshman college credit for this course based on their AP Exam score and the policy of the student's college choice. **There is an AP exam fee if the student opts to take the AP exam. (Next course: AP Calculus AB)**

AP Calculus AB
SCED Code: 02124
Grade Level: 12 *Credits: 2*
(two-semester course)
Prerequisite: Final grade of B or better in AP Precalculus; Teacher Recommendation

Students have the opportunity to earn 3-4 college credits in Calculus AB with their future institution, depending on their AP exam score and the college/university's guidelines.

This course is designed to be equivalent to a college-level introductory calculus course. Emphasis is on using, understanding, and applying skills and theory of differentiation and integration. It is possible that students may receive freshman college credit for this course based on their AP Exam score and the policy of the student's college choice. ***There is an AP exam fee if the student opts to take the AP exam.***

AP Statistics
SCED Code: 02203
Grade Level: 10-12 *Credits: 1*
(one-semester course)
Prerequisite: Final grade of B or higher in Algebra 2. Student should also be able to write a clear, concise paragraph.

Students have the opportunity to earn 3-4 college credits in Statistics with their future institution, depending on their AP exam score and the college/university's guidelines.

AP Statistics is equivalent to a college-level introductory statistics course consisting of 9 units. The emphasis on this course is descriptive statistics, data collection and design, probability, and inferential statistics. The pace of this course is **very rapid** and is taught as a college course. Students who score a 3 or higher on the accompanying AP Statistics exam may qualify for college credit. ***There is an AP exam fee if the student opts to take the AP exam.***

SCIENCE

Environmental Science
SCED Code: 03003
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

This course prepares students with foundational content for Earth Science and Ecology. Environmental Science is the study of the

interaction between physical, chemical, and biological components within the environment to include the impact of humans on the environment. Environmental science focuses on how humans manage and utilize environmental resources. This course aims identify the internal and external factors that affect the environment and the organisms living in it to look for solutions to environmental problems. Key issues include the effect of human populace in the ecosystem, the main impact of global warming at a larger scale, the effects of urban living on environmental change and sustainability measures.

Earth Science
SCED Code: 03001
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

This course presents a comprehensive overview of the four major areas of Earth and space science: meteorology, geology, astronomy, and oceanography. This is an activity-oriented (laboratory) science class with emphasis on the development of Earth awareness. ***The Earth Science end-of-course SOL will be administered.***

Biology
SCED Code: 03051
Grade Level: 9-10 *Credit: 1*
Prerequisite: Earth Science

This course is a general survey of science involving living things from the molecular level to the interactions of plant and animal communities. Study includes cellular biology, genetics, anatomy and function in the six biological kingdoms, and ecology. Emphasis is placed upon scientific method and laboratory investigations to support all units of study. Microscope techniques, dissection, and experimentation are highlighted. ***The Biology end-of-course SOL will be administered.***

Biology Honors
SCED Code: 03051
Grade Level: 9 *Credit: 1*
Prerequisite: Earth Science

This course is designed to be an interactive experiential treatment of basic biological principles and concepts for the self-motivated student. The course relies heavily on an inquiry-based foundation in its instruction. Students should expect to be challenged mentally on a regular basis. Assessment includes the application of knowledge to new situations. This course is intended to prepare highly motivated students for their future course work in science, including AP Biology, DE Biology, and other advanced sciences. The Honors Biology course employs a molecular approach to exploring the various prevailing themes of life science. Emphasis is placed on higher level thinking skills, laboratory investigations and student enrichment activities. Open-ended assignments and written communication are emphasized. Students will be expected to complete at least one formal laboratory report. They are expected to take an active part in classroom and lab discussions, and regularly contribute to the enhancement of the course. ***The Biology end-of-course SOL will be administered.***

Earth Science II: Astronomy
SCED Code: 03004
Grade Level: 10-12 *Credit: 1*
Prerequisite: Biology and passing of SOL

This course presents a comprehensive and balanced view of what is known about the universe. The course gives a description of astronomical phenomena using the laws of physics. The course treats many standard topics including planets, stars and galaxies to more esoteric questions concerning the origin of the universe and the search for extraterrestrial intelligence. As part of the course requirement, two science fiction novels will be read, discussed, and related to the study of astronomy.

Earth Science II: Oceanography
SCED Code: 03005
Grade Level: 11-12 *Credit: 1*
Prerequisite: Earth Science or Environmental Science

This course studies the broad marine environment which emphasizes the interrelationships of living and non-living systems. Current concepts of ocean evolution are analyzed with respect to their physical, chemical, and biological importance.

Oceanography will focus on the origin of oceans, the composition and history of seawater, oceanic current, tides, waves and beaches; the sea floor; plant and animal life in the sea; oceanic resources and food; and marine pollution.

Chemistry
SCED Code: 03101
Grade Level: 10-12 *Credit: 1*
Prerequisite: Biology and Algebra II; co-requisite of
Algebra II Honors or administrative approval

This science course introduces the study of matter through hands-on laboratory experience and mathematical manipulations of measurements. Some of the concepts covered include the study of atomic models, chemical reactions, behavior of gases, classification of matter and the changes it undergoes, nomenclature and acid/base theories. This course is designed to challenge students for their preparation for college chemistry. ***The Chemistry end-of-course SOL will be administered if needed.***

Chemistry Honors
SCED Code: 03101
Grade Level: 10-12 *Credit: 1*
Prerequisite: Biology Honors and Algebra II; co-requisite of Algebra II Honors or administrative approval

Chemistry is a comprehensive course that focuses on the understanding of concepts in chemistry and the mastery of critical scientific skills. Students extend their knowledge by applying the scientific method – observation, data collection, analysis, hypothesis and conclusion. They are encouraged to look at chemistry from both a personal and worldly perspective, and analyze the social implications of the topics covered. Topics include the nature of matter; the structure of atoms and molecules; bond formations; the qualitative and quantitative aspects of chemical reactivity; physical and chemical properties of solids, liquids, and gases; states of matter; phase transitions; equilibrium; kinetics; thermodynamics; electrochemistry; nuclear chemistry; and an introduction to organic chemistry. ***The Chemistry end-of-course SOL will be administered if needed.***

Physics Honors
SCED Code: 03151
Grade Level: 11-12 *Credit: 1*
Prerequisite: Completed or current enrollment in Trigonometry and Completion of Chemistry
This course is a science elective that places emphasis upon laboratory experimentation and demonstration as the focus of instruction, as well as the use of technology to gather and analyze data. Topics of study include classical mechanics, astronomy, thermodynamics, energy and wave characteristics, optics, and electricity. The laboratory approach is supplemented with problem solving, Internet virtual labs, and competitive investigations.

HISTORY

World History I
SCED Code: 04052
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

This is a fast-paced and challenging course covering the history of the world from the Stone Age to the Renaissance, with emphasis on Western Europe. Students will study in depth the role of geography, religion, art, politics, and technology in the development of the world's cultures and civilizations. This course makes extensive use of maps, charts, and primary and secondary source readings. ***The World History I end-of-course SOL will be administered.***

World History II
SCED Code: 04053
Grade Level: 10-12 *Credit: 1*
Prerequisite: World History I

This is a fast-paced and challenging course detailing the development of the modern world from the Middle Ages to the present. Students will study in depth the role of geography, religion, art, politics, and technology in the development of the world's cultures and civilizations. This course makes extensive use of maps, charts, and primary secondary source readings and is ideally suited for students with a genuine interest in history. ***The World History II end-of-course SOL will be administered if needed.***

VA & US History
SCED Code: 04101
Grade Level: 11 *Credit: 1*
Prerequisite: World History or World Geography

This course takes an in-depth look at American history from early colonization to the present. Emphasis is on connecting current events with the past. This is done by examining issues and events from throughout our history and linking each to contemporary times. ***The US History end-of-course SOL will be administered if needed.***

VA & US History Humanities Honors
SCED Code: 04101
Grade Level: 11 *Credit: 1*
Prerequisite: World History; Teacher Recommendation – Corequisite course with English Humanities.

VA & US History Humanities is an honors level class that explores United States history while connecting it to American literature. Students will be asked to make deeper connections and insights into the political, social, economic, and cultural aspects of our history from earlier colonization to the present. This class is connected to English 11 Humanities. Students will be expected to read and write independently, participate in class discussions, and demonstrate a solid grasp of grammar. The English and History portions will meet for two blocks each day (one block for each subject) and is intended for college-bound students. ***The US History end-of-course SOL will be administered if needed.***

World Geography Honors
SCED Code: 04001
Grade Level: 9-12 *Credit: 1*
Prerequisite: 85/B or higher in World History I

This is an honors level course that focuses on the study of the world's people, places, and environments with historical emphasis on Asia, Latin America, Africa, and the Middle East. The knowledge, skills, and perspectives of the course are centered on the world's population and cultural characteristics, its countries and regions, landforms and climates, natural resources and natural hazards, economic and political systems, and migration and settlement patterns. Spatial concepts of geography will be linked to chronological concepts of history to set a framework for studying human interactions. The course will emphasize how people in various cultures influence and are influenced by their physical and ecological environments. Using texts, maps, globes, graphs, pictures, stories, diagrams, charts, and a variety of geographic, inquiry/research, and technology skills, students consider the relationships between people and places while asking and answering geographic questions. ***World Geography end-of-course SOL test will be administered if needed.***

VA & US Government
SCED Code: 04151
Grade Level: 12 *Credit: 1*
Prerequisite: US History

This course traces governmental origins and basic principles of a democratic system. It is designed to help students understand the structure, function, and operation of government on local, state, and federal levels and the roles of the legislative, executive, and judicial branches. Research projects and some supplemental readings will be required.

AP US Government and Politics
SCED Code: 04157
Grade Level: 12 *Credit: 1*
Prerequisite: 85/B or higher in US History; Teacher recommendation
Students have the opportunity to earn 3-5 college credits in History with their future institution, depending on their AP exam score and the college/university's guidelines.

This course provides students opportunities for an in-depth study of American government at local, state, and national levels. Emphasis is placed on relating current issues to principles of the US Government. In-class opportunities will be provided for experiences in government and research of government issues. Students accepted into this course should display excellent language arts skills and will be required to read and write extensively both in and outside of class. It is possible that students may receive freshman college credit for this course based on their score and the policy of the student's college choice.

There is an AP exam fee if the student opts to take the AP exam.

Health & Physical Education

Students are scheduled for one health/physical education class per year. With a limited number of Health/Physical education teachers, this policy is in place to keep class sizes manageable.

Health & Physical Education 9
SCED Code: 08052
Grade Level: 9 *Credit: 1*
Prerequisite: None

Each 9th grade student will have the opportunity to become First Aid and CPR certified as part of their 9th grade Health and PE 9 curriculum. Students will gain an understanding of the importance of fitness and wellness, including lifetime activities. They will also learn the importance of eating healthy, learning about eating disorders, and childhood obesity. It is our goal to educate students on dangers and consequences of high-risk behaviors. It is our hope that students will be able to make healthy and responsible choices as they continue throughout high school.

Health, Physical Education 10 & Driver Education
SCED Code: 08201
Grade Level: 10 *Credit: 1*
Prerequisite: Health/PE 9

This course is activity oriented and is concerned with skill development. Activities offered include team sports with emphasis on individual and recreational activities. Physical fitness is stressed throughout the semester. The state mandated Driver Education Curriculum is taught in the classroom, while Behind the Wheel instruction must be scheduled privately once the curriculum is completed. Regardless of age and/or licensing status, all students must complete the classroom curriculum in order to receive the required 1 credit for Physical Education 10 at NCHS.

Behind the Wheel clarification:
All students who successfully complete the semester long Driver Education curriculum will receive a Course Completion Certificate (Green Card) from NCHS. This certificate will be required prior to beginning Behind the Wheel Instruction with a private instructor/provider. The chosen provider will become the licensing agent for the student and will oversee the completion of all licensing requirements with the student and parents/guardian.

To be eligible for a **Learner's Permit**, the following criteria must be met:

- Must be 15 & 6 months to obtain a learner's permit;
- Need a birth certificate
- Need a social security card;
- Need to show proof of residency;
- Must pass a vision screening and a two-part knowledge exam.

To obtain a valid **Virginia driver's license**:

- Must pass classroom driver's education (36 hours);
- Must complete behind the wheel (14 hours);
- Must be at least 16 and 3 months;
- Must hold a Virginia learner's permit for nine (9) months;
- Must drive 45 hours with 15 hours being at night;
- Must keep a driving log of the 45 hours.

Advanced Physical Education
SCED Code: 08003
Grade Level: 11-12 *Credit: 1*
Prerequisite: Teacher Recommendation and a "B" average or better in both Health and Physical Education 9 and Health, Physical Education 10, and Driver Education (this includes grades earned and good participation). Advanced PE can be taken once for credit.

This elective course is designed to promote and further develop a deeper understanding and practical application of lifetime wellness, fitness, and health. Advanced Physical Education will build on the foundation established in the ninth and tenth-grade physical education classes. This is primarily an activities-oriented class with an additional academic focus on specific lifetime

wellness, fitness, and health issues. This course is designed to encourage and enable the students to make knowledgeable decisions regarding wellness behaviors and to develop the skills necessary for promoting optimal well-being and a high quality of life. ***This course may not be taken in same semester as Weightlifting.***

Weight Lifting
SCED Code: 08009
Grade Level: 11-12 *Credit: 1*
Prerequisite: Teacher Recommendation and a "B" average or better in both required courses including grades earned and good participation. Weightlifting can be taken twice for credit.

