



# PROGRAM OF STUDIES



**2026-2027**



## MESSAGE FROM PRINCIPALS

The Program of Studies is an essential tool for your use in planning a course of study for middle and high school. This resource provides descriptions of courses and learning opportunities available to all students as they prepare for a career or a college education.

Students and parents/guardians are encouraged to carefully review the variety of options available in our schools. Please discuss your plans with teachers, school counselors, and other individuals knowledgeable about specific careers when considering which options to choose for achieving personal goals.

The mission of Caroline County Public Schools is to provide a quality education through diverse, engaging, and challenging classes. Additionally with Achieve 2027, we want to create a roadmap to 3E Readiness for all CCPS graduates. Through intentional collaboration, a commitment to action, assessment, and adjustment, each student will work intentionally alongside staff, community partners, and family members to reach their post-secondary pathway: Enrolled, Enlisted, and/or Employed. The Academies at Caroline, EDGE, STARS, and LEADS, offer pathways that connect rigorous coursework. The Academies at Caroline equip students with durable skills, credentials, and experiences so they graduate truly 3E-ready: prepared to enroll, enlist, or be employed.

We hope that you will find in the Program of Studies educational opportunities that meet the needs of your children as they prepare for their future.

Sincerely,

Dr. Thomas Connolly  
Principal, Caroline High School

Mr. Joshua Just  
Principal, Caroline Middle School

# GRADUATION REQUIREMENTS

## Introduction & Overview of High School Options

Caroline County Public Schools recognizes Virginia Code - 8 VAC 20-131-50: The requirements for a student to earn a diploma from a Virginia High School shall be those in effect when that student enters the ninth grade for the first time.

For our students to graduate with a Standard Diploma, a student must earn at least 22 standard units of credit by passing required courses and electives, and earn at least five verified credits by passing end-of-course SOL tests or other assessments approved by the Board of Education. The students must also earn a board-approved career and technical education credential and successfully complete one virtual course, which may be non-credit bearing.

To graduate with an Advanced Studies Diploma, a student must earn 26 standard units of credit and at least five verified units of credit. Students must additionally successfully complete one virtual course, which may be non-credit bearing. Your high school counselor will help monitor course credits and diploma requirements.

## Advanced Studies Diploma

Advanced Studies Diploma*	Standard Credits	Verified Credits
English	4	2
Mathematics	4	1
Laboratory Science	4	1
History and Social Sciences	4	1
World Languages	3	
Health and Physical Education	2	
Fine Arts or Career and Technical Education	1	
Economics and Personal Finance	1	
Electives	3	
<b>Total</b>	26	5

\*Effective with first-time ninth graders in 2018–2019 and beyond

## Standard Diploma

Standard Diploma*	Standard Credits	Verified Credits
English	4	2
Mathematics	3	1
Laboratory Science	3	1
History and Social Sciences	3	1
Health and Physical Education	2	
World Language, Fine Arts, or Career and Technical Education	2	
Economics and Personal Finance	1	
Electives	4	
<b>Total</b>	22	5

\*Effective with first-time ninth graders in 2018–2019 and beyond

# Additional Opportunities to Earn Verified Credits

**Summer School:** Students enrolled in a course with an SOL in which they have not earned a verified credit will be given the opportunity to take the exam for that course during summer school.

**Fall SOL testing:** Students who have completed an SOL course but have yet to receive their verified credit will have the opportunity to earn it during the VDOE testing windows associated with the exams. These windows are typically October for Writing and December for all other subjects, but they are subject to the CCPS testing schedule.

**Spring Testing:** Seniors who have not earned verified credits for graduation are tested in the VDOE Term Graduate testing Window, which is typically mid-April but is subject to change based on VDOE changes.

**Substitute Test:** After students have completed the initial attempt of the EOC Reading and/or Writing assessment and one retest in their junior year without earning a passing score, they may have the opportunity to complete a board-approved substitute test in the fall of their senior year.

## Special Education

All students with disabilities who are eligible for special education services participate in the secondary curriculum according to their Individualized Educational Plans (IEP). A variety of programs are provided to meet the student's individual needs including supportive and related services, resource assistance offers training in study skills, social skills, organizational skills, and other educational needs identified on the student's IEP. Collaborative classes are co-taught by special and general educators in the general education setting. Small-group classes are taught by one instructor in a more individualized setting with special instruction from trained teachers. Applied Studies Diploma options are available based on IEP team decisions. Parents, teachers, counselors, or administrators may refer students to the Special Education Department to determine eligibility for these services.

## Promotion Requirements

9th Grade	0 Credits	Students must have met middle school requirements
10th Grade	5 Credits	Student must have a total of 5 high school credits
11th Grade	11 Credits	Student must have a total of 11 high school credits
12th Grade	15 Credits	Student must have 15 total high school credits and be able to meet all graduation requirements by May of the graduating year. This is at the principal's discretion.

## Grade Point Average & Grading Scale

Letter Grade	Grading Scale	Quality Points Non-Weighted Courses	Quality Points Weighted Honors Courses	Quality Points AP and DE Courses
A+	97-100	4.5	5	5.5
A	90-96	4	4.5	5
B+	87-89	3.5	4	4.5
B	80-86	3	3.5	4
C+	77-79	2.5	3	3.5
C	70-76	2	2.5	3
D+	67-69	1.5	2	2.5
D	60-66	1	1.5	2
F	0-59	0	0	0

## Student Course Selection and Changes

The formal course registration process, coordinated by school counselors, takes place between **January and February** for the subsequent academic year.

- **December:** Parents and students are granted an initial opportunity to review and pre-select courses via the PowerSchool Parent Portal, which may include teacher recommendations.
- **March - April:** A review period is scheduled for parents and students to confirm selections and submit any necessary adjustments.
- **Final Deadline:** The absolute final date for all course change requests is **June 1st**.

## Course Additions or Withdrawals

Students may request level changes or course withdrawals **after the first two weeks** of the school year. Students will need to request a CCPS Class Change / Drop Request form from their school counselor. No new courses may be added to a student's schedule **after the first three weeks** of the school year due to credit hour requirements. All course changes are based on principal approval. If the request is denied, the student will remain in the original class. If a change in course level is made when switching classes, **the grade will transfer**. There will be no record made on the permanent record form of courses dropped during the first fourteen (14) weeks of a full year course. Any Dual Enrollment semester courses will follow the Germanna withdrawal policy. After this period, withdrawal from a course with a passing grade will be considered a WP and will not be calculated into the grade point average; withdrawal with a failing grade will be considered as a WF and a failure (F) figured into the grade point average. Exceptions (WNR) to this may be made by the principal in the case of hardship on the part of the student.

# GRADUATION CORDS, SEALS & MEDALS

## CORDS

**Beta (Black and Gold Cord):** Member in good standing of the BETA organization for academic achievement and community service.

**Chesapeake Bay (Blue and Green Cord):** For students who attend the Chesapeake Bay Governor's School.

**Criminal Justice (Black and Royal Blue Cord):** 2.5 GPA or higher & 24 hours of community service

**Early College Scholars (Blue and Silver Cords):** The Early College Scholars program encourages eligible high school students to earn 15 hours of transferable college credits while completing the requirements for an Advanced Studies Diploma.

To qualify, students must:

- Have a "B" average or higher.
- Be on track for an Advanced Studies Diploma.
- Complete courses that result in at least 15 transferable college credit hours.
- Sign an Early College Scholars agreement.

**Enlisted in the Military (Gold Cord):** Student enlisting in any branch of the military after graduation.

**FCCLA (Red and White Cord):** Member in good standing of the FCCLA organization for Family and Consumer Science.

**Governor's School: CBGS (cords and seal), CGS (medal and seal):** Completion of the Governor's School program as indicated by program representatives.

**JROTC (Black Cord):** Completion of the JROTC program as indicated by instructors.

**Mu Alpha Theta (Light Blue and Gold Cord):** Inducted member in good standing within Mu Alpha Theta.

**National Honor Society (White Stole):** Inducted member in good standing of the National Honor Society.

Additional recognition cords may be authorized for graduation ceremonies, subject to **final approval by the Principal.**

# SEALS

**Graduation Seals:** Students meeting specific requirements for graduation and demonstrating exemplary performance may receive diploma seals for recognition. Section 8VAC20-131-51 of the Standards of Accreditation establishes the requirements for diploma seals. VDOE provides the following seals to local school divisions.

**Governor's Seal:** 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:** Awarded to students who complete the requirements for a Standard Diploma or Advanced Studies Diploma with an average grade of "A" beginning with the ninth-grade class of 2006-2007 and beyond.

**Career & Technical Education Seal:** The Board of Education's CTE Seal is awarded to students who: earn a Standard or Advanced Studies Diploma and complete a prescribed sequence of courses in a career & technical education concentration or specialization that they choose and maintain a "B" or better average in those courses  
**or** pass an examination or an occupational competency assessment in a CTE concentration or specialization that confers certification or occupational competency credential from a recognized industry, trade or professional association  
**or** acquire a professional license in that career and technical education field from the Commonwealth of Virginia.

The Board of Education shall approve all professional licenses and examinations used to satisfy these requirements. Visit The Path to Industry Certification for the current approved licenses and examinations.

**Science, Technology, Engineering, and Mathematics (STEM) Seal:** Shall be awarded to students who earn either a Standard Diploma or an Advanced Studies Diploma and satisfy all Math & Science requirements for the Advanced Studies diploma with a "B" average or better in all course work, successfully complete a 50 hour or more work-based learning opportunity in a STEM area, satisfy all requirements for a Career and Technical Education concentration (a concentration is a coherent sequence of two or more state-approved courses as identified in the course listing within the CTE Program Area Guide), and pass one of the following:

- a Board of Education CTE STEM-H credential examination, or
- an examination approved by the Board that confers a college-level credit in a STEM field.

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

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

*Students should reach out to their school counselor to complete the Civics Seal form to receive this recognition on the diploma.*

**Seal of Biliteracy:** Awarded to students who earn a Board of Education-approved diploma and:

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

*Please visit the Seal of Biliteracy webpage for more information, including the list of assessment options for meeting the foreign language proficiency requirement.*

**Seal for Excellence in Science and the Environment** (*available only to students who entered ninth grade in 2018-2019 or thereafter*): Awarded to students who enter the ninth grade for the first time in the 2018-2019 year and thereafter, and meet each of the following criteria:

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

**Advanced Studies Diploma Seal:** See graduation requirements for current requirements

## MEDALS

### Cum Laude

Final cumulative GPA of 3.75 or higher.

### Magna Cum Laude

Final cumulative GPA of 4.0 or higher.

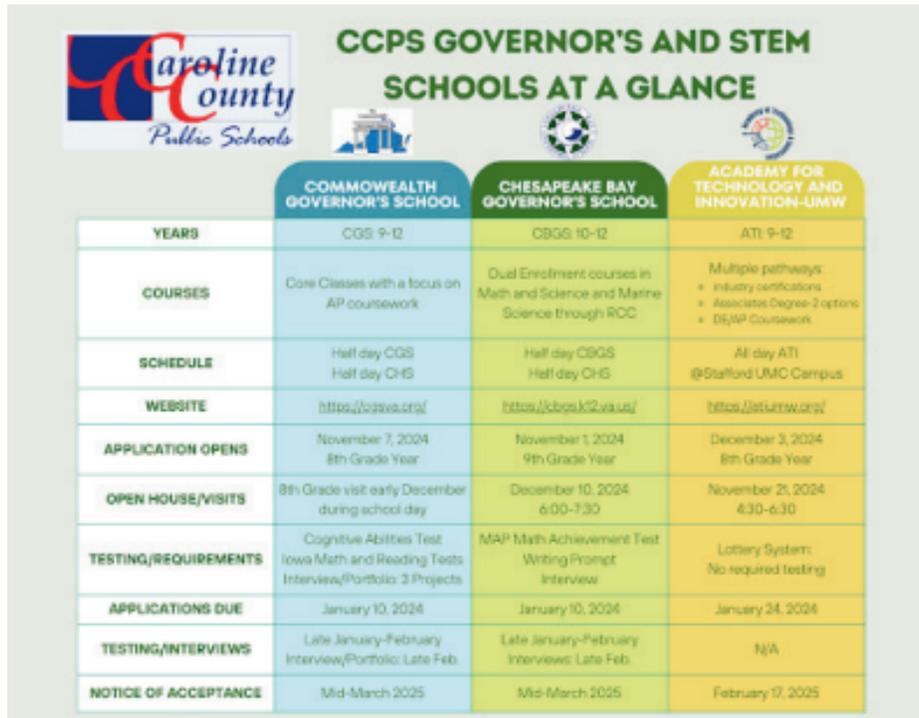
### Summa Cum Laude

Final cumulative GPA of 4.25 or higher.

## Advanced Placement and Dual Enrollment Course Comparison

	Advanced Placement (AP)	Dual Enrollment (DE)
Prerequisite		3.0 cumulative GPA and have earned the verified credit in Algebra 1.
Cost	\$99 fee determined by the CollegeBoard. CCPS offers cost reduction support.	
Offered By	CollegeBoard	Germanna Community College
Taught By	CHS Staff	CHS Staff
Credit Transfer	How credit transfers is dependent upon the college where the student enrolls	How credit transfers is dependent upon the college where the student enrolls

# CCPS Governor's School and STEM School Opportunities



The infographic features the Caroline County Public Schools logo and three school logos: Commonwealth Governor's School, Chesapeake Bay Governor's School, and Academy for Technology and Innovation-UMW. Below these is a table with the following data:

	COMMONWEALTH GOVERNOR'S SCHOOL	CHESAPEAKE BAY GOVERNOR'S SCHOOL	ACADEMY FOR TECHNOLOGY AND INNOVATION-UMW
<b>YEARS</b>	CGS 9-12	CBGS 10-12	ATI 9-12
<b>COURSES</b>	Core Classes with a focus on AP coursework	Dual Enrollment courses in Math and Science and Marine Science through ROC	Multiple pathways: <ul style="list-style-type: none"> <li>Industry certifications</li> <li>Associate Degree-2 options</li> <li>DE/AP Coursework</li> </ul>
<b>SCHEDULE</b>	Half day CGS Half day CHS	Half day CBGS Half day CHS	All day ATI @Stafford UMC Campus
<b>WEBSITE</b>	<a href="https://cgpsva.org/">https://cgpsva.org/</a>	<a href="https://cbgsk2va.us/">https://cbgsk2va.us/</a>	<a href="https://ati.umw.org/">https://ati.umw.org/</a>
<b>APPLICATION OPENS</b>	November 7, 2024 8th Grade Year	November 1, 2024 9th Grade Year	December 3, 2024 8th Grade Year
<b>OPEN HOUSE/VISITS</b>	8th Grade visit early December during school day	December 10, 2024 6:00-7:30	November 21, 2024 4:30-6:30
<b>TESTING/REQUIREMENTS</b>	Cognitive Abilities Test Iowa Math and Reading Tests Interview/Portfolio: 3 Projects	MAP Math Achievement Test Writing Prompt Interview	Lottery System No required testing
<b>APPLICATIONS DUE</b>	January 10, 2024	January 10, 2024	January 24, 2024
<b>TESTING/INTERVIEWS</b>	Late January-February Interview/Portfolio: Late Feb.	Late January-February Interviews: Late Feb.	N/A
<b>NOTICE OF ACCEPTANCE</b>	Mid-March 2025	Mid-March 2025	February 17, 2025

## Chesapeake Bay Governor's School

The Chesapeake Bay Governor's School for Marine and Environmental Science provides 10th, 11th, and 12th grade high-ability students from the northern Neck and the Middle Peninsula with a rigorous curriculum in science and math. A competitive application process is required for admission. Students take college level courses in math and science and earn dual enrollment credit through Rappahannock Community College. Each course offers one weighted high school credit. Caroline County is allotted approximately 30 slots each year.

**Prerequisites:** Students apply for CBGS in 9th Grade. They must be on track to successfully complete geometry by the end of 9th grade in order to apply.

### Courses taught at the Chesapeake Bay Governor's School include:

10th Grade: Algebra III/Advanced Mathematics with Algebra II, Foundations in Science, Biology

11th Grade: Trigonometry/Pre-Calculus and Statistics, Marine and Environmental Science, Chemistry

12th Grade: Calculus, Physics, Outdoor Adventures

*\*Accepted students take morning classes at the Governor's School and afternoon classes at the high school. For course descriptions contact the Chesapeake Bay Governor's School at 804-633-3406.*

# The Commonwealth Governor's School

Highly talented and motivated high school students have the opportunity to attend the half day program with courses taken including math, science, social studies and English. Students for the Commonwealth Governor's School are drawn from 11 high schools in Stafford County, Spotsylvania County, King George County, and Caroline County for a more rigorous course of study. Caroline students will attend at the King George location. All courses are honors level and above with Advanced Placement exam options available, as well as, two dual enrollment classes. Each CGS site is equipped with an on-site video conferencing broadcast system, computers, "Blackboard" web access to course information, free Questia online research library, online tutorials in chemistry and physics, email accounts for all students, and iPads for site use.

**Prerequisites:** Students apply for CGS in 8th grade. They must be on track to successfully complete algebra by the end of 8th grade in order to apply.

## **Courses taught at The Commonwealth Governor's School include:**

9th grade: Honors English 9, Honors Algebra II, AP European History, AP Environmental Science

10th grade: Honors English 10 Honors, Math Analysis with Discrete Topics or Honors Geometry with Trigonometry, AP US Government, AP Biology

11th grade: AP Language & Composition, AP Calculus BC or Honors Math Analysis with Discrete Topics, AP US History, DE Chemistry

12th grade: AP Literature & Composition, AP Statistics or AP Calculus BC, AP Human Geography, AP Physics

## Academy for Technology and Innovation (UMW)

### The Academy of Technology and Innovation at the University of Mary Washington

#### **Student Experience**

ATI-UMW, a college partnership regional high school, focuses on the reciprocal relationship between computer and data science fields, as applied across content areas using an interdisciplinary, project-based learning approach. This program provides opportunities for students interested directly in computer and data sciences, as well as for students interested in liberal arts and classical sciences who want to augment their skills and knowledge through developing a complementary skill set in computer and data sciences. Students participate in robust, hands-on, project-based learning experiences that will



involve real-world learning experiences, performance-based assessment, and hands-on service learning opportunities. Instructional approaches include personalized, small group, and traditional classroom learning environments, and instruction is enhanced through college and community partnerships.

### Location

ATI-UMW is located at the University of Mary Washington's Stafford Campus off of Route 17 in Stafford County. Caroline students selected for enrollment and opting to attend will transfer to ATI-UMW for all four years of high school. Students will be concurrently enrolled in their zoned high school for VHSL eligibility, but complete all academic coursework at ATI.

### Eligibility Criteria and Selection

All students eligible for entry into the 9th grade at Caroline High School and pursuing at minimum a standard diploma are eligible to apply. Eligible students that apply will be entered into a pool of candidates for selection via lottery. Students and their families should be aware that coursework in the program is rigorous, includes a number of honors, Advanced Placement, and optional dual enrollment courses, providing opportunities for college credit and/or industry certifications.

### ATI-UMW - Sample Course Sequence

Content Area	9th Grade Courses	10th Grade Courses	11th Grade Courses	12th Grade Courses
English History and Social Sciences	Global Studies I (English 9 and World Geography OR AP World Geography)	Global Studies II (English 10 and World History II OR AP World History)	American Studies I (DE English 11 Virginia and DE US History OR regular English 11 and US History)	American Studies II (DE English 12 and Virginia and DE US Government OR regular English 12 and US History)
Mathematics	Algebra I	Geometry	Algebra II	Pre-Calculus
	Integrated Mathematics I (Algebra I + Geometry Part A)	Integrated Mathematics II (Algebra II + Geometry Part B)	Pre-Calculus OR Data Science	Calculus AB OR AP Statistics OR DE Mathematics
	Geometry	Algebra II		
	Algebra II	AP OR DE Pre-Calculus	AP Calculus AB OR DE Calculus	AP Calculus BC OR DE Calculus OR AP/DE Statistics
Science OR Integrated Science	Biology	Chemistry (Regular OR Honors)	Physics OR DE Biology	Physics, AP, OR DE Science

<b>Content Area</b>	<b>9th Grade Courses</b>	<b>10th Grade Courses</b>	<b>11th Grade Courses</b>	<b>12th Grade Courses</b>
<b>Health and Physical Education</b>	Health and Physical Education 9 (virtual)	Health and Physical Education 10 (virtual)	N/A	N/A
<b>World Language Offerings*</b>	Spanish I, II, III	Spanish II, III, IV	Spanish III, IV, V (AP OR DE)	Spanish IV, V (AP OR DE)
<b>Required Electives</b>	Computer and Data Science Principles	AP Computer Science Principles	AP Computer Science Applications OR AP Statistics	Economics and Entrepreneurship (Fulfills Economics and Personal Finance content, integrated with entrepreneurship and taught across all four years; awarded senior year)
<b>Additional Elective Possibilities**</b>	Graphic Design I and II, Art I and II, Cloud Computing; Coding Website Design (HTML and CSS); Data Methods and Analysis (Mixed Methods); Data Science Applications; Data Visualizations; Digital Art I; Digital Art II; Digital Marketing and Data Science; Ethics and Government for Data and Computer Science; Introduction to Data Science Coding Languages (R, Python, SQL, etc.) Music Studio; Population Science; Teachers for Tomorrow I and II; UX and UI			
<p>**The exact elective possibilities will be curated through existing staff, higher education partnerships, Virtual Virginia, concurrent enrollment opportunities, independent study, and small group instruction based on student interests and instructor availability.</p>				

NOTE: Upper-level courses may include Advanced Placement (AP) or Dual Enrollment (DE) options not currently listed. Staff are working with Germanna Community College, Rappahannock Community College, and the University of Mary Washington to consider an associate's degree pathway.