Topics covered include an introduction to weightlifting and conditioning for a lifetime of fitness – free weights, machines, exercise bikes, jogging, and stretching. The use of the weight room and safety precautions involved in the correct weight room procedure will also be covered. Students must be in class to earn points and must dress out every day. ***This course may be taken twice but not in the same semester as Advanced Physical Education.***

Introduction to Sports Medicine
SCED Code: 14062
Grade Level: 11-12 *Credit: 1*
Prerequisite: None

This course is designed for students in grades eleven and twelve who have interests in pursuing future studies in the fields of sports medicine, physicians/doctors, physical therapy, nursing, human anatomy/physiology, personal training, exercise physiology and/or becoming a certified athletic trainer. This class will offer students a foundation of human anatomy and physiology and apply this knowledge in the rapidly growing field of sports medicine. All students enrolled will receive the latest training in emergency first aid, CPR (Adult, Child, and Infant) and AED, injury recognition & evaluation, injury mechanisms, injury rehabilitation techniques, and numerous other health & medicine topics. This course is designed to develop an understanding and practical application of basic athletic training/sports medicine principles. The student will gain an educational experience that will be valuable in pursuing a potential medically related (SATA) program. All students will be encouraged to actively apply their knowledge of sports medicine in the NCHS after school Student Athletic Training Aide Program. A Nationally Certified Athletic Trainer (NATABOC) will supervise all Student Athletic Training Aides.

WORLD LANGUAGES

Students pursuing the Advanced Studies diploma must complete a foreign language. Students can take three years of one language or two years of two languages.

French I
SCED Code: 24102
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

French I is an introduction to the language. Students develop a basic level of proficiency in listening comprehension, speaking, reading, and writing French. They also develop a basic understanding of French culture.

French II
SCED Code: 24103
Grade Level: 9-12 *Credit: 1*
Prerequisite: "B" or better in French I is strongly recommended; teacher recommendation
This course builds competency in listening comprehension, speaking, reading, and writing skills with a strong emphasis on grammar and verb conjugation. More complex sentence structure is introduced. Throughout the course, cultural awareness is woven into intensive grammar lessons.

French III
SCED Code: 24104
Grade Level: 10-12 *Credit: 1*
Prerequisite: "B" or better in French II is strongly recommended; teacher recommendation

This course intensifies the use of the language in the classroom based on the grammatical building blocks learned in French I & II. Rigorous work with verbs and grammar solidifies students'

competency and leads to the use of the language for personal expression.

French IV
SCED Code: 24105
Grade Level: 11-12 *Credit: 1*
Prerequisite: "B" or better in French III is strongly recommended, teacher recommendation

Modern usage and student familiarity with everyday French language is emphasized. Continuation of French III's rigorous work with verb and grammar usage is stressed. Cultural enrichment and current events as vehicles for developing oral proficiency are emphasized.

French V
SCED Code: 24106
Grade Level: 11-12 *Credit: 1*
Prerequisite: "B" or better in French IV is strongly recommended, teacher recommendation

This course enhances the student's appreciation for French culture and heritage through reading and analysis of original French literature portraying both French society and philosophy. Curriculum will be a mix of French culture, geography, history, and short stories according to student and teacher interest.

Conversational French
SCED Code: 24109
Grade Level: 9-12 *Credit: 1*
Prerequisite: Prerequisite: "B" or better in French III is strongly recommended and students take this course between French III and French IV, teacher recommendation

The goal of this elective class is to help students improve upon their French communicative skills within an everyday setting. This class will help students to speak, listen, read, and write in the target language. This class is intended for students who wish to continue their mastery in French, without the added struggle of literary analysis that French IV currently offers.

Spanish I
SCED Code: 24052
Grade Level: 9-12 *Credit: 1*
Prerequisite: None
Spanish I is a beginning level course focusing on the four aspects of learning a new language – listening, speaking, reading, and writing, plus cultural appreciation and survey. Vocabulary and grammatical structures are very basic. Fluency in the language emphasizes speaking in first person.

Spanish II
SCED Code: 24053
Grade Level: 9-12 *Credit: 1*
Prerequisite: "C" or better in Spanish I strongly recommended; teacher recommendation

Spanish II is a beginning level course that continues the concepts of Spanish I while increasing vocabulary, comprehension and writing skills. Oral skills are reinforced and move from focusing on first person to also include third person. Cultural studies also become more specific to cities within the Spanish-speaking world.

Spanish III
SCED Code: 24054
Grade Level: 9-12 *Credit 1*
Prerequisite: "C" or better in Spanish II strongly recommended; teacher recommendation

Spanish III is an intermediate level course that integrates and expands upon the basic structures and vocabulary of levels I and II. Vocabulary becomes more sophisticated and age-appropriate and grammar and grammatical structures become more rigorous. Cultural studies also expand to historical and literary references prevalent in Spanish and Latino culture.

Spanish IV
SCED Code: 24055
Grade Level: 11-12 *Credit: 1*
Prerequisite: "C" or better in Spanish III strongly recommended; teacher recommendation

Spanish IV is a review and expansion of basic speaking, listening, reading, and writing skills as they relate to a variety of media. The course includes a study of the history, geography,

literature, arts and sciences, and customs of Spain and Latin America, with emphasis on literary analysis and speaking skills. The skills learned in the previous three years of study of the Spanish language are refined.

Spanish V
SCED Code: 24056
Grade Level: 11-12 *Credit: 1*
Prerequisite: "C" or better in Spanish IV strongly recommended; teacher recommendation

The course will include the reading of annotated literary works in Spanish and the refinement of grammatical skills and fluency, especially in both speaking and writing. Original works of Spanish literature are read and analyzed. Oral presentations and formal essays are a requirement.

Spanish I for Heritage Language Learners - (SHL I)
SCED Code: 24057
Grade Level: 9-12 *Credit: 1*
Prerequisite(s): Teacher recommendation and interview with the instructor

This introductory course is designed for native and heritage learners of Spanish to replace the traditional Spanish course of Spanish as a Foreign Language. Successful completion earns the student one foreign language credit. The course assumes significant exposure to Spanish and takes students to an intermediate level of reading and writing. Students will explore and study Spanish with strong emphasis on the foundations of Spanish grammar. They will obtain a range of practice in oral and written skills in the Spanish language and will expand their bilingual abilities in a wide range of contexts and opportunities. They will also learn more about the contributions of the Hispanic/Latino cultural heritage in the United States. Students in the Heritage class progress more rapidly than in the traditional Spanish class. The course may be offered as a stand-alone or blended course. This course is also open to Spanish as a Foreign Language learners that have passed the standard Spanish III course with a grade of B or above and are qualified to take the upper level classes of Spanish. To these students this course is the equivalence of the standard Spanish IV or standard Spanish V course.

Spanish II for Heritage Language Learners - (SHL II)
SCED Code: 24057
Grade Level: 9-12 *Credit: 1*
Prerequisite(s): Spanish for Heritage Language Learners I or Teacher Recommendation

This mid-level course is designed for native and heritage learners of Spanish who have successfully completed Spanish for Heritage Language Learners I or have been recommended by a Spanish teacher. The successful completion of the course earns the student one foreign language credit. The class focuses on reading, writing and grammar. Students will explore and study Spanish language and an introduction and exploration of Latin American history with the goal of continuing to strengthen their bilingual abilities in a wide range of contexts and opportunities. Students must possess an intermediate reading and writing level, the ability to write complete sentences and a coherent paragraph in Spanish. This course builds upon Spanish for the Heritage Language Learners I and students continue to progress more rapidly than in the traditional Spanish class. The course may be offered as a stand-alone or blended course. This course is also open to Spanish as a Foreign Language learners that have passed the standard Spanish III course with a grade of B or above and are qualified to take the upper level classes of Spanish. To these students this course is the equivalence of the standard Spanish IV or standard Spanish V course.

Spanish III for Heritage Language Learners - (SHL III)
SCED Code: 24057
Grade Level: 9-12 *Credit: 1*
Prerequisite(s): Spanish for Heritage Language Learners I & II or Teacher Recommendation

This advanced level course is designed for native and heritage language learners of Spanish who have successfully completed Spanish for Heritage Language Learners II or have been recommended by a Spanish teacher. Students will refine

language and their bilingual skills through the continued study of reading, writing and grammar, as well as vocabulary development and in-depth study of Spanish-speaking countries and their culture. Students will explore and study the varieties of the Spanish language and culture with strong emphasis on literature and social issues within the diverse cultures of Iberian and Latin American Spanish with the goal of continuing to solidify their bilingual abilities in a wide range of contexts and opportunities. The course may be offered as a stand-alone or blended course. This course is also open to Spanish as a Foreign Language learners that have passed the standard Spanish III course with a grade of B or above and are qualified to take the upper level classes of Spanish. To these students this course is the equivalence of the standard Spanish IV or standard Spanish V course.

FINE ARTS - ART

Art I
SCED Code: 05154
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

This course is focused on developing a knowledge base of art materials and techniques. Drawing, painting, sculpture, and mixed media are among the art forms addressed in this class. The different functions of art in society and how our choice of materials and techniques can enhance the effectiveness of art will be explored.

Art II
SCED Code: 05154
Grade Level: 9-12 *Credit: 1*
Prerequisite: Positive participation grade of at least 80% in Art I.

This course will focus on the function of art on a global and historical scale. The art is theme or concept-based, meaning that the idea, not the material, is central. Art projects are the culmination of ideas drawn from the study of other cultures, combined with the students' own concepts of their culture or subculture.

Art III
SCED Code: 05154
Grade Level: 10-12 *Credit: 1*
Prerequisite: Positive participation grade of at least 80% in two high school level art classes.

This course will explore more challenging art media. The objective for each assignment is to create a work of art that is visually compelling and addresses the theme in a unique manner, while developing skill of the assigned medium.

Art IV
SCED Code: 05154
Grade Level: 11-12 *Credit: 1*
Prerequisite: Positive participation grade of at least 80% in three high school level art classes.

In this course, students will work with developing their portfolios in order to prepare for college-level art courses. Students focus on developing drawing and painting abilities while creating fast-paced visual assignments. Students develop skill at "speaking" to the viewer through a resolved composition. At this level, students can receive more individual attention to develop in their unique areas of need. At the end of the course, students are working toward their own artistic goals.

Painting/Printmaking
SCED Code: 05199
Grade Level: 9-12 *Credit: 1*
Prerequisite: Positive participation grade of at least 80% in Art I.

Students paint with watercolor, tempera, acrylic, and oil paint on a variety of surfaces. Various styles and techniques of painting are explored. Artists from various time periods and cultures are discussed in relation to the materials and styles being addressed.

3-D Art
SCED Code: 05158
Grade Level: 9-12 *Credit: 1*
Prerequisite: Positive participation grade of at least 80% in Art I.

Students create three-dimensional works using a variety of media (paper, clay, plaster, wood, and

wire). They learn to use additive as well as subtractive methods for forming their sculptures. Students also make hand-built ceramics and may make pottery on the potter's wheel. Several major sculptors and potters are studied.

FINE ARTS - DRAMA

Introduction to Drama
SCED Code: 05052
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

Students will study the origin of drama and the basic concepts of theater. Students will learn basic acting techniques, the history of theater, and technical theater. Students will be required to participate in productions. ***Writing is required***.

Intermediate Drama
SCED Code: 05058
Grade Level: 10-12 *Credit: 1*
Prerequisite: "B" average recommended in Introduction to Drama

Students will continue to develop their acting skills, diction, and performance, plus take an in-depth look at what happens in all aspects of production including set design and direction. Monologues and scenes are prepared. Students will be required to participate in productions.
***Writing is required.**

Advanced Drama
SCED Code: 05057
Grade Level: 11-12 *Credit: 1*
Prerequisite: "B" average recommended in Intermediate Drama; Audition

Students will study acting first hand and develop many productions. Students will participate in one-act play competitions and travel to experience live theater. Monologues and scenes are prepared. This course can be taken up to four times.

Film Studies SCED Code: 11056
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

Students will view films stretching across the ages, discuss, and write about their findings.
***Writing is required.**

Performing Musical Theatre
SCED Code: 05060
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

Students in this course investigate career opportunities in music, media tools, and the creation, editing, presentation, and/or comprehension of new works of music.

FINE ARTS - BAND

Band
SCED Code: 05101
Grade Level: 9-12 *Credit: 1*
Prerequisite: 8th Grade Band
This group consists of students who have learned how to read music and want to improve their instrumental skills. Emphasis is on learning to perform with a group of musicians. ***Instrumental students that are unable to participate in marching band due to conflicting athletics or other activities are allowed to take concert band and encouraged to do so.*** Concert band typically performs at least one public concert and participates in the District 13 Festival Assessment. Participation in scheduled performances as outlined in the course syllabus is required.

Jazz Band
SCED Code: 05149
Grade Level: 9-12 *Credit: 1*
Prerequisite: Eighth Grade Band; Audition in the spring of the previous year.

This group consists of students who have a desire to study jazz styles and improvisation with an emphasis on performance. Participation in scheduled performances as outlined in the course syllabus is required.