\*Other world languages may be offered through Virtual Virginia and augmented through the college partnership.

# Virtual Virginia

Caroline County Public Schools is continuing its partnership with Virtual Virginia to expand access to high-quality virtual learning for students in grades 6–12. This program offers more than 140 online courses taught by Virginia-certified instructors, including core academics, world languages, career and technical education (CTE), and a wide range of electives.

This initiative aligns with Virginia General Assembly legislation (VSB1303, 2021), which allows school divisions to offer alternative instructional models through Virtual Learning Model.

Virtual learning is a form of distance education where instruction and content are delivered primarily over the internet. Caroline County students in grades 6–12 have access to virtual options through Virtual Virginia, an approved state provider and can take advantage of flexible virtual instruction while remaining enrolled in the public school system.

Students enrolled in Virtual Virginia through CCPS remain full members of their school community and are eligible to participate in all public school extracurricular activities and sports.

Students who thrive in a virtual environment are typically organized, self-motivated, highly engaged, demonstrate strong reading skills, attend consistently, and complete tasks on time. This ongoing partnership reflects CCPS's commitment to offering diverse and accessible learning pathways for every student.

All Virtual Virginia course offerings are subject to student interest and staff availability. Please note all courses may not be offered each year. While most courses are offered as year long courses, some courses may only be offered in Fall or Spring Block. Some courses require prerequisite course work. Most courses are offered in two formats: Asynchronous and Synchronous.

## [Virtual Virginia Course Offerings](#)

## Dual Enrollment through Virtual Virginia

VVA offers the **Commonwealth Dual Enrollment Pathways Program** to students in grades 11 and 12 throughout the state in partnership with **Tidewater Community College (TCC)**. Students enrolled in the program have access to high-quality teachers, instruction, and resources while earning dual enrollment college credit or a work-ready cybersecurity certification. Enrollment in each dual enrollment course requires payment of both the appropriate VVA enrollment fee and TCC tuition.

**Programs:** Uniform Certificate of General Studies (UCGS)

Career Studies Certificate in Cybersecurity and Network Foundations

### [Virtual Virginia Dual Enrollment Course Offerings](#)

Once students are enrolled in VVA course through Caroline High School, students will need to complete the following for dual enrollment admission:

1. Tidewater Community College Application: [VCCS/TCC Online Application](#)
2. Tidewater Community College DE account: [TCC DE Student Account](#)

***\*All VVA DE courses must be approved by the school counselor and meet prerequisites.***

#### **Program Prerequisites:**

- Career Studies Certificate in Cybersecurity and Network Foundations
  - Cumulative GPA 2.0 or higher
- UCGS/Passport
  - Cumulative GPA 3.0 or higher
  - C or higher in Algebra II or a higher-level math course [required to enroll in MTH 161]

# Academies of Caroline



- Criminal Justice
- Culinary Arts
- Teaching and Learning
- Patient Care
- Sports Medicine
- Agriculture Business
- Plant Systems
- Automotive Maintenance
- Building Trades
- Drafting & Design
- Cosmetology
- Technology Systems
- Management & Entrepreneurship
- Military Service
- Digital Mass Communications
- Print Mass Communications



Caroline High School's Academies connect education with opportunity by aligning classroom learning to real-world experiences across three themed academies, EDGE (Entrepreneurship, Digital Growth & Excellence), LEADS (Leadership, Empowerment, Development & Service), and STARS (Skilled Trades & Applied Resource Solutions). The model helps every student build a clear 3E plan (enrolled, enlisted, or employed) through aligned coursework, industry credentials, and partnerships with colleges, employers, and the military, all while making a large school feel smaller and more personal. Participation in an academy does not limit access to AP, Honors, Dual Enrollment, arts, or collaborative classes; students can fully engage in these opportunities while pursuing their pathway.

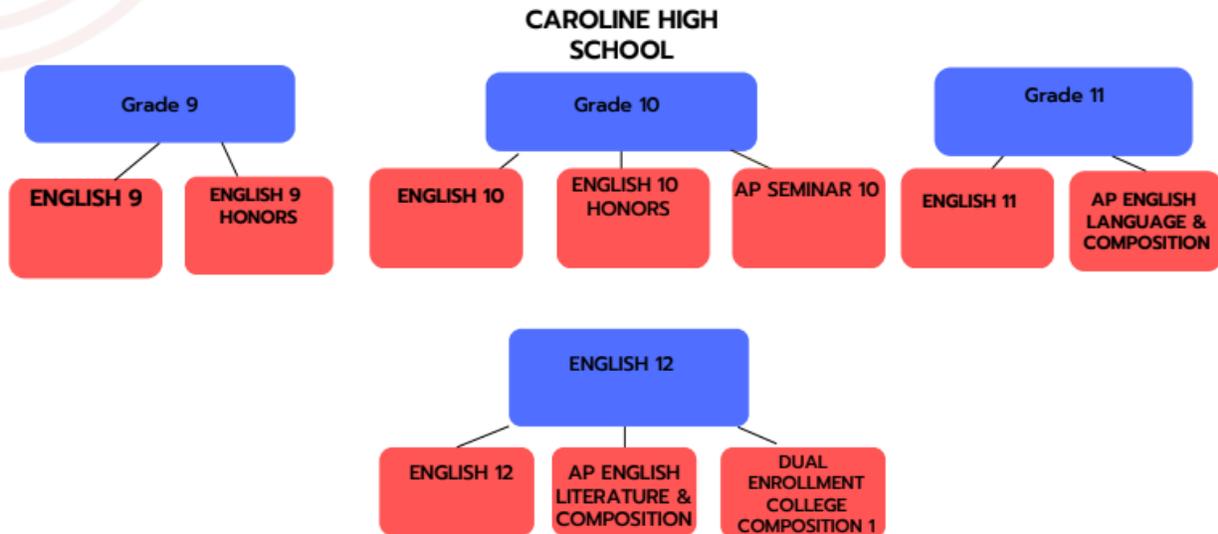
Work-Based Learning (WBL) is a key feature of the Academies at Caroline. Students can earn course credit and a CTE credential by completing supervised placements. Seniors in good academic standing may request early release aligned to their work schedule, and program expectations emphasize attendance, progress toward graduation, and professional conduct. Together, these experiences prepare students with the skills, habits, and certification

# Caroline High School Courses

*Course offerings are contingent upon sufficient student enrollment and adequate staff availability and therefore may not be offered annually.*

## CCPS English Language Arts Pathways

All students are encouraged to take a rigorous course sequence and have 4 years of English in high school to earn an advanced diploma. Students have the opportunity to move flexibly between these pathways based on performance, interest, SOL scores, and reading proficiency.



### English 9

Course No. 1130 - 1 Credit

Students will study grammar, literature, and composition with the emphasis on analysis and improved student writing for a variety of purposes. Vocabulary development is a central focus, and directed. Reading will focus on a variety of fiction and nonfiction texts. Word study will enhance vocabulary, leading to a higher level of communication and comprehension. The course also includes required research and presentation skills.

### English 9 Honors

Course No. 1130A - 1 Weighted Credit

Students will study grammar, literature, and composition with the emphasis on analysis and improved student writing for a variety of purposes. Vocabulary development is a central focus, and directed. Independent reading is an integral aspect of the course. Reading will focus on a variety of fiction and nonfiction texts. A documented research paper is required, and students will learn and apply effective techniques of oral presentation. This course is designed for the student who is motivated to work at an accelerated pace with assignments beyond the average level.

## **English 10**

Course No. 11400 - 1 Credit

English 10 is a study of grammar, literature, vocabulary, and composition. Students will demonstrate knowledge and understanding of various literary genres including poetry, drama, short stories, and nonfiction. Coherence and unity in composition are achieved through a focus on the writing process. Vocabulary development is enhanced through the literature text and word study. The course also includes research and public speaking.

## **English 10 Honors**

Course No. 1140A - 1 Weighted Credit

This course continues the accelerated pace established in Advanced English 9. Grammar, literature, and composition are studied in an integrated manner, focusing on analysis of style and improvement of student writing. Vocabulary development continues with context and independent vocabulary sources. Novels, journals, and essays are read, analyzed, and discussed. A documented research paper is required.

## **AP Seminar**

Course No. 22110- 1 Weighted Credit

AP Seminar is an interdisciplinary course that encourages students to demonstrate critical thinking, collaboration, and academic research skills on topics of the student's choosing. Students will develop and practice the skills in research, collaboration, and communication that is needed in any academic discipline. Students will investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team.

## **English 11**

Course No. 11500 - 1 Credit

English 11 involves grammar, usage, mechanics, speaking, vocabulary development, and composition. While writing is emphasized, students will also examine and analyze American literature and a variety of nonfiction texts. Students write a documented formal research paper and present both written and oral presentations.

## **Advanced Placement Language and Composition**

Course No. 1196A - 1 Weighted Credit

This AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical context, and in becoming skilled writers who compose for a variety of purposes. Both their writing and reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre, conventions, and the resources of language contribute to effectiveness in writing. Students must complete Virginia-mandated EOC tests in Reading and Writing during the first semester.