FINE ARTS - CHORUS

Chorus
SCED Code: 05110
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

Chorus is an integrated course of study of classical, gospel, and contemporary music. Students are given the opportunity to develop vocal skills, improve music theory knowledge, and perfect stage performance abilities. Exposure is gained through written and vocal exercise experiences. Participation in public performances as outlined in the course syllabus is required.

Show Choir
SCED Code: 05149
Grade Level: 9-12 *Credit: 1*
Prerequisite: One year of choir; audition

The Nelson County High School Show Choir is a select vocal ensemble made up of advanced vocal students who can blend their vocal and showmanship talents with their ability to learn choreography and staging. The Show Choir enrollment is open to 9th, 10th, 11th, and 12th grade students who have had experiences in vocal performance (one year of choir at middle or high school preferred) and who possess the talent and maturity to represent Nelson County High School as it is a premier vocal performance ensemble. Students in the Show Choir will experience numerous types of music including madrigals, Broadway stage and production music, and jazz. Participation in scheduled public performances as outlined in the course syllabus is required.

It is the goal of the Show Choir to perform at local, state, and national show choir competitions. ***Note: Students in the Show Choir will not be required to enroll in concert chorus during the school year, but will be responsible for learning all music of the concert chorus in order to participate in joint performances***.

FINE ARTS - PHOTOGRAPHY

Photography I
SCED Code: 05167
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

This course is designed to increase understanding of the history of photography, digital and conventional photography, cameras, films, photographic papers, darkroom capabilities, and print finishing. Students will produce works using black and white and color film, as well as digital cameras. Projects include, but are not limited to, photograms, regular prints, vignettes, solarizations, photo sketches, and colorized photos. Careers related to photography will be discussed. Adobe Photoshop will be used to manipulate digital and scanned photos. Students will maintain a portfolio that illustrates progress in the class.

Photography II
SCED Code: 05167
Grade Level: 9-12 *Credit: 1*
Prerequisite: Photography I

This course will expand on the study of black and white photography and digital processes. Students will acquire and apply in-depth knowledge of photographic equipment, film, and specialized processes to include digital and conventional applications. Students will investigate a range of photographic methods and techniques, such as hand coloring, toning, and photography montage from an historic perspective. They will learn to critique and evaluate personal artwork and photographic works of others and examine photography and its relationship to other art forms. Students will prepare a portfolio of meaningful photographic artworks that demonstrate expressive content and quality of craftsmanship.

FINE ARTS- YEARBOOK

Yearbook I
SCED Code: 05162
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

This class produces the NCHS yearbook. Students are provided experience in computer design, journalism skills, yearbook thematic development, photography and editorial decisions, and making contacts within the business community. The staff meets both semesters during the scheduled class time and during out-of-school hours when necessary.

Yearbook II
SCED Code: 05162
Grade Level: 9-12 *Credit: 1*
Prerequisite: Yearbook I

This class produces the NCHS yearbook. Students are provided experience in computer design, journalism skills, yearbook thematic development, photography and editorial decisions, and making contacts within the business community. The staff meets both semesters during the scheduled class time and during out-of-school hours when necessary.

CTE - AGRICULTURE

CTE courses are centered on competency-based instruction, providing students with authentic, hands-on learning experiences that allow them to develop and practice the skills and abilities required in today's modern job market. Class participation is required, ensuring ample opportunities for students to demonstrate proficiency in each course's respective competencies. Excessive absences and time out of class due to discipline will dramatically impact a student's ability to engage in relevant and rigorous coursework and overall competency attainment. Discipline stemming from actions or behavior within the CTE classroom that impacts student safety or violates OSHA regulations may result in removal from the course.

Foundations of Agriculture, Food, and Natural Resources I (AG. I)
SCED Code: 18001
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

Approximately one-half of this course is devoted to agricultural mechanics, with emphasis placed on skill development in basic metals, tool fitting and cold metals, basic arc welding, sheet metal, soldering and brazing, plan reading and sketching, and hand woodworking. The remainder of the course emphasizes the development of competencies in plant sciences, rural and urban living, natural resource conservation, and leadership development through the Future Farmers of America (FFA). **All agriculture classes are limited to 20 students**.

Introduction to Animal Systems II (AG. II)
SCED Code: 18101
Grade Level: 9-12 *Credit: 1*
Prerequisite: Foundations of Agriculture, Food, and Natural Resources I (Ag. I) is recommended, but not required

Approximately one-half of this course is devoted to agricultural mechanics with emphasis placed on skill development in fundamentals of electricity, arc and gas welding, diesel engine maintenance, tractor operation and safety, and power woodworking. Instruction for the remainder of the course is in animal science dealing with cattle, sheep, horses, and poultry. Natural resource conservation and leadership skills are developed. Students can be involved in the FFA, which is co-curricular and an integral part of the program. **All agriculture classes are limited to 20 students**.

Agricultural Production Technology III (AG. III)
SCED Code: 18301
Grade Level: 10-12 *Credit: 1*
Prerequisite: Foundations of Agriculture, Food, and Natural Resources I (Ag. I) and preferably Introduction to Animal Systems II (Ag. II)

This is a course designed to help students broaden their knowledge of agriculture and their experience in mechanical training. Specialized

emphasis is placed on power woodworking; small engine maintenance and repair; soils, crop, and environmental science; the use of concrete; introduction to carpentry; and advanced arc stick welding. Leadership skills are developed through the FFA, which is co-curricular and an integral part of the program. **All agriculture classes are limited to 20 students**.

Livestock Production Management IV (AG. IV)
SCED Code: 18301
Grade Level: 11-12 *Credit: 1*
Prerequisite: Agricultural Production Technology III

This class is ideal for students considering going directly into the world of work upon graduation and having an interest in becoming proficient in the production and marketing of agricultural products or planning to attend a two- or four-year college with an interest in Mechanics, Agriculture, Marketing, Management, or Forestry. Specialized emphasis is placed on forestry and forest management, wildlife management, agricultural law, chainsaw safety and repair, advanced power woodworking, MIG & TIG welding, and advanced mechanics. Leadership skills are developed through the FFA, which is co-curricular, and an integral part of the program. **All agriculture classes are limited to 20 students**.

Operating the Farm Business V (AG. V)
SCED Code: 18001
Grade Level: 11-12 *Credit: 1*
Prerequisite: Agriculture Production Management IV

This course is directed to those students who plan to enter a career in agriculture or agriculture business either right after high school or after completing a two- or four-year college program. Units of instruction include pesticide safety and application (students will complete the state requirements to obtain their Pesticide Applicator's License). Units in agricultural business management, advanced technical skills in computer operations in agriculture, basic masonry, and introductory land and forest surveying are also covered. Students will use surveying equipment provided by the department. Students in the advanced mechanics unit have the opportunity to plan and/or design a major mechanics project to be completed in the mechanics lab. Leadership skills are developed through the FFA, which is co-curricular and an integral part of the program.

Possibility of earning an additional agriculture elective credit
Students who participate in the Production Agriculture FFA will be eligible for an additional (one) credit per year providing they have completed the following requirements by the end of each school year:

- They must have paid their FFA dues and be enrolled in a class in the Agriculture Education Program.
- They must have collected at least 50 participation points through the FFA points system.
- They must have earned at least one-chapter participation point in each of the following areas by the end of the school year: (a) community service; (b) career development events; (c)earnings, savings, and investments activities; (d) leadership development projects; (e) cooperation and citizenship activities; (f) conduct of meetings; (g) scholarship; (h) public relations; and, (i) recreation.
- It is the agriculture student's responsibility to make sure that the points have been recorded accurately by the FFA Advisor in the appropriate time frame as specified by the Chapter Points Guidelines.
- Every effort will be made to inform the students of Nelson County High School when FFA activities will take place. It will be the responsibility of the student to frequently visit the Agriculture Education Program during the school year to remain informed of upcoming chapter activities. Not knowing an activity existed is not an excuse for not participating and gaining points for the additional high school credit.

In the event of unforeseen circumstances or a situation that could not be determined at the

beginning of the school year, (i.e. extended illness, school closings, etc.) amendments to the requirements can be made with the chapter advisor, chapter president, and with the principal's permission.
The student must successfully complete the Agriculture class in which he/she is enrolled.
It is recommended that all courses listed for the Agricultural Education Program are taken in sequence whenever possible. Exceptions can only be made with the classroom instructor's permission. **All agriculture classes are limited to 20 students**.

Introduction to Agriculture Power
SCED Code: 18401
Grade Level: 9-10 *Credit: 1*
Prerequisite: None

This introductory course will serve as a prerequisite for both Ag Power Systems and Ag Fabrication. It prepares students for careers in agricultural mechanics, fabrication, and construction. Students will receive instruction and hands-on experiences using tools, building agricultural structures, welding, working with electricity, carpentry and operating, maintaining, and repairing agricultural machinery and equipment. **All agriculture classes are limited to 20 students**.

Agriculture Power Systems
SCED Code: 18402
Grade Level: 10-12 *Credit: 1*
Prerequisite: Introduction to Agriculture Power

Agricultural Power Systems prepares students for careers in agricultural machinery service. Areas of focus include engines; powertrains; and hydraulic, electrical, and fuel systems. **All agriculture classes are limited to 20 students**.

Agriculture Fabrication
SCED Code: 18404
Grade Level: 10-12 *Credit: 1*
Prerequisite: Agriculture Power Systems

Students will receive instruction in metal fabrication, including cutting, welding, and cold metalworking processes for agricultural applications. The course will also include the investigation of emerging technologies used within the field of agriculture. Leadership and career skills will be incorporated throughout. **All agriculture classes are limited to 20 students**.

CTE - AUTOMOTIVE TECHNOLOGY

CTE courses are centered on competency-based instruction, providing students with authentic, hands-on learning experiences that allow them to develop and practice the skills and abilities required in today's modern job market. Class participation is required, ensuring ample opportunities for students to demonstrate proficiency in each course's respective competencies. Excessive absences and time out of class due to discipline will dramatically impact a student's ability to engage in relevant and rigorous coursework and overall competency attainment. Discipline stemming from actions or behavior within the CTE classroom that impacts student safety or violates OSHA regulations may result in removal from the course.

Auto Technology I
SCED Code: 20117
Grade Level: 10 (only) *Credit: 2*
Prerequisite: None

In this yearlong course, students are introduced to the world of auto mechanics. Time in the class and lab are focused on working safely, tools and equipment, careers, and the basics in the four Automotive Service Excellence (ASE) areas of electrical systems, engine performances, brakes, and steering/suspension. **All auto classes are limited to 20 students**.

Auto Technology II
SCED Code: 20117
Grade Level: 11 (only) *Credit: 2*
Prerequisite: Auto Technology I; Teacher Recommendation

In this year long course, class and lab work are continued to build skills in the auto mechanics field. Auto Technology II thoroughly covers brake systems and steering/suspension systems. Students also complete several units in electrical

systems and engine performance. Students must complete both semesters in order to earn credit for this course. **All auto classes are limited to 20 students**.

Auto Technology III
SCED Code: 20117
Grade Level: 12 (only) *Credit: 2*
Prerequisite: Auto Technology II; Teacher Recommendation

In this year-long course, the ASE areas of electrical systems and engine performance are completed. Students spend considerable time troubleshooting electrical problems and using test equipment to diagnose engine performance problems. Students use service manuals and schematics extensively. Students must complete both semesters in order to earn credit for this course. **All auto classes are limited to 20 students**.

CTE - WELDING

CTE courses are centered on competency-based instruction, providing students with authentic, hands-on learning experiences that allow them to develop and practice the skills and abilities required in today's modern job market. Class participation is required, ensuring ample opportunities for students to demonstrate proficiency in each course's respective competencies. Excessive absences and time out of class due to discipline will dramatically impact a student's ability to engage in relevant and rigorous coursework and overall competency attainment. Discipline stemming from actions or behavior within the CTE classroom that impacts student safety or violates OSHA regulations may result in removal from the course.

Welding I
SCED Code: 13207
Grade: 11 (only) *Credit: 2*
Prerequisite: None

Students in Welding I are taught to use manual welding, cutting, and electrical arc welding processes to fabricate and join metal parts according to diagrams, blueprints, and specifications. Students will also learn all safety-related practices and techniques, including earning the OSHA 10 card. **All welding classes are limited to 15 students**.

Welding II
SCED Code: 13207
Grade: 12 *Credit: 2*
Prerequisite: Welding I

This course teaches advanced welding students how to fine-tune their craft and to perform welds in various positions, using multiple welding processes. Students prepare to pass relevant industry certifications. **All welding classes are limited to 15 students**.

CTE - ELECTRICITY

CTE courses are centered on competency-based instruction, providing students with authentic, hands-on learning experiences that allow them to develop and practice the skills and abilities required in today's modern job market. Class participation is required, ensuring ample opportunities for students to demonstrate proficiency in each course's respective competencies. Excessive absences and time out of class due to discipline will dramatically impact a student's ability to engage in relevant and rigorous coursework and overall competency attainment. Discipline stemming from actions or behavior within the CTE classroom that impacts student safety or violates OSHA regulations may result in removal from the course.

Electricity I
SCED Code: 17102
Grade: 10-11 *Credit: 1*
Prerequisite: None

Students will develop fundamental electrical skills to help them prepare for a career in the installation, operation, maintenance, and repair of residential, commercial, and industrial systems. Students will engage in hands-on activities in a lab setting. They will be introduced to residential wiring of houses and apartments; commercial wiring of retailers, schools, businesses, and

hospitals; and industrial wiring of factories. **All electricity classes are limited to 20 students**.

Electricity II
SCED Code: 17102
Grade: 11-12 *Credit: 1*
Prerequisite: None
Students will continue to develop electrical skills to help them prepare for a career in the installation, operation, maintenance, and repair of residential, commercial, and industrial systems. Students will engage in hands-on activities in a lab setting. They will be introduced to residential wiring of houses and apartments; commercial wiring of retailers, schools, businesses, and hospitals; and industrial wiring of factories. **All electricity classes are limited to 20 students**.

CTE - BUSINESS

Economics and Personal Finance
SCED Code: 19262
Grade Level: 10-12 *Credit: 1*
Prerequisite: None

This course will present economic concepts that help students interpret the daily news, understand how interdependent the world's economies are, and anticipate how events will impact their lives. On a personal level, students will learn that their own human capital (knowledge and skills) is their most valuable resource and that investing in education and training improves the likelihood of their future economic success. This course will also help students develop thinking skills that include analyzing real-world situations, economic reasoning, decision making, and problem solving. ***Graduation requirement.***

Exploring Computer Science
SCED Code: 10254
Grade Level: 9-12 Credit: 1
Prerequisite: None

Exploring Computer Science introduces the essential technical and professional skills required for students to pursue programs leading to professional careers and Information Technology (IT) certifications. The focus of this course is the introduction of skills related to information technology basics, Internet fundamentals, network systems, computer maintenance, upgrading, troubleshooting, computer applications, programming, graphics, Web page design, and interactive media. Students explore ethical issues related to computers and Internet technology and develop teamwork and communication skills that will enhance their employability.

Principles of Business and Marketing
SCED Code: 12051
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

Students discover the roles of business and marketing in the free enterprise system and the global economy. Basic financial concepts of banking, insurance, credit, inheritance, taxation, and investments are investigated to provide a strong background as students prepare to make sound decisions as consumers, wage earners, and citizens. The real-world impact of technology, effective communication, and interpersonal skills is evident throughout the course. This course also supports career development skills and explores career options.

Entrepreneurship Education
SCED Code: 12053
Grade Level: 9 – 12 *Credit: 1*
Prerequisite: None

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

Advanced Entrepreneurship
SCED Code: 12053
Grade Level: 9 – 12 *Credit: 1*
Prerequisite: None

This course builds upon foundational concepts and techniques for planning an innovative business and living the entrepreneurial lifestyle.

Career Strategies
SCED Code: 22250
Grade Level: 9 – 12 *Credit: 1*
Prerequisite: None

Career Strategies consists of an in-depth study of career clusters and pathways through a variety of investigative activities. Students analyze career assessment results, compare various educational options, and develop or revise a plan related to their academic and career-related goals. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

CTE - FAMILY & CONSUMER SCIENCES

Living On Your Own
SCED Code: 22904
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

Students enrolled in this course focus on managing resources in order to achieve individual goals. They learn to make informed consumer choices, how to create and maintain a living environment that supports the well-being of individuals, and how to live in a global society. They also learn how to make decisions related to nutrition, clothing, and managing a household.

Nutrition & Wellness
SCED Code: 19253
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

This course focuses on making choices that promote wellness and good health. Students analyze relationships between psychological and social needs and food choices, and learn to choose foods that promote wellness. They learn to obtain and store food for self and family and how to prepare and serve nutritious snacks and meals. In addition, they learn how to select and use food preparation equipment and to identify strategies to promote optimal nutrition and wellness in society.

Introduction to Early Childhood Education
SCED Code: 19153
Grade Level: 10-12 *Credit: 1*
Prerequisite: None

Child care and education competencies focus on the principles of child growth and development; development of self-concepts and building self-esteem; learning experiences for children; principles of guiding children; healthy and safe environments; career development; and careers related to child care.

Early Childhood Education I
SCED Code: 19153
Grade Level: 10-12 *Credit: 2*
Prerequisite: None

Child care and education competencies focus on the principles of child growth and development; development of self-concepts and building self-esteem; learning experiences for children; principles of guiding children; healthy and safe environments; career development; and careers related to child care.

DE Virginia Teachers for Tomorrow I
SCED Code: 19151
Grade Level: 11-12 *Credit: 1*
Prerequisite: Grade Point Average of a B/3.0 or higher; Teacher Recommendation

This course introduces prospective teacher candidates to typical child and adolescent development in areas such as cognitive, social, emotional, physical development in order to develop expectations and curriculum that is age-appropriate. Students will review the latest research on the brain and learning and develop an understanding of student motivation. Students learn about the effects of family disruptions, substance abuse, trauma, child abuse, neglect and other adverse childhood experiences and how to help children build resilience. The program is an orientation to the teaching profession. Students participate in a variety of activities including, but

not limited to, discussion, simulation, debate, observations, videotaped lessons, and field experience. Field experience consists of observation and participation in public school classrooms to collect data on the school environment and participate as an intern. Students will discuss both positive and negative aspects of teaching as a career and learn about educational career opportunities. Also included is a self-assessment to obtain a clear picture of each student's personal interests and abilities. **Students have the opportunity to earn University of Lynchburg course credit in EDUC 120. The class is limited to 15 students**.

DE Virginia Teachers for Tomorrow II
SCED Code: 19151
Grade Level: 11-12 *Credit: 1*
Prerequisite: DE Virginia Teachers for Tomorrow I; Grade Point Average of a B/3.0 or higher; Teacher Recommendation

Students will examine the historical, philosophical, and sociological themes in American Education and investigate current issues affecting schools today. They will explore the legal and ethical aspects of the teaching profession as well as school organization and culture. Students will be introduced to the professional standards for teachers. Students participate in a variety of activities including, but not limited to, discussion, simulation, debate, observations, videotaped lessons, and field experience. Field experience consists of observation and participation in public school classrooms to collect data on the school environment and participate as an intern. Students will discuss both positive and negative aspects of teaching as a career and learn about educational career opportunities. Also included is a self-assessment to obtain a clear picture of each student's personal interests and abilities. **Students have the opportunity to earn University of Lynchburg course credit in EDUC 210. The class is limited to 15 students**.

CTE - HEALTH SCIENCES

Introduction to Health and Medical Sciences
SCED Code: 14001
Grade Level: 10-12 *Credit: 1*
Prerequisite: None

This course introduces students to human growth and development, medical terminology, medical abbreviations, human anatomy and physiology, and disease processes. Students also participate in career exploration of various job opportunities available in the medical field. This course is designed for students who have an interest in working in the health care field and will provide students with basic knowledge about the human body and health care.

DE Nurse Aide
SCED Code: 14002
Grade Level: 11-12 *Credit: 2*
(Seniors will be given priority.)

Prerequisite: Introduction to Health and Medical Sciences completion; final grade of B average or better, overall good academic performance; attendance and disciplinary standing required.; Teacher Recommendation, good academic standing, a good disciplinary and attendance record and a GPA of 2.0, or a SAT score greater than or equal to 500 or an ACT score greater than or equal to 17.
Students have the opportunity to earn PVCC course credit in HLT 100, HLT 130, and HLT 141.

This course teaches students the basic nurse aide skills (bathing, feeding, dressing, etc.) with an emphasis on the physical, social, emotional and spiritual needs of the residents for whom they provide care. This course teaches students communication skills, safety, infection control, human anatomy and physiology, nutrition, ethics and basic nursing assistant skills that are needed to enter the workforce as a Certified Nursing Assistant (CNA). The Virginia Board of Nursing requires that nurse aide students participate in clinical training at a long-term care facility. Clinical attendance is mandatory for completion of the program. In order to be eligible to take the

National Nurse Aide Assessment Examination (NNAAP), a minimum of 140 hours of classroom and a minimum of 40 hours of clinical are mandated by the National Council of State Boards of Nursing, Inc. (NCSBN). The NNAAP Examination is an evaluation of nurse aide related knowledge, skills, and abilities. The NNAAP exam is made up of both a Written, or Oral exam and a Skills Evaluation. The purpose of the NNAAP exam is to test that you understand and can safely perform the job of an entry level nurse aide. ***After completion of this course, students are required to take the Certified Nursing Assistant Exam.*** **The CNA exam is made up of a written or oral examination and a skills evaluation; both parts have to be passed in order to be certified as a nurse aide in Virginia.** If space is limited during a semester, students may be required to attend an interview session to determine placement. **All Nurse Aide classes are limited to 10 students per semester**.

CTE - HORTICULTURE

CTE courses are centered on competency-based instruction, providing students with authentic, hands-on learning experiences that allow them to develop and practice the skills and abilities required in today's modern job market. Class participation is required, ensuring ample opportunities for students to demonstrate proficiency in each course's respective competencies. Excessive absences and time out of class due to discipline will dramatically impact a student's ability to engage in relevant and rigorous coursework and overall competency attainment. Discipline stemming from actions or behavior within the CTE classroom that impacts student safety or violates OSHA regulations may result in removal from the course.

Horticulture Sciences
SCED Code: 18052
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

This course covers the fundamentals of plant science, plant identification, growth, and reproduction. The course also introduces basic concepts in landscape design and floriculture. **All Horticulture classes are limited to 20 students**.

Greenhouse Plant Production and Management
SCED Code: 18052
Grade Level: 10-12 *Credit: 1*
Prerequisites: Horticulture Sciences

Students enrolled in this course learn the operating procedures for a greenhouse. Units of instruction include developing plant production facilities, science application in plant production, and identification of plants. Business management and marketing skills are emphasized to prepare students for careers in the greenhouse plant production and management industry. **All Horticulture classes are limited to 20 students**.

Floral Design I
SCED Code: 18056
Grade Level: 10-12 *Credit: 1*
Prerequisite: Horticulture Sciences
This course offers an expanded study of floral design. Course content covers career opportunities, floral design foundations, design applications, and the marketing of floral products. Specific design styles to be examined include mass, mass-line, line, vase, wedding, balloon, holiday, and personal-adornment arrangements. **All Horticulture classes are limited to 20 students**.

Floral Design II
SCED Code: 18056
Grade Level: 10-12 *Credit: 1*
Prerequisite: Floral Design I

Course content covers a wide range of specialty floral designs, including historical designs, contemporary designs, oriental designs, seasonal designs, floriography, and designs for dried arrangements, novelty pieces, special events, and sympathy work. The business aspect of the industry is addressed through the study of pricing, advertising, shop design, wire services, delivery processes, professional organizations, sales techniques, and continuing education. **All Horticulture classes are limited to 20 students**.

Landscaping
SCED Code: 18054
Grade Level: 10-12 *Credit: 1*
Prerequisite: Horticulture Sciences

In this course, students develop the necessary knowledge, skills, habits, and attitudes for entry-level employment and advancement in areas such as landscape design, landscape construction, and landscape maintenance. They receive instruction in sketching and drawing, analyzing a landscape site, designing for function and aesthetics, identifying and selecting landscape plants, purchasing and installing plants, and maintaining the landscape by watering, fertilizing, mulching, pruning, and controlling pests. **All Horticulture classes are limited to 20 students**.

CTE - TECHNOLOGY

All technology courses will satisfy the virtual course requirement.

Digital Visualization
SCED Code: 11153
Grade Level: 9-12 *Credit: 1*
Prerequisite: none

Students gain experiences related to computer animation and environment design by using Photoshop. Students solve problems involving 3-D object manipulation, storyboarding, texturing/mapping, lighting concepts, environmental geometry, and game design. Production of a portfolio showcasing examples of original student work is included.

Intro to Game Design
SCED Code: 10205
Grade Level: 10-12 *Credit: 1*
Prerequisite: none

Students will explore the world of programming through game design. Using Unreal Engine 4 students will create a fully functional game that can be exported to any platform. Topics that will be covered are game art, narrative design, incorporating audio, logic and programming, marketing strategies, careers, history, ethics, industry, and teamwork.

CTE - COSMETOLOGY

CTE courses are centered on competency-based instruction, providing students with authentic, hands-on learning experiences that allow them to develop and practice the skills and abilities required in today's modern job market. Class participation is required, ensuring ample opportunities for students to demonstrate proficiency in each course's respective competencies. Excessive absences and time out of class due to discipline will dramatically impact a student's ability to engage in relevant and rigorous coursework and overall competency attainment. Discipline stemming from actions or behavior within the CTE classroom that impacts student safety or violates OSHA regulations may result in removal from the course.