## **English 12**

Course No. 11600 - 1 Credit

English 12 emphasizes a review of the mechanics of writing, the principles of grammar, and the elements of critical thinking. Students will examine and analyze fiction texts by British authors, evaluating how authors use key elements to contribute to meaning and interpreting how themes are connected across texts. This study will include vocabulary development, classroom

discussion, and oral presentations. Students will write for a variety of purposes to include a documented research paper and a résumé. Collaboration and presentation skills will also be areas of focus.

### **Dual Enrollment College Composition I**

Course No. 1600D - ½ Weighted High School Credit, 3 Germanna Community College Credits  
*Prerequisite: Must meet Germanna Community College qualifications.*

Dual Enrollment English is a college level course which develops writing ability for study, work, and other areas based on experience, observation, research, and reading of selected literature. Students are guided in learning writing as a process: understanding audience and purpose, exploring ideas and information, and composing, revising, and editing. This rigorous course supports writing by integrating experiences in thinking, reading, listening, word study, and speaking. Upon successful completion the student will receive college credit. There is a required summer assignment.

### **Dual Enrollment College Composition II**

Course No. 1601D - ½ Weighted High School Credit, 3 Germanna Community College Credits  
*Prerequisite: Passing Dual Enrollment College Composition I with a C or higher.*

This course is a continuation of Dual Enrollment College Composition I.

### **Advanced Placement (AP) English Literature and Composition**

Course No. 1195A - 1 Weighted Credit

AP English 12 is a college-level course designed to challenge the advanced student. Critical, analytical, and expository writing is required as well as mastery of the English 12 performance indicators and the study of world literature. Summer reading is required as an integral part of this course. In May, the students can take the national examination to qualify for college credit. There are required summer assignments.

### **Creative Writing\***

Course No. 11710 - 1 Credit

This is an elective class that places emphasis on the essay, short story, elements of drama, poem, podcasts, and rhetoric. Selections from major writers are used to define characteristics of the genre and introduce the language of literature. Students study the creative process and select and develop topics to produce original examples of each type of writing.

### **English Workshop**

Course No. 13010 - 1 Credit

English Workshop offers ninth grade students a chance to learn, practice, and improve reading strategies through teacher modeling, cooperative learning, and independent practice. This strategy-based course helps improve reading comprehension, vocabulary, and listening comprehension. Target areas include fiction and nonfiction literacy skills. Writing is also a component of this class.

**Mass Media I\***

Course No. 12000 - 1 Credit

This project-based elective course involves the skills of managing, recording, editing, and planning morning announcements and other school-related broadcasts. In addition to video assignments, students will also learn how to create media-worthy presentations and products which include signage, PSAs, and other online and print media. The students will gather and research information, conduct interviews, write scripts, and take and edit pictures and videos, among other related skills. This class may involve participation outside of class.

**Mass Media II\***

Course No. 12100 - 1 Credit

*Prerequisites: Mass Media I*

This course involves students to take on a leadership role with creating and producing broadcasts and other print and online media.

**Mass Media III\***

Course No. 12110 - 1 Credit

*Prerequisites: Mass Media II*

This course involves students the opportunity to hone their leadership skills, manage and organize the Mass Media staff, and develop professional skills to be successful in this profession after graduation.

**Mass Media IV\***

Course No. 12120 - 1 Credit

*Prerequisites: Mass Media III*

This elective course will train students to serve as leaders in the Mass Media field. This will include managing broadcasts and podcasts, as well as online and print media.

**Photojournalism I-IV\* (Yearbook I-IV)**

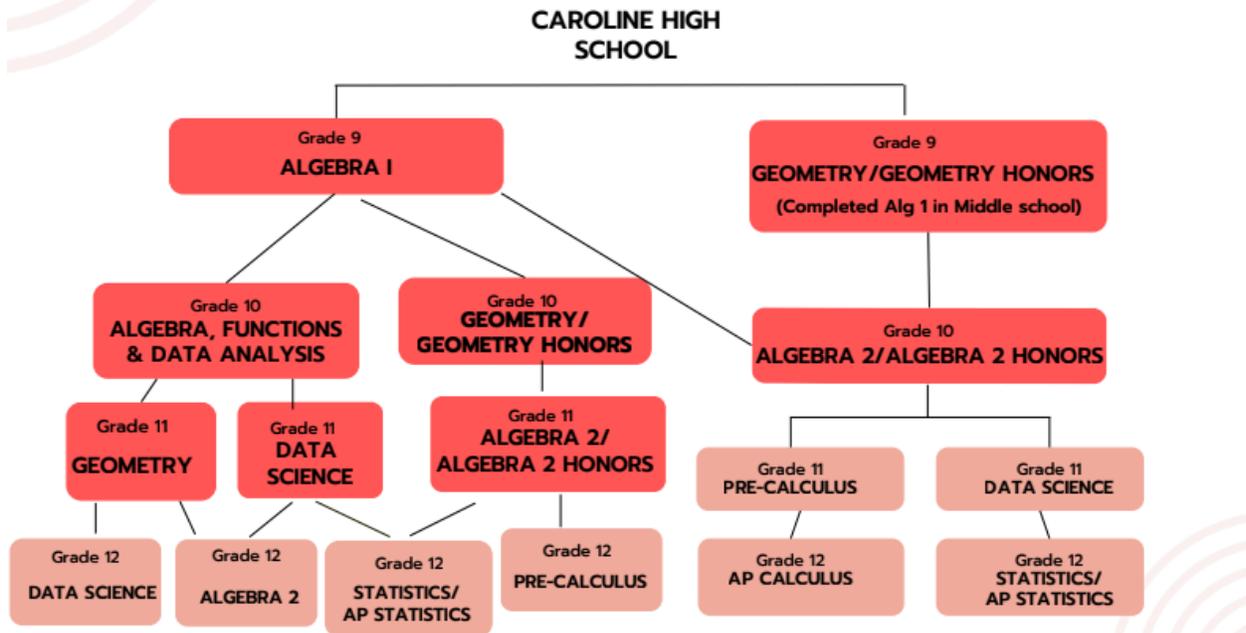
Course Nos: 12150, 12160, 12170, 12180 - Each course is 2 Credits.

*Prerequisites: Application Process*

Requirements for course credit will be outlined in a student contract to be signed by the student, teacher, and parent. Significant out-of-class responsibilities are required. Students will apply the writing process for interviewing, lead-ins, and caption development. They will edit, proofread, and revise copy for publication. Students will apply specialized vocabulary and incorporate taking photographs with script and artwork. Students will study layout and design, composition, press work, and finishing operations of printed products. Students will conceptualize journalistic procedures that record school year activities, while focusing on the development of writing skills for printed media. Experienced staff members will handle leadership roles for the yearbook staff. Students will be responsible for different sections of the yearbook and will aid in the training of new staff members.

# CCPS Mathematics Pathways

All students are encouraged to take a rigorous course sequence and have 4 years of mathematics in high school to earn an advanced diploma. Students have the opportunity to flex between these pathways based on performance and interest.



3 years of mathematics courses are required for a standard diploma

## Algebra I

Course No. 31300 - 1 Credit

This course requires students to use algebra as a tool for representing and solving a variety of contextual problems. Tables and graphs will be used to interpret algebraic expressions, equations, and inequalities and to analyze behaviors of functions.

## Geometry

Course No. 31430 - 1 Credit

*Prerequisite: Algebra I*

Geometry is a course designed for students who have successfully completed Algebra I. The course includes an emphasis on developing reasoning skills through the exploration of geometric relationships including properties of geometric figures, trigonometric relationships, and mathematical proofs. In this course, students use various types of reasoning, justification, and methods of direct and indirect proof and interpret and determine the validity of conditional statements. Venn diagrams are used to represent set relationships.

## **Geometry (Honors)**

Course No. 3143A - 1 Weighted Credit

*Prerequisite: Algebra I*

Geometry is a course designed for students who have successfully completed Algebra 1. The Honors course includes an emphasis on developing reasoning skills through the exploration of geometric relationships including properties of geometric figures, trigonometric relationships, and mathematical proofs. In this course, students use various types of reasoning, justification, and methods of direct and indirect proof and interpret and determine the validity of conditional statements. Venn diagrams are used to represent set relationships. This honors course provides a more rigorous and in-depth investigation of topics covered in Geometry. Students will also write proofs as well as demonstrate theorems as part of this challenging course

## **Algebra, Functions, and Data Analysis**

Course No. 31340 - 1 Credit

*Prerequisite: Algebra I*

Algebra, Functions, and Data Analysis is a course designed for students who have successfully completed the Standards for Algebra 1 and may benefit from additional support in their transition to Algebra 2. Within the context of mathematical modeling and data analysis, students will study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data. Data will be generated through practical applications arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, exponential, or piecewise-defined equations or a system of equations.

## **Algebra II**

Course No. 31350 - 1 Credit

*Prerequisite: Geometry*

Students enrolled in Algebra II have mastered the concepts outlined in the Algebra 1 Standards. A thorough treatment of advanced algebraic concepts will be provided through the study of functions, equations, inequalities, systems of equations, polynomials, rational and radical equations, complex numbers, and curves of best fit. Emphasis will be placed on contextual applications and modeling throughout the course of study. Oral and written communication concerning the language of algebra, logic of procedures, and interpretation of results should also permeate the course.

## **Algebra II (Honors)**

Course No. 3135A - 1 Weighted Credit

*Prerequisite: Geometry*

Students enrolled in Algebra II have mastered the concepts outlined in the Algebra 1 Standards. A thorough treatment of advanced algebraic concepts will be provided through the study of functions, equations, inequalities, systems of equations, polynomials, rational and radical equations, complex numbers, and curves of best fit. Emphasis will be placed on contextual applications and modeling throughout the course of study. Oral and written communication concerning the language of algebra, logic of procedures, and interpretation of results should also permeate the course. Students will apply these concepts in practical situations as part of this challenging course

## **Data Science**

Course No. 02911 - 1 Credit

The Data Science course provides an introduction to the learning principles associated with analyzing big data. 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 make generalizations. 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. The course is recommended to be taken after Geometry.

## **Pre-Calculus (Honors)**

Course No. 3162A - 1 Weighted Credit

*Prerequisite: Algebra II*

This course is a rigorous study of advanced algebra, a comprehensive study of functions, and an extensive study of trigonometry.