Cosmetology I
SCED Code: 19101
Grade Level: 10-11 *Credit: 2*
Prerequisite: None

In this introductory yearlong course, students study hair, skin, nails and their related care. Students are grounded in theory as they prepare to practice procedures in a clinical lab setting or classroom, using mannequins for manipulative skill practice. The first-year course emphasizes personal safety, professionalism, and sanitation of equipment and facilities. Students develop skills in shampooing and conditioning hair as well as styling and cutting hair. Students also receive introduction to manicure and pedicure procedures. A classroom kit will be provided for each student. However, students will be responsible for lost or damaged items from the kit. **All cosmetology classes are limited to 20 students.**

Cosmetology II
SCED Code: 19101
Grade Level: 11-12 *Credit: 2*
Prerequisite: Cosmetology I

Students build on their theory and practices in this yearlong course o increase proficiency in hair cutting and styling on live models with attention to professionalism, client consultation, safety and chemical processes related to permanent waves,

relaxing, soft curling, lightening and coloring hair. Students also develop artistic skills with artificial hair. In addition, students learn to care for skin, hands, and feet, developing expertise in providing facials, manicures, and pedicures. Students combine classroom instruction and supervised on the job training in a salon environment. A classroom kit will be provided for each student. However, students will be responsible for lost or damaged items from the kit. **All cosmetology classes are limited to 20 students.**

Cosmetology III
SCED Code: 19101
Grade Level: 11-12 *Credit: 2*
Prerequisite: Cosmetology II

Students continue to build on their theory and practices from levels I & II. Safety and infection control will be applied throughout this course. Professional work ethics, communication skills, critical thinking skills, soft skills and professional image will be utilized during this course. A classroom kit will be provided for each student. However, students will be responsible for lost or damaged items from the kit. **All cosmetology classes are limited to 20 students. Competency completion prepares students for the Virginia Board of Cosmetology License exam.**

CTE - CARPENTRY

CTE courses are centered on competency-based instruction, providing students with authentic, hands-on learning experiences that allow them to develop and practice the skills and abilities required in today's modern job market. Class participation is required, ensuring ample opportunities for students to demonstrate proficiency in each course's respective competencies. Excessive absences and time out of class due to discipline will dramatically impact a student's ability to engage in relevant and rigorous coursework and overall competency attainment. Discipline stemming from actions or behavior within the CTE classroom that impacts student safety or violates OSHA regulations may result in removal from the course.

Woodworking Technology
SCED Code: 17900
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

This is an introductory class to woodworking. The course starts with basic hand tool safety and includes power tool safety and product design. Tool use and hands-on work allow students to experience new tasks and gain confidence in their skills. Small projects as well as larger group projects are completed by students. **All carpentry classes are limited to 20 students**.

Carpentry I
SCED Code: 17003
Grade Level: 9-10 *Credit: 2*
Prerequisite: None

This is an introductory class to woodworking. The course starts with basic hand tool safety and includes power tool safety and product design. Tool use and hands-on work allow students to experience new tasks and gain confidence in their skills. Small projects as well as larger group projects are completed by students. **All carpentry classes are limited to 20 students**.

Carpentry II
SCED Code: 17003
Grade Level: 10-11 (10th graders with Instructor's recommendation) *Credit: 2*
Prerequisite: Carpentry I

This year long course concentrates on the basic skills of each trade area: carpentry, residential wiring, residential plumbing, and masonry. The safe use of hand and power tools will be emphasized with more emphasis on power equipment. Blueprint reading and drawing are introduced at the beginning of the course. The building codes are covered throughout the year as they relate to the various topics. Students start with foundation (masonry) work, then go to carpentry. The latter part of the course will focus on carpentry, from framing to finishing trim and roofing. Although this class works on the house occasionally, it is used as a lab setting by first year students. Plumbing is introduced as it relates to the other trades during this year; drain, waste, and vent work are taught at the appropriate time in

the framing process. Residential wiring involves about 6-8 weeks of the school year with emphasis on the basics of wiring a house and the National Electrical Code (NEC). The students will be part of the Skills USA and will be involved with community projects and community service. Students must complete both semesters in order to earn credit. **All carpentry classes are limited to 20 students**.

Carpentry III
SCED Code: 17003
Grade Level: 12 *Credit: 2*
(11th graders with instructor's recommendation)
Prerequisite: Carpentry II

This year-long class emphasizes the advanced elements of building construction. Students work on a housing project that allows them to gain real world experience. All aspects of residential construction from project planning to purchasing materials to code compliance are taught. Students will spend time learning to lay out a house on a building site and do the masonry work related to the foundation. Advanced carpentry and residential electrical wiring will be done to Counsel of American Building Officials (CABO) and NEC code. Residential plumbing for bathrooms and kitchens is done to complete the house. Trim work throughout is completed, as a student would do on a job site for an employer. Emphasis will be placed on proper employability skills and attitude. **All carpentry classes are limited to 20 students**.

ESOL

English as a Second Language (ESL)
SCED Code: 01008
Grade Level: 9-12 *Credit: 1*
Prerequisite: None

This course would be an elective or foreign language one credit offering for students in grades 9-12. The course prerequisite would be that a student's status would include current service delivery as an English Learner with a language proficiency level of one or two as evidenced by an annual language proficiency assessment. It is designed to assist in the acquisition of the English Language for identified English Learners and will focus on the four language domains- listening, speaking, reading, and writing. The course will foster the use of English to solve problems as well as to investigate personal interests and academic themes. Students will learn vocabulary quickly and build understanding of key academic vocabulary that spans across disciplines. The course explores students' cultures and how these connect to their community. The course builds a foundation for students to be successful in all high school level classes and beyond graduation.

SPECIAL EDUCATION

The Special Education program offers services to students with disabilities in the following areas: autism, learning disabled, emotionally disabled, intellectually disabled, other health impaired, multiple disabilities, orthopedically impaired, hearing impaired, visually impaired, blind, and traumatic brain injury.

In order to enable students with disabilities to participate in the curricula and co-curricular programs at NCHS, a variety of academic and vocational services are available to students with disabilities. These services include consultation, resource classes, small group instruction, modified career and technical education programming, transition services, and various related services. The student's Individualized Education Plan team determines the services the student with disabilities will receive.

Academic Resource
SCED Code: 22003
Grade Level: 9-12 *Credit: 1*
Prerequisite: as determined by IEP committee

This course is designed to assist students in achieving academic success in the general curriculum. Focus is on mastering the Standards of Learning (SOL), achieving individual goals and objectives, and addressing transition needs. Methods will vary according to individual needs.

Transitions – Community Living
SCED Code: 22251)
Grade Level: 9-12 *Credit: 1*
Prerequisite: as determined by IEP committee

This course will expose students to the variety of knowledge, skills, and abilities required in various careers. Students will also learn about their own personal desires when exploring careers as well as occupational outlook and financial considerations. Other areas of focus will include self-determination, basic financial readiness, organizational skills, and functional math skills.

English Skills
SCED Code: 19154
Grade Level: 9-12
Prerequisite: None

This course is designed to assist students with intellectual disabilities in the basic SOL framework of English. Focus is on teaching English skills for independent living, achieving individual goals and objectives, and preparing students for Virginia Alternate Program assessment.

Life Management Skills
SCED Code: 19154
Grade Level: 9-12
Prerequisite: None

Daily living or life management skills cover many aspects of home and community functioning. They are all those skills which allow people to operate independently at home or in community settings and to take control over their own lives. The skills are relevant to many learner groups, including those with: autism, the learning disabled, the emotionally disabled, intellectually disabled, other health impaired, multiple disabilities, orthopedically impaired, hearing impaired, visually impaired, blind, and traumatic brain injured.
Examples of life management skills are:

- organizing appropriate clothing for the day's activities and expected weather;
- buying food for the week at the market or shopping center;
- washing a load of clothes;
- taking care of personal hygiene (showering, going to the bathroom, shaving, brushing teeth);
- paying bills;
- organizing household chores (dusting, vacuuming, washing floors, cleaning the bathroom and toilet);
- getting along with others;
- reading the local newspaper to find out what is happening in the community;
- cooking a meal using a simple recipe from a cook book; and
- communication.

Math Skills SCED Code: 19154
Grade Level: 9-12
Prerequisite: None

This course is designed to assist students with intellectual disabilities in the basic SOL framework of math. Focus is on teaching math skills for independent living, achieving individual goals and objectives, and preparing students for Virginia Alternate Program assessment.

Blue Ridge Virginia Governor's School

The Blue Ridge Virginia Governor's School is an academic governor's school that provides a challenging and differentiated program of studies in core academic subjects, emphasizing mathematics, science, and technology. This program utilizes interactive video, technology, field trips, and team teaching to create a regional community of learners from the counties of Fluvanna, Goochland, Greene, Louisa, Madison, Nelson, and Orange. BRVGS courses are academically rigorous and challenging.

World History I & II - Fall & Spring
SCED Code: 04052
Grade Level: 9 *Credit: 1 per course*
Prerequisite: BRVGS Enrollment

Blue Ridge Virtual Governor's School students study the history and geography of the world from prehistory through the present. In addition, students' study and analyze the historical impact of technological developments through the ages.

Students make use of in-depth readings, technological resources, and interactive projects to enhance their understanding of historical concepts. ***The World History I & World History II end-of-course SOLs will be administered.***

AP Biology - Yearlong
SCED Code: 03056
Grade Level: 10 *Credit: 2*
Prerequisite: Biology and BRVGS Enrollment

Students have the opportunity to earn 3-5 college credits in AP Biology with their future institution, depending on their AP exam score and the college/university's guidelines.
Advanced Placement Biology is designed to be the equivalent of a first-year introductory college biology course. Students should have successfully completed foundation courses in biology. This 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. Primary emphasis of the course is on developing an understanding of concepts rather than on memorizing terms and technical details. As part of the course work, students will participate in a variety of labs that meet the laboratory objectives for Advanced Placement Biology as required by the College Board. ***The AP Exam fee is paid for by BRVGS if the student opts to take the exam.***

Computer Science - Fall
SCED Code: 02156
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

The course, taught directly by a BRVGS instructor through an online learning management system, is primarily focused on the central ideas of computing and computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world.

This rigorous course promotes the ability to navigate in an online course, deep learning of computational content, computational thinking skills, and creativity in the context of programming. Students may or may not be in a classroom with fellow BRVGS junior classmates, depending on local scheduling and supervision. The course culminates in a team-based "design-and-build" project in which teams of students identify a problem, solve that problem with a program of their own design, and market that program to the public.

AP Computer Science A - Yearlong
SCED Code: 10157
Grade Level: 11-12 *Credit: 1 (yearlong)*
Prerequisite: BRVGS Enrollment

Students have the opportunity to earn 3-5 college credits in Computer Science with their future institution, depending on their AP exam score and the college/university's guidelines.

This is a yearlong course, primarily focused on Java Programming. The course is taught by a non-BRVGS teacher from CodeHS with a BRVGS staff member serving as the course "Coach". It teaches the Java programming language. Students will participate in team-based projects as part of their BRVGS requirements for the course. Those who score a 3 or better on the AP exam may receive up to 6 college credits (as determined by the college of attendance). ***The AP Exam fee is paid for by BRVGS if the student opts to take the exam.***

AP Computer Science Principles - Yearlong
SCED Code: 10160
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

Students have the opportunity to earn 3-5 college credits in Computer Science with their future institution, depending on their AP exam score and the college/university's guidelines.

This is a yearlong course, primarily focused on the "central ideas of computing and computer science", taught by a non-BRVGS teacher from CodeHS, with a BRVGS staff member serving as the course "Coach". It is very similar to BRVGS Computer Science, but is focused on the AP exam for Computer Science Principles, and contains a number of different (and more rigorous) lessons than the non-AP course. Students will participate in team-based projects as part of their BRVGS requirements for the course. Those who score a 3 or better on the AP exam may receive up to 6

college credits (as determined by the college of attendance). ***The AP Exam fee is paid for by BRVGS if the student opts to take the exam.***

Senior Capstone - Fall
SCED Code: 22998
Grade Level: 12 *Credit: 1*
Prerequisite: BRVGS Enrollment

"Tell me, what is it you plan to do with your one wild and precious life?" (Mary Oliver). As our BRVGS seniors approach graduation and adulthood, we want them to think about this question.

The purpose of their senior capstone course is to coach them as they take a look at themselves, their talents, and their interests, and find a meaningful way to explore their connection to the real world before they leave high school. This capstone course will take as many diverse forms as we have students. Students are required to serve in an internship with an expert in their chosen topic, to research a "burning question" in regard to that topic, and in a community service project utilizing their newfound knowledge. Throughout their senior project, students will reflect on leadership and their potential to make a difference in our world.

UVA Explorations in Engineering (ENGR 1520) - Fall
SCED Code: 21005
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

Great engineering is sometimes referred to as "art that works". This is because engineering, like art, requires innovation and creativity. But engineering creations, unlike art, must solve real problems and help our society meet new challenges. This introductory college engineering course introduces students to the world of engineering, including the role of engineers in modern society, an overview of the various fields of engineering, and modern methods used by engineers to solve problems and meet new challenges.

A key component of the course is a hands-on design-build project in which students work together in small teams to design and develop a solution to a case study problem. This activity will culminate in the demonstration of a prototype of the design solution. Students will explore the sources of inspiration; the methods engineers use to solve problems and the impact of engineering solutions.

AP Statistics - Spring
SCED Code: 02203
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment - Students must have successfully completed Algebra II with a grade of "B-" or higher.

Students have the opportunity to earn 3-5 college credits in Statistics with their future institution, depending on their AP exam score and the college/university's guidelines.

This course presents an overview of statistics, including descriptive statistics, elementary probability, probability distribution, estimation, hypothesis testing, and correlation and regression. Students will learn and practice the skills of statistics through online instruction and real-world, project-based problem solving. ***The AP Exam fee is paid for by BRVGS if the student opts to take the exam.***

UVA Explorations in Health Care (PSHM 1010) - Fall
SCED Code: 14001
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

This course introduces health care and health care management literature; the structure and delivery systems of US healthcare; current challenges facing the system; and the scope of career opportunities in the healthcare field. Explores the educational requirements and job responsibilities of a wide range of health care providers.

Additional topics include health care economics, insurance, health care research, health care policy and reform, and the Affordable Care Act. Through the use of online discussions, literature search assignments, and relevant projects, the course promotes the application of critical thinking and library research skills.

UVA Digital Technology and Communications (BRVGS) - (PSTS 1010
SCED Code: 10004)
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

Today's students will spend their adult lives in a multi-tasking, multifaceted, technology-driven, diverse and vibrant world. This course puts emphasis on analyzing, accessing, managing, integrating, evaluating, and creating information in a variety of forms and media, so students will understand the role of media in society. Communication skills will also be emphasized, so students will understand, manage, and create effective oral, written, and multimedia communication in a variety of forms and contexts.

UVA Explorations in Cyber Security (IT 1010) - Spring
SCED Code: 10302
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

This course is intended to attract, educate, and inspire a new generation of students in the evolving field of cyber security. It introduces students to the world of cyber security and the vast opportunities in cyber security careers.

At the end of the course, students will understand the various types of cyber security professions and educational opportunities that will help them when choosing a career path. They will also develop critical thinking, problem solving, and analytical skills, which will benefit them in a variety of career paths.

Introduction to International Relations - Spring
SCED Code: 04155
Grade Level: 11-12 *Credit 1*
Prerequisite: BRVGS Enrollment

This course introduces politics and issues in the ever-changing international arena. Topics include theories of international relations, sovereignty, state actors vs. international actors, international law, treaties, organizations, and trade. Students will explore these topics through videos, readings, websites, and national and international policy statements. They will choose one topic to research in-depth. The course emphasizes research skills and critical analysis of real-world global issues. Students will be required to participate in a project centered on Model United Nations participation.

PVCC Finite Math - (MTH 165) - Fall
SCED Code: 02999
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

(**3 college credits -** local credits are determined by the student's local high school**)**

The purpose of this Dual Enrollment college/high school course is to expose students to the use of mathematics as a tool for solving applied problems as well as for modeling mathematical relationships. Developing problem-solving and critical thinking abilities is also emphasized and applied. Students will be working with systems of equations, matrices, and linear programming. These structures will be applied to solving problems in economics, finance, business, and the life and social sciences. To successfully complete the course, students will complete a project demonstrating broad knowledge of course content and applying appropriate technology.

Shenandoah University Healthcare and the Humanities - Fall
SCED Code: 22999
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

(3 college credits- local credits are determined by the student's local high school)

This online course will display the relevance of the humanities and social sciences in preparation for careers in the health professions. It will give critical attention to literature, visual arts, film, theater, music or dance from multiple cultural perspectives in an attempt to develop students' capacity for relating to patients on a human level: morally, by being sympathetic or empathetic, interpersonally, by being able to elicit appropriate responses and communicate effectively and creatively, and in their ability to analyze patients' symptoms and conditions.

The course will also introduce students to historical and political analysis of health care to broaden students' understanding of the context in which they will practice their professions.

This course will be delivered online asynchronously (meaning that it does NOT require students to be online at a particular time) through an online learning management system and a variety of media.

AP Environmental Science - Yearlong
SCED Code: 03207
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS enrollment

(**Up to 4 college credits** - local credits are determined by the student's local high school.)

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze natural and human-induced environmental problems, enabling them to learn how to assess the risks associated with these problems and evaluate alternative solutions for resolving and preventing the environment problems.

BRVGS Biochemistry - Fall
SCED Code: 22999
Grade Level: 11-12 *Credit: 1 (yearlong)*
Prerequisite: BRVGS enrollment

This science elective course will study the chemical processes at work in the context of living organisms. While relating biochemical processes to their roots in chemistry, students will think realistically about future challenges in science. Recommended for anyone interested in pursuing a career in medicine, veterinary science, or other health sciences.

Virginia Earth System Science Scholars (VESSS) - December to April 1st + one week in summer
SCED Code: 03002
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS enrollment

(**Up to 5 college credits** - local credits are determined by the student's local high school.)

The Virginia Earth System Science Scholars (VESSS) program is an interactive online science, technology, engineering, and mathematics learning experience for Virginia high school juniors and seniors, highlighted by a seven-day residential summer academy at NASA Langley Research Center in Hampton, Virginia. This transferable, four-credit, Topics GOL 195 dual enrollment course, offered through Thomas Nelson Community College (TNCC), engages the student in real world investigations of the Earth and its highly dynamic systems through the use of the latest research and data from NASA's Earth Science missions. Students develop an understanding of the Earth's responses to both natural and man-made changes to climate, weather, and natural hazards. Students will explore NASA's major Earth Science missions addressing how the global Earth system is changing, how the Earth system will change in the future, the causes of these changes, and the societal benefits provided through study of the Earth's system science.
Students selected to participate in the seven-day Summer Academy are immersed in the design of a hypothetical mission to study one of the Earth's major spheres and how the spheres are interconnected. Students will address a real-world scenario based on NASA missions which are currently being studied or that will be studied in the Earth System Sciences. Students can earn an additional transferable independent research credit, in GOL 195.

Virginia Aerospace Science and Technology Scholars (VASTS) -
SCED Code: 22999
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS enrollment

(**Up to 4 college credits** - local credits are determined by the student's local high school)

The Virginia Aerospace Science and Technology Scholars (VASTS) program is an interactive online science, technology, engineering and mathematics learning experience, highlighted by a seven-day residential summer academy at NASA Langley Research Center in Hampton, VA. Students learn about a broad range of science, technology, engineering and mathematics (STEM)

skills. Based on course performance, scholars may be selected to participate in an all-expense paid seven-day residential Summer Academy at NASA Langley Research Center.

Scholars can receive two college credits for successful completion of online coursework and two additional credits for the Summer Academy. The course is offered for free online from December through May and consists of seven lessons and a final project that allows scholars to build their knowledge of NASA, space exploration and key STEM skills. Scholars selected for the Summer Academy will spend seven days with STEM mentors and master educators at NASA Langley Research Center in Hampton. Scholars will work in project teams to design a human mission to Mars and will be immersed in hands-on experiential STEM activities.

Note: In order for this course to count as a BRVGS graduation requirement course, you are required to attend the VASTS Summer Academy, OR (if you are unable to attend the VASTS Summer Academy) you are required to attend a BRVGS Summer Academy.

BRVGS ELECTIVE COURSES

BRVGS Online Economics and Personal Finance-Summer
SCED Code: 19262
Grade Level: 11 *Credit: 1*
Prerequisite: BRVGS Enrollment

This BRVGS version of Economics and Personal Finance meets the Virginia graduation requirement for the Advanced Studies diploma AND the BRVGS requirements for graduation. Please note that this is the only "unweighted grade" course BRVGS offers. The maximum GPA point value for the course will be 4 points.

BRVGS Introduction to College Writing and Research- Summer
SCED Code: 01105
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

Introduction to College Writing and Research will introduce students to a variety of rhetorical modes with an emphasis on argumentative, compare/contrast, technical writing, and research. Along with understanding the value of the audience, students will become proficient in developing strong defensible thesis statements, completing research, improving written expression, and constructing concise and meaningful compositions. The expectation is that students will complete a series of writing activities of varying length and complexity including one MLA-formatted research paper and one APA-formatted research paper.

Multimedia Creative Writing - Summer or Spring
SCED Code: 22999
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

This course is a survey of fiction, poetry, and creative nonfiction. Students will be given the opportunity to experiment with their own writing and narrative forms while viewing themselves as authors, editors, and audiences. Students will compose works utilizing multimedia storytelling technology, such as podcasting, VR/AR, and storytelling. Students will learn how to submit and publish their writings. This course will also survey the different types of paper formats, such as MLA, APA, and Chicago. This course will serve as a BRVGS “elective” course.

Introduction to Python (Rainforest) - Summer or Fall or Spring
SCED Code: 10152
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

Introduction to Computer Science in Python course teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and

manipulate information by building simple console-based games. The course is taught directly by a BRVGS instructor through an online learning management system, and is equivalent to a semester-long introductory Python course at the college level.

Web Design (Picasso) and Introduction to Virtual Reality - Summer or Fall or Spring
SCED Code: 10203
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

Web Design is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. Students will finish this course with tangible, professional, mobile responsive websites.
Introduction to Virtual Reality Virtual Reality is a rapidly growing technology with applications in several different fields. In this short course, students will learn how to build their very own virtual reality worlds using HTML and the A-Frame JavaScript library. Students can view their VR creations on the computer, through phones, or through an Oculus Rift. Get ready to be blown away by what you create!

Introduction to Cybersecurity (Vigenere) - Summer or Fall or Spring
SCED Code: 10302
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

This course prepares students with crucial skills to be responsible citizens in a digital future. It is designed for students with some exposure to computer science, but there are no specific course prerequisites. Topics included are: foundational cybersecurity topics including digital citizenship and cyber hygiene, the basics of cryptography, software security, networking fundamentals, and basic system administration.

Video Game Design - Summer or Fall or Spring
SCED Code: 10152
Grade Level: 11-12 *Credit: 1*
Prerequisite: BRVGS Enrollment

Students learn how to create video games in JavaScript! While this course is introductory, it will be taught as an "honors-level" course.

BRVGS can also pay up to $300 (and more for families in financial need) for students to take independent online course. Please see the BRVGS Policy For Independent Online Course Requests for more information.

VIRTUAL VIRGINIA

Registration/enrollment window is contingent on Virtual Virginia, no exceptions.
Nelson County High School participates in the Virginia Department of Education Virtual Virginia (VV) program. The Virginia Virtual Advanced Placement School offers online AP and a variety of courses to students across the commonwealth. The courses utilize the Desire2Learn course management software to maximize the interactivity of each class. Each course contains video segments, audio clips, whiteboard and online discussions as well as text. E-Teachers are available for telephone conversations with students throughout the school day. Virtual Virginia classes offer a rich multimedia learning environment that appeals to a variety of learning styles.

In order to take Virtual Virginia standard courses and Advanced Placement courses, students and their parents must sign a contract with NCHS and Virtual Virginia. There is a $75.00 charge if a student drops the course 21 days after the start of the class.

African American History
SCED Code: 04099
Grade Level: 11-12 *Credit: 1*
Prerequisite: none

This course will identify and understand the African origins and developments of the Black experience in North America; evaluate how African Americans have shaped, have contributed, and have been shaped by the institutions, policies, and laws established by federal, state, and local governments; evaluate and interpret the various paths of civic responsibility that led to quests for equality, justice, and freedom for individuals and communities facing barriers and oppression based on race, class, and gender; and analyze and understand how the institution of slavery in the United States shaped beliefs about race and the supremacy of one race over another and influenced America's economy and politics. Also, students will complete a variety of required readings and will participate in discussion boards and group projects. This course contains a mix of writing, analytical, and creative assignments. **Student work will be required outside of class time.**

Creative Writing
SCED Code: 01104
Grade Level: 11-12 *Credit: 1*
Prerequisite: none

This course is an introduction to the major genres of creative (imaginative) writing, including fiction, poetry, drama, and personal essay (creative nonfiction). The class will examine the creative process through experimentation with a variety of creative exercises. The types of experimental writing will examine the formal, technical elements of fiction, poetry, and drama. In addition, the course will feature reading, analyzing, and critiquing a variety of literary examples, including the student's writing. The course members will compose stories, poems, and dramatic scenes. Finally, this course will prepare the student for more advanced work in creative writing, including fiction and poetry writing. Student work will be required outside of class time.

World Mythology
SCED Code: 01053
Grade Level: 11-12 *Credit: 1*
Prerequisite: none

The purpose of this class is to introduce students to the origins and meaning of myths, and the major themes, stories, characters, and archetypes present in the mythologies of several different cultures. The course will concentrate on Greek and Roman mythology, but will also include material from Norse, Celtic, Egyptian, African, Eastern, and Native American mythology. The course will be taught using an interdisciplinary approach that considers literary and artistic themes from diverse perspectives including theology, sociology, anthropology and history. Student work will be required outside of class time.

Advanced Placement (AP) courses can be taken as a semester or yearlong option. However, students will only receive one (1) course credit regardless of the course option. There is an AP exam fee if the student opts to take the AP exam.

AP Art History
SCED Code: 05153
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisite: Prior success in other courses such as history, literature, and in any of the studio art courses & participation in the Early College Scholar Program.
Students have the opportunity to earn 3-5 college credits in Art History with their future institution, depending on their AP exam score and the college/university's guidelines.

This course is designed to provide the student with an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is the fundamental tool of the art historian, art history also emphasizes understanding works in context, considering such issues as patronage, gender, and the functions of and effects of works of art. Student work will be

required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

AP Computer Science A
SCED Code: 10157
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisite: Algebra II or Trigonometry & participation in the Early College Scholar Program. It is recommended that students have AP Computer Science Principles, Computer Mathematics or Computer Programming, or an introductory computer science course.
Students have the opportunity to earn 3-5 college credits in Computer Science with their future institution, depending on their AP exam score and the college/university's guidelines.

The purpose of AP Computer Science A is to lay the foundation for object-oriented programming. The course aims at teaching the students computer science concepts. Java is used as the vehicle to teach them. The focus is more on the concepts and abstract ideas rather than on the syntax. The course is about design of classes, algorithms, programming techniques and introduction to data structures like arrays and array lists. Students will spend two to three days a week studying the course materials and the textbook and the rest of the week working on the lab. Student work will be required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

AP Environmental Science
SCED Code: 03207
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisite: Chemistry & participation in the Early College Scholar Program
Students have the opportunity to earn 3-5 college credits in Environmental Science with their future institution, depending on their AP exam score and the college/university's guidelines.