## **Statistics**

Course #31900- 1 Credit

*Prerequisite: Geometry*

This course will provide an introduction to basic statistical knowledge and reasoning. The purpose of the course is to present basic concepts and techniques for collecting and analyzing data, drawing conclusions, and making predictions. Technology tools will be used to assist in teaching and learning. Graphing technologies facilitate visualizing, analyzing, and understanding algebraic and statistical behaviors and provide a powerful tool for solving and verifying solutions.

## **Advanced Placement (AP) Calculus AB**

Course No. 3177A - 1 Weighted Credits

*Prerequisite: Pre-Calculus*

This is a college level calculus course devoted to topics in differential and integral calculus. You'll work to understand the theoretical basis and solve problems by applying your knowledge and skills. Students are encouraged to take the Advanced Placement Examination administered by the College Board and may receive college credit for satisfactory scores

## **Advanced Placement (AP) Statistics**

Course 02203- 1 Weighted Credit

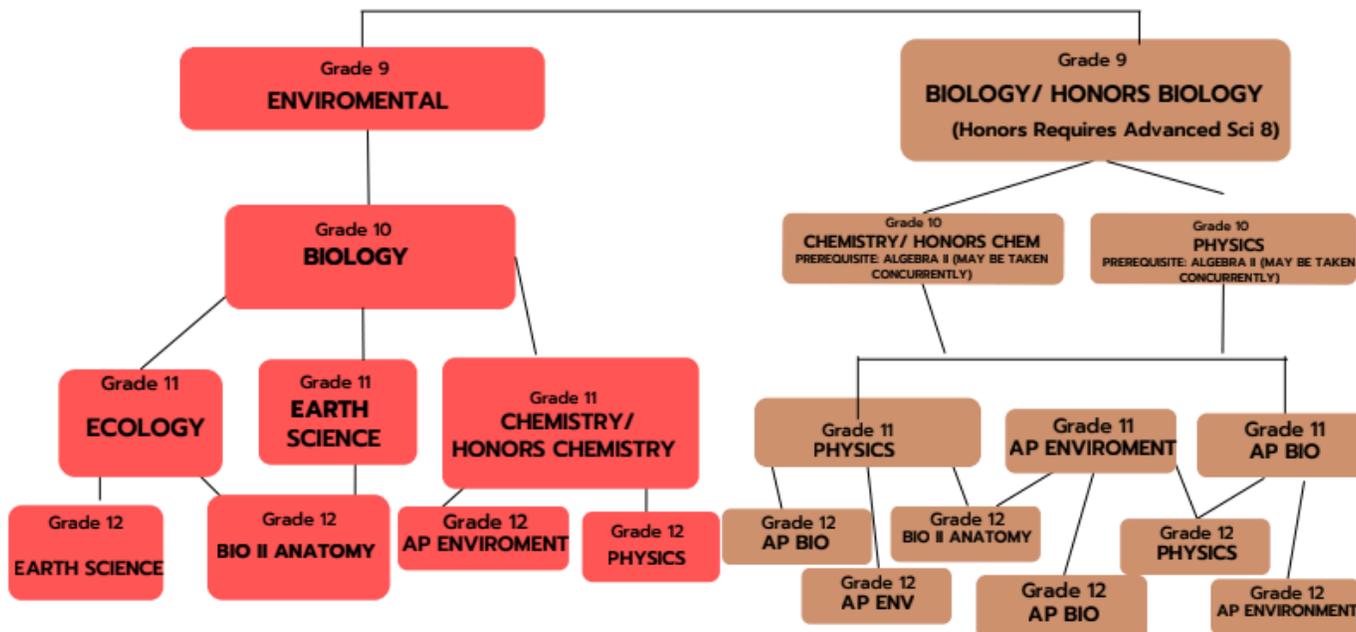
*Prerequisite: Algebra II*

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

# CCPS Science Pathways

All students are encouraged to take a rigorous course sequence and have 4 years of science in three different lab sciences in high school to earn an advanced diploma. Students have the opportunity to flex between these pathways based on performance and interest.

## CAROLINE HIGH SCHOOL



3 years of science courses are required for a standard diploma - with two different sciences

### Environmental Science

Course No. 03003 - 1 Credit

*\$10.00 fee required.*

This course integrates the study of many components of our environment, including the human impact on our planet. The course focus is on scientific inquiry, the physical world, the living environment, resource conservation, humans' impact on the environment, and legal and civic responsibility.

### Biology

Course No. 43100 - 1 Credit

*Prerequisite: Environmental Science, \$10.00 fee required.*

In this course, students are introduced to major biological concepts within the construct of scientific investigation. Emphasis is placed on cellular structures, processes, and organization, metabolism, growth and development, evolution, classification, genetics, and introductory ecology. Students are expected to use the scientific method to discover scientific principles and to submit laboratory reports. There is an EOC SOL test for this course.

### **Biology (Honors)**

Course No. 4310A- 1 Weighted Credit

*Prerequisite: Advanced 8th Grade Science, \$10.00 fee required*

This advanced biology course is rigorous, a fast paced course and explores in depth, biological concepts and the scientific process. Areas of study include the cells, biochemistry, genetics, classification, evolution, and ecology. Students are expected to be independent learners with good communication skills. Students are required to complete extensive laboratory work including an independent research project. There is an EOC SOL test for this course.

### **Biology II: Anatomy/Physiology**

Course No. 43300 - 1 Credit

*Prerequisite: Successfully completed Biology I*

*\$15 dollar fee required.*

In this upper level science course, students will study the anatomy and physiology of the human body. Topics of study will include the structures and functions of various cells, tissues, organs, and organ systems. Students are expected to complete many group and individual projects which include presentations. There will be 3 organ dissections throughout the course including the brain, eye, and heart.

### **Earth Science**

Course No. 42100 - 1 Credit

*\$5.00 fee required*

This course involves a contemporary, interdisciplinary approach to the study of the earth, its hydrosphere, and its atmosphere. Topics discussed will be geology, oceanography, meteorology, and astronomy. There is an EOC SOL for this course.

### **Biology II: Ecology**

Course No. 43400 - 1 Credit

*\$5.00 fee required*

*Prerequisite: Successfully completed Biology I*

This course builds upon the detailed understandings of living systems addressed in Biology I. Students investigate the flow of matter and energy in biotic and abiotic components of an ecosystem; geochemical processes; chemical and biochemical processes essential for life; water chemistry and the impact of water on life processes; and processes and interactions of Earth systems. Content gives focus to the individual, populations, communities, ecosystems, biomes, and global issues.

### **Chemistry**

Course No. 44100 - 1 Credit

***Prerequisite: Successfully completed Biology Course and SOL, and Algebra II or be currently enrolled in Algebra II.***

*\$10.00 fee required.*

Chemistry is a general introduction to the composition, structure, properties, and interactions of matter. The areas of primary concentration are (1) matter and its properties, (2) the structure of matter, (3) the relationship of energy to chemical changes, and (4) chemical reactions. There is an EOC SOL test for this course.

## **Chemistry ( Honors)**

Course No. 44100A - 1 Weighted Credit

*\$10.00 fee required.*

***Prerequisite: Successfully completed Biology Course and SOL, and Algebra II or be currently enrolled in Algebra II.***

Honors Chemistry is a rigorous, laboratory-based course designed for students seeking an advanced foundation in chemical principles and scientific inquiry. This course emphasizes quantitative analysis, problem-solving, and the development of strong laboratory technique through hands-on experimentation and data interpretation. Major topics include atomic structure, bonding, stoichiometry, chemical reactions, thermochemistry, gas laws, solutions, and introductory kinetics and equilibrium. There is an EOC SOL test for this course.

## **Physics**

Course #45100, 1 Credit

*Prerequisites: Successfully completed Algebra II or be currently enrolled in Algebra II; successfully completed Biology Course and SOL*

*\$5.00 fee required.*

This course emphasizes a more complex understanding of experimentation, the analysis of data, and the use of reasoning and logic to evaluate evidence. The use of mathematics, including algebra, inferential statistics, and trigonometry is important, but conceptual understanding of physical systems remains a primary concern. The course stresses the practical application of physics in other areas of science and technology and how physics affects our world. Students are required to submit written laboratory reports and to design and conduct research projects that are experimental in nature.

## **AP Biology**

Course No. 44700- 1 Weighted Credit

*Prerequisites: Successfully completed Biology and passed the SOL*

*\$10.00 fee required.*

Curriculum for this course is governed by the AP College Board. Biology AP is an overview of the major principles and processes in the areas of molecular and cellular biology and organisms—population biology. AP Biology content and lab work compose 70-80% of the course, while 20-30% of the course is devoted to experimental research. Every student is required to complete a research project that is experimental in nature. The research project must be completed to receive credit for the AP course. Students are encouraged to take the Advanced Placement Examination administered by the College Board and may receive college credit for satisfactory scores.

## **AP Environmental Science**

Course No. 03207 - 1 Weighted Credit

*Prerequisites: Successfully completed Biology and passed the SOL*

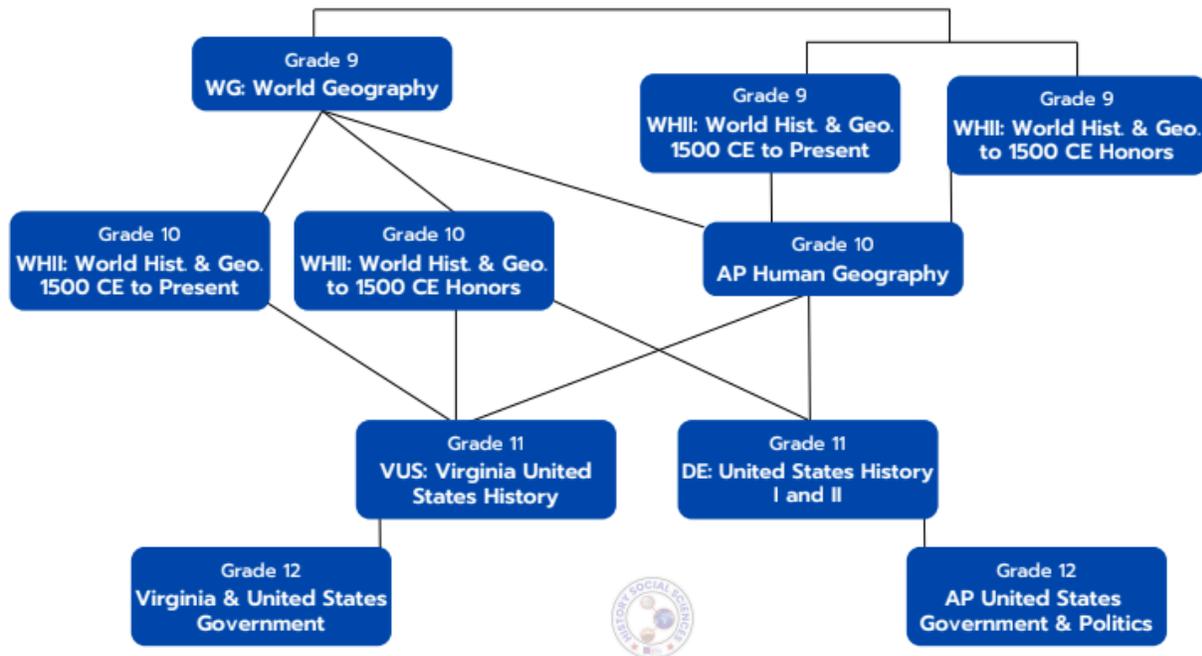
*\$15.00 fee required*

Curriculum for this course is governed by the AP College Board. Biology AP is an overview of the major principles and processes in the areas of molecular and cellular biology and organisms - population biology. AP Biology content and lab work compose 70-80% of the course, while 20-30% of the course is devoted to experimental research. Every student is required to complete an experimental research project. Students are encouraged to take the Advanced Placement Examination administered by the College Board and may receive college credit for satisfactory scores.