Advanced Placement Environmental Science is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Student work will be required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

AP European History
SCED Code: 04056
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisite: Participation in the Early College Scholar Program
Students have the opportunity to earn 3-5 college credits in History with their future institution, depending on their AP exam score and the college/university's guidelines.

The study of European history since 1450 A.D. introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, goals of the course are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Student work will be required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

AP Human Geography
SCED Code: 04004
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisite: World History I or World Geography & participation in the Early College Scholar Program
Students have the opportunity to earn 3-5 college credits in Human Geography with their future institution, depending on their AP exam score and the college/university's guidelines.

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the earth's surface. Students will study diverse

peoples and areas organized around concepts that include location and place, scale, pattern, spatial organization, and regionalization. They will also learn about methods and tools geographers use in their science and practice. Student work will be required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

AP Macroeconomics
SCED Code: 04204
Grade Level: 11-12 *Credit: 1/2*
Prerequisites: Economics (recommended) & participation in the Early College Scholar Program
Students have the opportunity to earn 3-5 college credits in Macroeconomics with their future institution, depending on their AP exam score and the college/university's guidelines.

Advanced Placement Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They will also examine how individuals, institutions, and influences affect people and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class/course prepares students for the Advanced Placement Exam and for further study in business, political science, and history. Student work will be required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

AP Microeconomics
SCED Code: 04203
Grade Level: 11-12 *Credit: 1/2*
Prerequisite: Economics (recommended) & participation in the Early College Scholar Program
Students have the opportunity to earn 3-5 college credits in Microeconomics with their future institution, depending on their AP exam score and the college/university's guidelines.

Advanced Placement Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100-level college course, Advanced Placement Microeconomics, prepares students for the Advanced Placement Exam and for further study in business, history, and political science. Student work will be required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

AP Computer Science Principles
SCED Code: 10160
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisite: Algebra I & participation in the Early College Scholar Program
Students have the opportunity to earn 3-5 college credits in Computer Science with their future institution, depending on their AP exam score and the college/university's guidelines

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber security concerns, and computing impacts. This course will give students the opportunity to use technology to address real-world problems and build relevant solutions. ***There is an AP exam fee if the student opts to take the AP exam.***

AP Physics 1
SCED Code: 03165
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisites: Physics & participation in the Early College Scholar Program.
Students have the opportunity to earn 3-5 college credits in Physics with their future institution, depending on their AP exam score and the college/university's guidelines

AP Physics 1 is an Algebra-Based course equivalent to a first-semester college course in Algebra-Based physics, but designed to be taught over a full academic year to enable AP students to develop deep understanding of the content and to focus on applying their knowledge through inquiry labs. Student investigations emphasize student-centered inquiry instruction and learning. Inquiry investigations foster student engagement in the practices of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting, where students direct and monitor their progress. The full year also allows time for inclusion of physics content specified by state standards. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electric circuits. The content for the course is based on six big ideas:

- **Big Idea 1** – Objects and systems have properties such as mass and charge. Systems may have internal structure.
- **Big Idea 2** – Fields existing in space can be used to explain interactions.
- **Big Idea 3** – The interactions of an object with other objects can be described by forces.
- **Big Idea 4** – Interactions between systems can result in changes in those systems.
- **Big Idea 5** – Changes that occur as a result of interactions are constrained by conservation laws.
- **Big Idea 6** – Waves can transfer energy and momentum from one location to another without the permanent transfer of mass and serve as a mathematical model for the description of other phenomena.

In each unit, students learn the basic physics terminology, discuss concepts, practice problems, perform virtual labs and complete computer simulations. Each unit exam contains a number of real-life Free Response questions. Each week, students attend a web conference session with the instructor where he or she discusses problems from the College Board site and goes through the grading rubrics. As part of the course work, students will participate in a variety of hands-on and virtual labs that meet the laboratory objectives for Advanced Placement Physics as required by the College Board. Student work will be required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

AP Physics 2
SCED Code: 03155
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisites: AP Physics 1 & participation in the Early College Scholar Program.
Students have the opportunity to earn 3-5 college credits in Physics with their future institution, depending on their AP exam score and the college/university's guidelines

AP Physics 2 is an Algebra-Based course equivalent to a second-semester college course in Algebra-Based physics, but designed to be taught over a full academic year to enable AP students to develop deep understanding of the content and to focus on applying their knowledge through inquiry labs. Student investigations emphasize student-centered inquiry, instruction, and learning. Inquiry investigations foster student engagement in the practices of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting, where students direct and monitor their progress. The full year also allows time for inclusion of physics content specified by state standards. The course covers Electric Force, Field and Potential, Electric Circuits, Magnetism and Electromagnetic Induction, Thermodynamics, Fluids, Geometric and Physical Optics, and Quantum, Atomic and Nuclear Physics. The content for the course is based on six big ideas:

1. Objects and systems have properties such as mass and charge. Systems may have internal structure.
2. Fields existing in space can be used to explain interactions.
3. The interactions of an object with other objects can be described by forces.
4. Interactions between systems can result in changes in those systems.
5. Changes that occur as a result of interactions are constrained by conservation laws.
6. Waves can transfer energy and momentum from one location to another

without the permanent transfer of mass and serve as a mathematical model for the description of other phenomena.

In each unit, students learn the basic physics terminology, discuss concepts, practice problems, perform virtual labs, and complete computer simulations. Each unit exam contains a number of real-life Free Response questions. Each week, students attend a web conference session with the instructor where he or she discusses problems from the College Board site and goes through the grading rubrics. As part of the course work, students will participate in a variety of hands-on and virtual labs that meet the laboratory objectives for Advanced Placement Physics as required by the College Board. Student work will be required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

AP Psychology
SCED Code: 04256
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisite: Participation in the Early College Scholar Program
Students have the opportunity to earn 3-5 college credits in Psychology with their future institution, depending on their AP exam score and the college/university's guidelines

AP Psychology is a survey course, so students will focus on bits of information from many different areas of psychology. Primarily, the course will explore the psychological facts, principles, and phenomena associated with each of the major subfields of psychology (consciousness, learning, personality, cognition, etc.). It is possible that students may receive freshman college credit for this course based on their AP Exam score and the policy of the student's college choice. ***There is an AP exam fee if the student opts to take the AP exam.***

AP US Government and Politics
SCED Code: 04157
Grade Level: 12 *Credit: 1*
Prerequisite: US History & participation in the Early College Scholar Program.
Students have the opportunity to earn 3-5 college credits in History with their future institution, depending on their AP exam score and the college/university's guidelines

This course provides students opportunities for an in-depth study of American government at local, state, and national levels. Emphasis is placed on relating current issues to principles of US Government. In-class opportunities will be provided for experiences in government and research of government issues. Students accepted into this course should display excellent language arts skills and will be required to read and write extensively both in and outside of class. It is possible that students may receive freshman college credit for this course based on their score and the policy of the student's college choice. ***There is an AP exam fee if the student opts to take the AP exam.***

AP United States History
SCED Code: 04104
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisite: Participation in the Early College Scholar Program.
Students have the opportunity to earn 3-5 college credits in History with their future institution, depending on their AP exam score and the college/university's guidelines

Advanced Placement U.S. History is a college level course that combines learning factual knowledge with developing analytical skills. Emphasis is given to developing interpretive writing skills while assessing historical material according to relevance, reliability, and importance by weighing the evidence presented in historical scholarship. Heavy emphasis is given to essay writing and developing superior writing skills. The course includes materials from discovery and settlement to present day America. A rapid pace of study must be maintained.

Students enrolled in Advanced Placement U.S. History should exhibit above average reading comprehension, writing, and time management skills. They should have a desire to delve into history beyond the basic level of understanding. Student work will be required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

AP World History
SCED Code: 04057
Grade Level: 11-12 Credit: 1 (yearlong)
Prerequisite: US History & participation in the Early College Scholar Program.
Students have the opportunity to earn 3-5 college credits in History with their future institution, depending on their AP exam score and the college/university's guidelines

AP World History is a challenging, college-level history course that seeks to understand the larger patterns of human history from roughly 10,000 years ago to the present day. With such a broad scope of study, AP World History focuses less on individual nations or regions and instead focuses on patterns of interaction and shared experiences between societies. In order to better see large-scale patterns throughout the course, we will utilize the following themes in the course:

- The impact of interaction among major societies and regions
- The effects of technology, economics, and demography on people and the environment
- Systems of social structure and gender structure
- Cultural, intellectual and religious developments and interactions among and within societies
- Changes in functions and structures of states and attitudes toward states and political identities including the emergence of the nation-state
- The relationship of change and continuity across the world history periods

Student work will be required outside of class time. ***There is an AP exam fee if the student opts to take the AP exam.***

Piedmont Virginia Community College

Dual Enrollment Courses taken in high school are designed to transfer to community and four-year colleges. Most post-secondary institutions require a final grade of "C" or better in order for this transfer to take place. Students who plan to attend a post-secondary institution are advised to talk to that school's admissions office to determine their policy on accepting dual enrollment courses. Due to the tuition cost of dual enrollment courses offered through Piedmont Virginia Community College, a student who fails or withdraws from these courses after the deadline will be assessed the tuition fee.

Dual Enrollment Attendance Policy: Absences in excess of twenty percent (20%) of the scheduled class meetings will result in the failure of the college class. Students are responsible for the subsequent completion of all studies missed during an absence. Any instruction missed and not subsequently completed will necessarily affect the grade, regardless of the reason for the absence. (Piedmont Virginia Community College Attendance Policy).

Students who take dual enrollment courses must have qualifying grade point average of a B/3.0.

DE Administration of Justice (ADJ 100)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Completion of PVCC Application and Grade Point Average of a B or better

This course presents an overview of the US criminal justice systems and introduces the major system components, law enforcement, judiciary, and corrections. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Biology: Life Science (BIO 106)
SCED Code: 03999
Grade Level: 11-12 *High School Credit: 1*
College Credit: 4
Prerequisite: 85/B average or better in Chemistry; Completion of PVCC Application and Grade Point Average of a B or better

This course is designed for the non-science major. DE Biology – Life Science provides a topical approach to basic biological principals. This course includes the scientific process, characteristics of living organisms, molecular aspects of cells, bioenergetics, cellular and organismal reproduction genetics, evolution, and

ecology. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Biology: Biology of the Environment (BIO 107)
SCED Code: 03999
Grade Level: 11-12 *High School Credit: 1*
College Credit: 4
Prerequisite: 85/B average or better in Chemistry; Completion of PVCC Application and Grade Point Average of a B or better

This course is designed for the non-science major. DE Biology of the Environment presents the basic concepts of environmental science through a topical approach. This course includes the scientific method, population growth and migration, use of natural resources and waste management, ecosystem simplification recovery, evolution, biogeochemical cycles, photosynthesis and global warming, geological formations, atmosphere and climate, and ozone depletion and acid deposition. Lecture and laboratory must be taken in the same semester. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Developmental Psychology (PSY 230)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Completion of PVCC Application and Grade Point Average of a B or better

Studies the development of the individual from conception to death. Follows a life-span perspective on the developmental tasks of the person's physical, cognitive, and psycho-social growth. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Early Humanities (HUM 201)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Early College Program

Examines the values and expression of ideas of selected western and non-western cultures from prehistory up to the 1300s, integrating the arts, literature, religion, and philosophy within the context of history. The assignments in this course require college-level reading, analysis of scholarly studies, and coherent communication through properly cited and formatted written reports. This is a Passport and UCGS transfer course. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Historical Geology (GOL 106)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 4
Prerequisite: Early College Program

Traces the evolution of the earth and life through time. Presents scientific theories of the origin of the earth and life and interprets rock and fossil record. This is a Passport and UCGS transfer course. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Introduction to Business (BUS 100)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Early College Program

Exposes students to the functions and topics of modern business, including economics, management, finance, accounting, marketing, production, international business, small business, and other areas of general business interest. Guides students in establishing a viable business vocabulary, fostering critical and analytical thinking, and refining business decision-making skills. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Introduction to Cultural Geography (GEO 210)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Early College Program

Introduces themes in human geography and the ways in which human geographers' study spatial relationships in the world. Emphasizes geospatial tools and concepts to examine global patterns of human demographics, culture, geopolitics, and economic and environmental interdependence through introduction to a broad range of subject matter. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Medical Terminology I (HLT 141)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Completion of PVCC Application and Grade Point Average of a B or better
This course may be non-transferable; check with the admissions office of the school of interest regarding transfer information.

This course provides an understanding of medical abbreviations and terms. It includes the study of prefixes, suffixes, word stems, and technical terms with emphasis on proper spelling, pronunciation, and usage. Emphasizes more complex skills and techniques in understanding medical terminology. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Modern Humanities (HUM 202)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Early College Program

Examines the values and expression of ideas of selected western and non-western cultures from the 1300s until 1900s, integrating the visual arts, literature, religion, music and philosophy within the context of history. The assignments in this course require college-level reading, analysis of scholarly studies, and coherent communication through properly cited and formatted written reports. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Physical Geology (GOL 105)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Early College Program

Introduces the science of physical geology through a comprehensive systems-based examination of Earth's structure, composition, rocks and minerals, landforms, geomorphology, and agents responsible for shaping and modifying its environments. Explores the origin and evolution of Earth's topographic and bathymetric features, geologic phenomena, and geologic hazards, resulting from plate tectonics. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Principles of Macroeconomics (ECO 201)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Early College Program

Presents the fundamental macroeconomic concepts, theories, and issues including the study of scarcity and opportunity cost, supply and demand, national economic growth, inflation, recession, unemployment, fiscal and monetary policies, and international trade. Develops an appreciation of how these economic concepts apply to consumer, business, and government decisions, and their effect on the overall economy. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Principles of Microeconomics (ECO 202)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Early College Program

Presents the fundamental microeconomic concepts, theories, and issues including the study of scarcity and opportunity cost, supply and demand, elasticities, marginal revenues and costs, profits, production and distribution. Develops an appreciation of how these economic concepts apply to consumer and business decisions, and their effect on the individual. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Principles of Psychology (PSY 200)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Completion of PVCC Application and Grade Point Average of a B or better

Principles of Psychology surveys the basic concepts of psychology. This course covers the scientific study of behavior, behavioral research methods and analysis, and theoretical interpretations. This course includes topics such as: physiological mechanisms, psychology, sensation/perception, motivation, learning, personality, psychopathology, therapy, social psychology, and psychological disorders and treatment. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Principles of Public Speaking (CST 100)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Early College Program

Applies theory and principles of public address with an emphasis on preparation and on the extemporaneous method of delivery. The assignments in the course require college-level reading and analysis of scholarly studies and coherent communication through written reports, including the production of at least one APA/MLA-formatted individual writing assignment. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Principles of Sociology (SOC 200)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Completion of PVCC Application and Grade Point Average of a B or better

This course introduces the fundamentals of social life and presents significant research and theory in areas such as culture, social structure, socialization, deviance, social stratification, and social institutions. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE Quantitative Reasoning (MTH 154)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 4
Prerequisite: Early College Program

Presents topics in proportional reasoning, modeling, financial literacy and validity studies (logic and set theory). Focuses on the process of taking a real-world situation, identifying the mathematical foundation needed to address the problem, solving the problem and applying what is learned to the original situation. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE United States Government I (PLS 135)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Early College Program

Teaches the political structure, processes, institutions, and policymaking of the US national government. Focuses on the three branches of government, their interrelationships, and how they shape policy. Addresses federalism; civil liberties and civil rights; political socialization and participation; public opinion, the media; interest groups; political parties; elections; and policymaking. The assignments in the course require college-level reading fluency and coherent communication through written reports. This is a Passport and UCGS transfer course. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE United States Government II (PLS 136)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Prerequisite: Early College Program

Teaches structure, powers, and functions of state and local government in the United States as related to federalism; constitutionalism; elections; powers of legislative, executive, and judicial powers of state and local government; state-local-federal relations; fiscal matters; metropolitan issues; and policy issues, like health, education, criminal justice and welfare. The assignments in the course require college-level reading fluency and coherent communication through written reports. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE United States History I to 1877 (HIS 121)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Completion of PVCC Application and Grade Point Average of a B or better

Introduces the history of the United States from its origins to 1877. Includes the European exploration, development of the American colonies and their institutions, the Revolution, major political, social and economic developments, geographical expansion, the Civil War, and Reconstruction. This is a Passport and

UCGS transfer course. **See page 10 for more information on Dual Enrollment policies and procedures.**

DE United States History II since 1865 (HIS 122)
Grade Level: 11-12 *High School Credit: 1*
College Credit: 3
Completion of PVCC Application and Grade Point Average of a B or better

Introduces the history of the United States from 1865 to present. Includes major political, social and economic developments since 1865, overseas expansion, the two world wars, the Cold War and the post-Cold War era. This is a Passport and UCGS transfer course. **See page 10 for more information on Dual Enrollment policies and procedures.**

OTHER NCHS PROGRAMS

Early Release Program
According to the Standards for Accrediting Schools in Virginia, every student must maintain a full-day schedule unless a waiver is granted by the division superintendent. This waiver, in the form of Early Release, is a privilege available to qualified juniors and seniors (juniors will be considered for the spring semester only). However, requests are not automatically granted.

1. Early release may be requested under the following conditions:
    a. **Study Related**: A student who wishes to pursue a program of college-level work that is not part of any course being taken for credit and which requires the student to be away from the school building during regular school hours. The student must provide proof of college enrollment and provide periodic progress reports to the building principal.
    b. **Career Related**: A student wishes to begin his/her chosen career while in high school. Career is defined as the student's long-term choice—a livelihood to which the student has made a commitment. **Not included in this option are hourly jobs of a short-term nature.**
    c. **Financial/Family Hardship:** A student must work during the time she/he would ordinarily be in school to earn money to enable the student to provide for his/her essential needs in order to remain in school or to contribute a significant portion of her/his family income. In cases of family hardship, the student must provide documented, bona fide reasons for requesting to leave school early.
2. Seniors must remain in school for a minimum of two (2) blocks of classes per day. Beginning in the spring semester, juniors who are approved for early release, must remain in school for a minimum of three (3) blocks of classes per day. Students wishing to participate in Virginia High School League activities such as sports, cheerleading, or academic competition must be enrolled in and pass a minimum of five (5) credit classes or a minimum of three (3) credit classes on a 4 x 4 semester plan.

Requirements of the Early Release Program:

- In order to apply for Early Release, the students **must** be eligible for graduation, have good attendance, have completed and passed all required SOL tests, and have minimal disciplinary infractions.
- If enrolled in a career and technical education program or sequence, the student **must** remain in the courses that qualify him/her as a career and technical education program completer. These career and technical education courses are in addition to the courses required for graduation.
- All requests for the Early Release Program **must** be received no later than the morning of the Work Release meetings, unless extenuating circumstances can be determined.
- All students wishing to participate in Virginia High School League (VHSL) activities, such as athletics, academic team, drama, etc., must be enrolled for **a minimum of three (3) blocks** of classes per day.
- Students who do not adhere to the policies and procedures will have their Early Release privileges revoked.

Office Aide (NON-Credit)

Office aides are vital to the smooth functioning of the school. We are very appreciative of their help and rely heavily on them. Criteria for becoming an office aide:

1. Completed office aide application.
2. Senior status (juniors will be considered on an individual basis in the 2nd semester).
3. "C" or better GPA.
4. Office aide for no more than one block each semester.
5. No more than six office aides are allowed for each block.
6. No discipline problems, including tardies and/or absences.

Individual Student Alternative Education Plan Program (ISAEP)

While the ultimate goal for students is to earn a Standard or Advanced Studies Diploma, the ISAEP Program provides an alternative opportunity for an **eligible** student to complete high school. This program prepares students at-risk of dropping out of public high school to take the GED tests while developing career and technical education skills. The ISAEP program fulfills compulsory attendance requirements for students who are between 16-18 years of age. There is a referral process for this program. Please see your school counselor for more information.

A student is eligible for enrollment in the ISAEP program if:

- The student is currently enrolled;
- Is at least 16 years of age;
- Is at risk of dropping out of school;
- Is not earning the required number of credits at school;
- Meets academic and entrance requirements; and
- Chooses to prepare for the GED tests.

Additional Resources

The NCHS Counseling Department offers additional resources for our students. **If you do not want your child to participate in these services, you must inform the school in writing.**

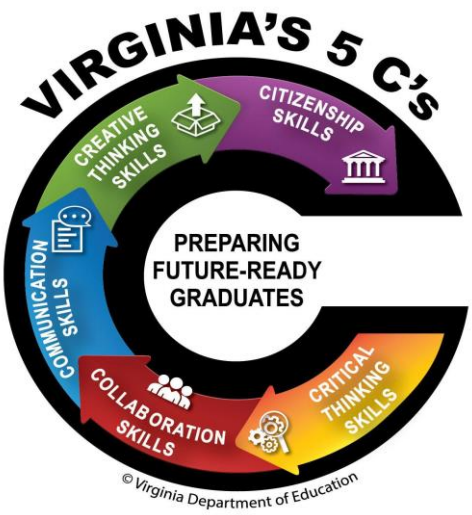
- The **college advisor** is employed through the Virginia College Advising Corps. The college advisor works with students in grades 9-12 by assisting with SAT/ACT registration and preparation; providing assistance with the college process; reading and reviewing essays for college and scholarships; and assisting with financial aid. The college advisor provides career counseling and college transition for students in grades 9 -12 who plan to attend community college, as well as those who have no post-secondary plans.

- The **outreach admissions coach** is employed at Piedmont Virginia Community College. The outreach admissions coach works with students primarily in grades 12 who plan to attend community college. They provide career counseling, admissions and enrollment information, financial aid and college application assistance, and information on PVCC educational programs.

- The **financial aid advisor** is employed through the Great Aspirations Scholarship Program, Inc. (GRASP). GRASP is a non-profit organization specializing in helping students and their families, regardless of financial resources, develop an educational plan for after high school. GRASP's professional financial aid counselors work in high schools, without charge to students and families, to assist in overcoming financial and motivational challenges to the goal of higher education.

PROFILE OF A VIRGINIA GRADUATE

Virginia's revised graduation requirements maintain high expectations for learning in English, math, science, and history/social science while reducing the number of Standards of Learning (SOL) tests students must pass to earn a high school diploma. The new standards also implement the "Profile of a Virginia Graduate," which describes the knowledge, skills, attributes, and experiences identified by employers, higher education, and the state Board of Education as critical for future success.



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

The Five C's: In preparing students to meet the Profile of a Virginia Graduate, schools are required to ensure students develop the following competencies, known as the "Five C's":

- **Critical thinking** - Virginia students develop critical thinking skills when they have opportunities to explore issues, develop questions and hypotheses, consider evidence, and synthesize results with other lessons and information.
- **Creative thinking** - Virginia students develop critical thinking skills when they have opportunities to explore issues, develop questions and hypotheses, consider evidence, and synthesize results with other lessons and information.
- **Communication** - When students have opportunities to develop their communication skills, they are able to utilize verbal and nonverbal methods to listen, speak, read, and compose information for their own benefit as well as that of those around them.
- **Collaboration** - Virginia students will graduate prepared for life outside the classroom when they learn how to integrate diverse perspectives and rely on fellow learners to achieve a common goal.
- **Citizenship** - Virginia students will graduate prepared for life outside the classroom when they learn how to integrate diverse perspectives and rely on fellow learners to achieve a common goal.

Career Exploration and Planning: The career-planning component of the Profile of a Virginia Graduate provides an opportunity for students to learn more about the employment options and career paths they first explored in elementary and middle school.

While there is no specific career-related activity that a student must experience (such as an internship or job-shadowing assignment) to earn a diploma, school divisions must provide opportunities for students to learn about workplace expectations and career options in their own communities and elsewhere.

By reducing the number of SOL tests students must pass to earn a diploma, the new standards increase flexibility for schools to expand work-based and service-learning programs that promote college, career, and civic readiness. The new graduation requirements are effective with students entering the ninth grade in the fall of 2018 (class of 2022). The number of standard credits for a Standard Diploma and an 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.

THE 16 CAREER CLUSTERS

Exciting and diverse careers are open to qualified applicants. The possibilities are limitless. Your school counselor and career coach will help you learn more about these opportunities and about your own interests using career assessments. Most careers fall into one of the following sixteen career clusters:

AGRICULTURE, FOOD & NATURAL RESOURCES

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

ARCHITECTURE & CONSTRUCTION

Careers in designing, planning, managing, building, and maintaining the built environment.

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

BUSINESS MANAGEMENT & ADMINISTRATION

Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

EDUCATION & TRAINING

Planning, managing and providing education and training services, and related learning support services.

FINANCE

Planning, services for financial and investment planning, banking, insurance, and business financial management.

GOVERNMENT & PUBLIC ADMINISTRATION

Executing governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels.

HEALTH SCIENCE

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

HOSPITALITY & TOURISM

Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel-related services.

HUMAN SERVICES

Preparing individuals for employment in career pathways that relate to families and human needs.

INFORMATION TECHNOLOGY

Building linkages in IT occupations framework for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

PUBLIC SAFETY, CORRECTIONS & SECURITY

Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

MANUFACTURING

Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

MARKETING, SALES & SERVICE

Planning, managing, and performing marketing activities to reach organizational objectives.

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

PLANNING, MANAGING, AND providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

TRANSPORTATION, DISTRIBUTION & LOGISTICS

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water, and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

NELSON COUNTY HIGH SCHOOL
FOUR-YEAR ACADEMIC PLAN

Name _____ Date _____ Diploma _____

Grade 9	Grade 10	Grade 11	Grade 12
1._____	1._____	1._____	1._____
2._____	2._____	2._____	2._____
3._____	3._____	3._____	3._____
4._____	4._____	4._____	4._____
5._____	5._____	5._____	5._____
6._____	6._____	6._____	6._____
7._____	7._____	7._____	7._____
8._____	8._____	8._____	8._____

Notes:
_____
_____

Number of Credits Required for My Diploma: 27 (Standard Diploma) or 29 (Advanced Diploma)

5 Verified (SOL) Credits Required for both the Advanced and Standard Diploma
English - 2 Math - 1 Science - 1 Social Studies - 1

Completed Economics and Personal Finance (EPF): Yes or No

Completed Career Technology Education Certification (Standard Diploma only): Yes or No

Community Service Hours (10 required): Yes or No

Career Goal: _____