# CCPS History Social Science Pathways

All students are encouraged to take a rigorous course sequence and have 4 years of history in high school to earn an advanced diploma. Students can flex between these pathways based on performance and interest.

## CAROLINE HIGH SCHOOL



### World Geography

Course No. 22100 - 1 Credit

Students will study the world's people, places, and environments, with an emphasis on world regions. The course's knowledge, skills, and perspectives are centered on the world's peoples and their cultural characteristics, landforms and climates, economic development, and migration and settlement patterns. Spatial concepts in geography will serve as a framework for studying interactions between people and their environments. Using geographic resources, students will employ inquiry, research, and technology skills to ask and answer geographic questions. Emphasis will be placed on students' understanding and application of geographic concepts and skills to their daily lives.

### World History & Geography 1500 - Present

Course No. 22160 - 1 Credit

*Prerequisites: World Geography or World History to 1500 C.E.*

The World History II course content focuses on an intensive chronological study of the world since the 16th century. Students' understanding of the relationships among history, geography, economics and civics in the modern world will be emphasized. Using texts, documents, maps, diagrams, and charts, students will develop historical and geographic comprehension of various cultures. The spatial concepts of geography are integrated with the chronological development of nations and peoples.

### **World History & Geography 1500 - Present (Honors)**

Course No. 2216A - 1 Weighted Credit

*Prerequisites: World Geography or World History to 1500 C.E.*

This course is a study of the modern world since the 16th Century. An understanding of the relationships among history, geography, economics and civics in the development of the modern world will be emphasized. Spatial concepts in geography will be connected to the chronological development of nations and peoples. Analysis and evaluation of issues, people, and the environment are emphasized for the connection to historical events. Research and analysis of data are significant requirements of the course.

### **United States and Virginia History**

Course No. 23600 - 1 Credit

This 11th grade course surveys the growth of the United States from the early Colonial Period to the modern era. Students gain an understanding of the development of American life, time periods, people, events, trends, and issues in American history. Basic documents, economic developments, and the influence of this history on the lives of present-day Americans are also discussed.

### **Dual Enrollment United States History I**

Course No. 2950D - ½ Weighted High School Credit, 3 Germanna Community College Credits

*Prerequisite: Must meet Germanna Community College qualifications and have successfully completed their history verified credit through the SOL or LAVC process.*

This advanced course provides an in-depth look at the social, political, and economic events that shaped American history from the Colonial Period to Modern America. The class requires outside reading and research. Upon successful completion, the student will receive college credit.

### **Dual Enrollment United States History II**

Course No. 2951D - ½ Weighted High School Credit, 3 Germanna Community College Credits

*Prerequisite: Passing DE US History I with a C or higher, and having successfully completed their history verified credit through the SOL or LAVC process.*

This course is a continuation of Dual Enrollment United States History I. English/Social Studies Section II

### **United States and Virginia Government**

Course No. 24400 - 1 Credit

*Prerequisite: U.S. & Virginia History*

This course is designed to provide a survey of the purposes of government, the foundation of the United States government, a comparison of the economic and political systems of the world, historical and current election practices, and rights and responsibilities of individuals under the United States Constitution. A study of specified historical documents is included.

### **Advanced Placement (AP) United States Government and Politics**

Course No. 2445A - 1 Weighted Credit

AP Government is designed to present students with an analytical perspective of government and politics in the United States. The course involves both the study of general concepts for interpreting U.S. politics and the analysis of specific case studies. The course will include the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. Students can take a national exam in May to earn college credit. Summer assignments required.

### **Advanced Placement (AP) Human Geography**

Course No. 04004 - 1 Weighted Credit

*Prerequisites: 10th grade or higher; Passed World Geography or World History and Geography 1500 to Present*

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012).

### **Psychology\***

Course No. 29000 - 1 Credit

Psychology is an elective course which is designed to examine the influences on human behavior. The course will explore the concepts of behavior and emotion and encourage students to relate the study of psychology to themselves and to their society and culture. A study of the brain, personality, adolescent growth and development, and mental and emotional disorders will be studied. Emphasis will be placed on the definition and management of stress.

### **Dual Enrollment Early Humanities\***

Course No. 2315A - ½ Weighted High School Credit, 3 Germanna Community College Credits

*Prerequisites: Must meet Germanna qualifications*

This course is designed to introduce the humanities through the art, literature, music and philosophy of various cultures and historical periods. This course is writing intensive. Students should expect to write regular research papers and critical essays. Students will also present research in class presentations. Since this is a college-level course, students are expected to do extensive reading and writing outside of school hours.

### **Dual Enrollment Modern Humanities**

Course No. DEHUM989 - ½ Weighted High School Credit, 3 Germanna Community College Credits

*Prerequisites: Must meet Germanna qualifications*

Examines the values and expressions of ideas across various Western and non-Western cultures from the 1300s to the 1900s

### **Dual Enrollment Economics\***

Course No. DE989EC - 1 Weighted High School Credit, 3 Germanna Community College Credits

*Prerequisites: Must meet Germanna qualifications*

Discover the essentials of economics and how they shape your world. This course cuts through complex theory to focus on the current issues and concerns you see in the media every day. You'll gain a strong foundation in economic theory, history, and development, learning the key terms, definitions, and philosophies of market economies, with some comparison to other systems. Understand the importance of local, state, and national issues with economic themes, and gain an initial understanding of both microeconomic and macroeconomic concepts. Sign up to grasp how economic forces influence your life and future!

### **African-American Studies\***

Course #23710 - 1 Credit

This course will explore the historical and cultural significance of African Americans, from their origins on the African continent to their reformation of our American society. Students are introduced to key concepts in African American history, from early beginnings in Africa through the trade of enslaved Africans; the agency and resilience of African Americans during the Civil War, Emancipation, and Reconstruction to the modern civil rights era; and the joy, celebrations, and collaborations in the art, history and culture of the past and Modern Black America. Students will learn about African American voices, including many not traditionally highlighted, and their contributions to the story of Virginia and America. The course will challenge students to explore primary and secondary sources documenting the African American experience.

### **AP African-American Studies\***

Course #04908A - 1 Weighted Credit

*Prerequisites: 11th grade or higher*

The course is designed to offer high school students an evidence-based introduction to African American studies. This rigorous interdisciplinary course reaches into a variety of fields—literature, the arts and humanities, political science, geography, and science—to explore the vital contributions and experiences of African Americans. It examines 400 years of contributions by Africans and their descendants to the U.S., covering African civilizations and modern-day history to the present.

## **Health and PE**

### **Health and Physical Education 9**

Course No. 73000 - 1 Credit

*\$5.00 materials fee*

This course assists students in developing the knowledge, skills, and attitudes for physical fitness development, conditioning exercises, team sports, aerobic rhythms, and individual sports. These activities will help provide enriching experiences for wholesome attitudes and life-long wellness. Health education includes the study of the skeletal and muscular systems of the human body, personal health appraisal, prevention and control of diseases, and family life education.

### **Health and Physical Education 10 /Driver Education**

Course No. 74100 - 1 Credit

*\$5.00 materials fee and a \$100 behind-the-wheel fee (subject to change yearly)*

Health and PE 10 is designed to promote physical fitness and good mental health. Students participate in a variety of team, individual and dual sports, and dance. The health content includes decision making and basic anatomy as it relates to conditioning. Driver Education is part of this curriculum. Forty-eight hours of instruction are devoted to driver education. Twelve hours specifically address substance abuse. Completion of the Driver Education class entitles the student to behind-the-wheel instruction.

### **Strength and Conditioning\***

Course No. 76400 - 1 Credit \$5.00 fee is required.

*Prerequisite: Grade of "C" or higher in PE 10.*

This course provides the student instruction on proper form and technique when utilizing free weights and universal stations. Students will increase strength, flexibility, and speed employing the basic overload principle. Students will be introduced to basic anatomy and kinesiology as it pertains to weight training and physical conditioning. This class may be taken no more than twice.

*\*Strength and Conditioning may not be used for the Physical Education requirements or the sequential elective requirement for the Standard or Advanced Studies diplomas*

## **World Languages**

### **American Sign Language I**

Course No. 59900- 1 Credit

In the Level I ASL class, students who have no prior experience are fully immersed in a "no voicing" environment. Classroom instruction relies heavily on the use of native signers as language models through videos and contemporary film designed by Deaf linguists and educators. Students will explore basic aspects of Deaf culture, ASL history and perspectives of Deaf people in America as they become aware of how they might use Sign Language within the local Deaf community and beyond.

### **American Sign Language II**

Course No. 59950- 1 Credit

*Prerequisite: Successful completion of ASL I*

This course is designed to advance student progress in the expressive and receptive competencies established in Level 1. There is "no voicing" in this class. Moving beyond the very basics, students can now use more complex grammatical features in their sign production. Students will create their own short stories, narratives, and signed presentations. They will also pursue research assignments relating to the Deaf community, Deaf trends/issues, Deaf leadership, as well as research language and communication. During their second level of exploration, students will be encouraged to make personal connections to the larger signing community within and beyond CHS.

### **American Sign Language III**

Course No.59970 - 1 Credit

*Prerequisite: Successful completion of ASL II*

A continuation of ASL II with more academic and practical rigor. This level of instruction continues to build on the previous two levels with the addition of regular self-guided assignments that align their skill development with future academic and career paths. Level III students will be encouraged to participate in school-wide events and special activities that showcase their skills, including dramatic skits and musical signing. Students at this level are also encouraged to attend local community events and class field trips while interacting in American Sign Language.

### **French I**

Course No. 51100 - 1 Credit

This course is for first-time learners of French. Students acquire skills in understanding, reading and writing French. They are introduced to French culture and to forty other French-speaking countries around the world. They discover how culturally diverse the French-speaking world is. Other topics include classroom vocabulary and instructions, the French alphabet, numbers, telling the date, reading time, describing the weather and café conversations.

### **French II**

Course No. 51200 - 1 Credit

*Prerequisite: French I*

In the second level of French, students give personal information in French and learn French etiquettes around introducing people and holding phone conversations in French. They describe professions and use adjectives and common irregular verbs properly in full sentences. French geography and the specific character of French regions are the topics of project-work.

### **French III**

Course No. 51300 - 1 Credit

*Prerequisite: French II*

In French 3, students build on French 1 and 2 in order to write full sentences describing physical appearance and daily routine. They use reflexive verbs in the present and past tenses and have projects on French Impressionist and post-Impressionist art. Further topics include household chores, the highlights of early French history from 200 BC to the 1400s, and the masterpiece of French literature, *Les Misérables*.

### **Spanish I**

Course No. 55100 - 1 Credit

Students acquire skills in comprehending, reading, writing, and speaking Spanish. Vocabulary and basic grammar are taught through drills. The student explores the geography, customs, and traditions of Hispanic America.

### **Spanish II**

Course No. 55200 - 1 Credit

*Prerequisite: Spanish I*

The second-year Spanish student becomes knowledgeable of several verb tenses, idiomatic expressions, and grammatical skills in the language. This course enables the student to read, write, speak, and comprehend Spanish on a more advanced level. The study of the culture of Spanish speaking countries in South America continues.

### **Spanish III\*\***

Course No. 55300 - 1 Credit

*Prerequisite: Spanish II*

The third-year Spanish student continues to increase Spanish reading, writing, comprehending, and speaking skills. There is an emphasis on oral communication in the classroom. Students are introduced to the study of Hispanic literature, while they continue to explore the geography and culture of Spanish society.

## **Spanish IV**

Course No. 5540A - 1 Weighted Credit

*Prerequisite: Spanish III*

Spanish IV is taught predominantly in Spanish. Emphasis is placed on oral communication, advanced grammatical concepts, expanding vocabulary, and social justice issues in the Spanish-speaking world.

*\*\*If students wish to obtain college credits, they can take the C.L.E.P. test. It is recommended that the C.L.E.P. test be taken after successful completion of Spanish III.*

# **Career and Technical Education**

## **Freshman Seminar**

### **Career Strategies**

Course No. 22250 - 1 Credit

This course will provide all 9th grade students entering Caroline High school 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. Students will develop leadership, interpersonal, and career skills. High-quality work-based learning experiences 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. Students will have the opportunity to take the Workplace Readiness Skills Assessment during this course.

## **Jobs for Virginia Graduates - JVG**

Course No. 22151 - 1 Credit

*Suggested Grade Levels: 9-12*

This course is reserved for use by affiliates of the Jobs for Virginia Graduates network. The curriculum of Jobs for Virginia Graduates is designed to promote personal development and future career readiness. In this class students will have a variety of activities, including project-based learning, which will help them find a productive path into their future. Students will focus on 37 competencies in the following areas in 12th grade: Career Development, Job Attainment, Job Survival, Leadership and Self Development, and Personal Skills. Each member of JVG will become part of a student leadership organization and will have regional and/or national opportunities for enhancement of leadership skills.

## **Agricultural, Food, and Natural Resources**

### **Applied Agricultural Concepts**

Course No. 8073 - 1 Credit

*Suggested Grade Levels: 9-12; Required Fee: \$35*

Students who have limited or no agricultural background or experience learn fundamental agricultural competencies needed for rural or urban living. Areas of instruction include meat grading and selection; maintenance of home appliances and equipment; and the study of plumbing, electrical wiring, and carpentry fundamentals. This course also includes instruction on additional competencies in the study of soil fertility and in cultural practices for shrubs, lawns, gardens, and fruit trees. The course emphasizes leadership development activities and participation in FFA activities. Certifications offered at CHS include Beef Quality Assurance, Work Place Readiness, and Fertilizer Application Training.

### **Agriculture Production Technology**

Course No. 8010 - 1 Weighted Credit

*Prerequisite: 8073 Applied Ag. Concepts; Required Fee: \$10*

This course emphasizes one or more areas of plant science, animal science, soil science, agricultural business management, and agricultural mechanization, based upon the student's employment objective. Certifications offered at CHS include Beef Quality Assurance, Work Place Readiness, Fertilizer Applicator Training, and Private Pesticide Certification.

### **Agriculture Business Fundamentals**

Course No. 801600 - 1 Weighted Credit

*Prerequisite: 8073 Applied Ag. Concepts; Required Fee: \$35*

This introductory course prepares students for careers in agricultural mechanics, fabrication, and construction. Students receive hands-on experience with the operation, maintenance, and repair of agricultural equipment. Other experiences will include the use of tools and equipment for agricultural structures, electricity, welding, and carpentry.

### **Turfgrass Management**

Course No. 18054 - 1 Credit

*Suggested Grade Levels: 10 - 11 Required Fee: \$35*

Students will begin to master professional skills to establish and maintain environmentally friendly turfgrass in residential areas; golf courses; parks and recreational facilities; athletic fields; and school, industrial, and institutional campuses. The course integrates science, technology, engineering, and mathematics (STEM) concepts through hands-on application of sound turfgrass management and includes opportunities for industry certification. 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.

## **Introduction to Plant Systems**

Course No. 18051 - 1 Credit

*Suggested Grade Levels: 9-10* Required Fee: \$35

Students develop competencies in each of the major areas of the Plant Systems career pathway, including applied botany, plant propagation, and plant care and selection. Instructional content also includes an introduction to the various aspects of the plant systems industry. Students learn agricultural mechanics applicable to plant systems. 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

## **Horticulture Sciences**

Course No. 80340 - 1 Credit

*Suggested Grade Levels: 10-11* Required Fee: \$35

This course prepares students for postsecondary educational career programs and entry-level positions in the horticulture industry. Instruction includes industry safety standards, the applied science of plant production, greenhouse operation and management, landscape design, and the turfgrass industry. Students will use plant and soil science to propagate and cultivate horticultural crops in a greenhouse and/or land lab. 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.

## **Architecture & Construction**

### **Carpentry I**

Course No. 8601 - 1 credit

*Suggested Grade Levels: 10-11*

*Required Fee: \$10*

Carpentry I is the building-block for achieving high-level construction industry skills that can result in an exciting and lucrative career. With an emphasis on safety, students are taught to use hand and power tools, cut stock, apply construction mathematics, and interpret blueprints. Students will become proficient in identifying types of residential construction components to form foundations and frame walls, floors, ceilings, roofs, doors, and windows. All students will obtain the required OSHA 10 safety credential. The course lasts 18 weeks. Certifications offered at CHS include OSHA 10 Safety, CPR, and WPR.

## **Carpentry II**

Course No. 8602 - 2 credits (year-long course)

*Prerequisite: Carpentry I Suggested Grade Levels: 11-12*

*Required Fee: \$10*

Carpentry II leads to successful transition into postsecondary education for careers in carpentry and related fields, such as construction management, architecture, and others. Students are taught the safe use of hand and power tools common to the industry to complement their OSHA 10 safety credential earned in Carpentry I. Students will become proficient in assembling and installing various types of residential construction components that are current with industry standards, including rigging and job-estimating procedures, forming foundations, framing floors, walls, ceiling, roofs, trusses, roofing materials, stairs, exterior doors and windows, decks, and porches. Successfully passing this course leads to CTE program completion. Certifications at CHS include Skills USA Carpentry Level 1, CPR Renew, and NCCER Certification.

## **Carpentry III**

Course No. 8603 - 2 credits (year-long course)

Suggested Grade Level: 12th

*Prerequisites: Carpentry I and II*

*Required Fee: \$10*

Carpentry III is an advanced course that allows students to gain in-depth knowledge and hands-on experience in construction industry skills. Workbased learning methods of instruction for this course would provide the student with practical, on-the-job experience in addition to what he or she has already mastered in Carpentry I and II. Additional exploration of the carpentry profession and postsecondary options for continuing education and professional opportunities are also emphasized. Note: Carpentry III may be offered as a complement to an existing concentration sequence in any Career Cluster. In some instances, where noted, it may be combined with specific courses to create concentration sequences. Certifications at CHS include NOCTI, CPR Renew, and OSHA 10 Renew.

# **Business Management and Administration**

## **Principles of Business and Marketing**

Course No. 6115 - 1 Credit

Suggested Grade Level: 9

Required Fee: \$10

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. Certifications offered at CHS include Workplace Readiness. DECA is a co-curricular Career and Technical Student Organization associated with Principles of Business and Marketing.

## **Marketing**

Course No. 8120 - 1 Credit

*Suggested Grade Levels: 10 - 11*

*Required Fee: \$10*

Students examine activities in marketing and business important for success in marketing employment and postsecondary education. Students will learn how products are developed, branded, and sold to businesses and consumers. Students will analyze industry trends and gain hands-on experience in the marketing of goods, services, and ideas. Topics will include professionalism in the workplace, product planning and positioning, promotion, pricing, selling, economic issues, and the impact of technology on the marketplace. Computer/technology applications and DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events. Certifications offered at CHS include Workplace Readiness and the National Retail Federation if this is their second year in a Marketing course. DECA is a co-curricular Career and Technical Student Organization associated with Marketing.

## **Entrepreneurship**

Course No. 9303 - 1 Credit

*Suggested Grade Level Grade 11 - 12*

*Required Fee: \$10*

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 entrepreneurial venture, using design thinking and business model development. Students will learn about financial statements, marketing principles, sales and customer service, and basic economic principles for successful operation. Certifications offered at CHS include Workplace Readiness and the National Retail Federation if this is their second year in a Marketing course. DECA is a co-curricular Career and Technical Student Organization associated with Entrepreneurship.

# **Information Technology**

## **Computer Information Systems**

Course No. 66120 - 1 Credit

*Prerequisites: Grades 9-12; Recommended Keyboarding, Digital Applications or Tech Skills*

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

# Education and Training

## **Introduction to Early Childhood Education**

Course No. 19153 - 1 Credit

*For Grades 10-12*

*Recommended for students who enroll in Teachers for Tomorrow.*

Introduction to Early Childhood Education students explore different types of early childhood education programs and delivery models, develop safe and healthy learning environments for children, and identify the ages and stages of child development and developmentally appropriate practices that support child development from birth through age 12. Students explore balancing work and family, professionalism, and education and training requirements for multiple early childhood education career pathways during the course. 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.

## **Teachers for Tomorrow \***

Teachers for Tomorrow I Course No. 9062 - 1 Credit

Teachers for Tomorrow II Course No. 9072 - 1 Weighted Credit

This course is for 11th and 12th grade students fosters interest, understanding, and appreciation of the teaching profession, and allows secondary students to explore careers in education. Students build a foundation for teaching; learn the history, structure and governance of teaching; apply professional teaching techniques in the teach for tomorrow classroom and field experience; and reflect on their teaching experiences. Additional educational leadership opportunities are offered through the student organization, Educators Rising.

# Finance

## **Economics and Personal Finance**

Course No. 61200 - 1 Credit

*Required Fee: \$5*

Note: Students will be required to visit the JA Finance Park Field Trip as a part of this course. This course is a requirement for graduation. Suggested Grade Levels: 11-12 Students learn how economies and markets operate and how the U.S. economy is interconnected with the global economy. Additionally, students learn how to navigate financial decision making and to make informed decisions relating to career exploration, budgeting, banking, credit, insurance, spending, financing postsecondary education, taxes, saving and investing, buying/leasing a vehicle, and living independently. Students also learn the importance of investing in themselves to gain valuable knowledge and skills. Development of financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship, more effective participation in the workforce, and career success. The course incorporates all economics and financial literacy objectives included in the Code of Virginia §22.1-200-03B. The course incorporates all economics and financial literacy objectives included in the Code of Virginia §22.1-200-03B.

# Government and Public Administration

## Army JROTC

This program is designed to teach high school students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment, while instilling in students' self-esteem, teamwork, and self-discipline. Its focus is reflected in its mission statement: "To motivate young people to be better citizens." It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. The program is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that will benefit the student, community, and nation. Completion of three years of JROTC and a qualifying score on the ASVAB will qualify students to enlist in the Armed Forces at a higher rank and pay grade.

Enrollment requirements:

- Must be willing to wear the Army JROTC uniform once a week.
- Must be willing to meet military grooming standards to include hair, piercings, cosmetics, & jewelry.
- Must be a full-time student at CHS.
- Must maintain an acceptable standard of conduct and be of good moral character. • Must maintain an acceptable standard of academic achievement.
- Must be physically fit.
- Selection made by the instructors, administrators, and/or director of school counseling.

## Army JROTC I

Course No. 79130 - 1-2 Credits based on student request and schedule availability (year-long)

*Prerequisites: Grades 9-12; See enrollment requirements.*

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

## Army JROTC II

Course No. 79160 - 1-2 Credits based on student request and schedule availability (year-long)

*Prerequisites: Grades 10-12; Military Science I; See enrollment requirements.* Students are introduced to the JROTC curriculum, and basic U.S. citizenship rights and responsibilities are established and reinforced. Students learn leadership, history, communication techniques, disciplined study habits, management skills, first aid, drug abuse prevention, map reading, physical fitness, and workplace readiness skills. Military customs and courtesies, proper uniform wear, and personal appearance guidelines are followed within the leadership lab, drill, and military ceremonies.

### **Army JROTC III**

Course No. 79180 - 1-2 Credits based on student request and schedule availability (year-long)

*Prerequisites: Grades 11-12; Military Science II; See enrollment requirements.* Students continue to develop their leadership skills through working as command and staff leaders. Additional communication skills are developed, including methods of instruction, preparation, and proper conduct of cadet-led classes. Human relations, group dynamics, orienteering, contemporary U. S. issues, and advanced military history studies are also included.

### **Army JROTC IV**

Course No. 79190 - 1-2 Credits based on student request and schedule availability (year-long)

*Prerequisites: Grade 12; Military Science III; See enrollment requirements.* Students continue to develop their leadership skills through working as command and staff leaders. Additional communication skills are developed, including methods of instruction, preparation, and proper conduct of cadet-led classes. Human relations, group dynamics, orienteering, contemporary U. S. issues, and advanced military history studies are also included.

## **Health Sciences**

### **Introduction to Health and Medical Sciences**

Course No. 8302 - 1 Credit

*Suggested Grade Levels: 9-12*

*Required Fee: \$15*

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

### **Medical Terminology**

Course No. 14154 - 1 Credit (36 Weeks)

*Grade Levels: 10-12*

*Required Fee: \$10*

*Recommended prerequisite: Introduction to Health and Medical Sciences 8303* Medical Terminology is designed to help students learn common medical terms essential for patient care. Topics are presented in logical order, beginning with each body system's anatomy and physiology and progressing through pathology, laboratory tests and clinical procedures, therapeutic interventions, and pharmacology. Students learn concepts, terms, and abbreviations for each topic. 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.

### **Nurse Aide I and II**

Course No. - 3 Credits

*Suggested Grade Levels: 11th and 12th only \$45.00 fee*

**Prerequisites:** Introduction to Health and Medical Sciences. Students are required to apply to the program. Applicants are selected using a grading rubric that includes disciplinary, attendance, grade level, and grade in Anatomy and Physiology and / or Introduction to Health and Medical Sciences.

This course is designed to prepare the student to take and pass the National Nurse Aide Assessment Program (NNAAP) examination. The Nurse Aide student will be able to: be able to demonstrate competency in skills and techniques, exhibit competency in skills necessary to maintain or improve patient's functioning, communicate and interact competently with patients, family members, and care teams on a one-to-one level, demonstrate sensitivity to patient's cultural, emotional, social, mental, and physical needs through appropriate interactions, assist patients in attaining and maintaining functional independence, demonstrate behavior in support and promotion of patient's rights, demonstrate skills in observation, reporting, and documentation needed to participate in the assessment of patient's health, physical condition, and well being necessary to care for patient's needs. Students will visit clinical sites to provide care for real patients and practice the skills they have learned. Students will be required to have a minimum of 40 hours clinical time, clinical sites may vary.

### **Sports Medicine I**

Course No. 7660 - 1 Credit

*Suggested Grade Levels: 11-12*

*Required Fee: 25.00*

**Recommended prerequisite(s):** Introduction to Health and Medical Sciences 8302 This course of studies provides students with the basic concepts and skill set required for an entry-level position as a sports medicine aide. It introduces students to topics such as injury prevention, nutrition, first aid/ CPR/AED, exercise physiology, and biomechanics. Students study basic human anatomy and physiology, medical terminology, legal and ethical issues in sports medicine, and career preparation. Course competencies have been constructed so as not to go beyond the professional scope of aide. Mastery of the material in this course would provide students with a strong background should they wish to pursue certification in areas such as first aid, CPR, and AED. Certifications offered at CHS include CPR and Workplace Readiness.

### **Sports Medicine II**

Course No. 7662 - 1 Credit

**Prerequisites:** Sports Medicine I and a \$25.00 fee. *Suggested Grade Level: 12* This course of studies provides students with the basic concepts and skill set required for an entry-level position as a sports medicine assistant. It introduces students to topics such as injury prevention, nutrition, first aid/ CPR/AED, exercise physiology, and biomechanics. Students study basic human anatomy and physiology, medical terminology, legal and ethical issues in sports medicine, and career preparation. Course competencies have been constructed so as not to go beyond the professional scope of aide/assistant level. Mastery of the material in this course would provide students with a strong background should they wish to pursue certification in areas such as first aid, CPR, AED, and/or personal trainer. Certifications offered at CHS include CPR and Workplace Readiness.

# Hospitality and Tourism

## **Culinary Arts I**

Course No. 82750 - 1 Credit

*\$40.00 fee is required. Prerequisite: 10th grade*

This course introduces the fundamental principles of food preparation and basic culinary procedures. This class stresses the use of proper culinary procedures combined with food science, proper sanitation, standards of quality for food items that are made, and proper use and care of kitchen equipment. Instruction includes: preparation of fruits, vegetables, grains, cereals, legumes, and farinaceous products. Students will prepare stocks, soups, sauces, meat, poultry, shellfish, fish, and game. Students will practice selecting the appropriate use of these foods as meal components. Students will be required to work catering events as a part of the class grade. Certifications offered at CHS include Servsafe Certifications and Workplace Readiness.

## **Culinary Arts II**

Course No. 82760 - 2 Credits (year-long course)

*Prerequisite: Culinary Arts I and \$25.00 fee Suggested Grade Levels: 10-12* Students will understand possible career paths and opportunities in culinary. Students will practice conducting themselves professionally, and develop people and organizational skills. Instruction includes commercial cooking, setting up and running commercial cooking operations, menu planning, menu evaluation, and standardization of recipes. Students will be introduced to regional and international cuisines. Additionally, students will understand principles of preparation of breads, pastries, baked desserts, candies, frozen confections, and sugar work. Scientific principles will be applied to all food preparation. Students will be required to work catering events as a part of the class grade. Students will be required to take an appropriate culinary certification test. Certifications offered at CHS include Servsafe Certifications and Workplace Readiness.

## **Culinary Arts III (Specialization)**

Course No. 82790 - 2 Credits (year-long course)

*Prerequisite: Culinary Arts II and a \$25.00 fee Suggested Grade Levels: 11-12* Culinary Arts III provides students with an opportunity to enhance their skills in planning menus, applying nutritional principles, implementing sanitation and safety standards, and exploring careers. Depending on the locality, students have the prospect of specializing in one of the following food-preparation techniques: Baking and Pastry, Catering/Banquet, Restaurant/Business, or Quantity Foods. Critical thinking, practical problem solving, and entrepreneurial opportunities within the field of culinary arts are emphasized. The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. Certifications offered at CHS include Servsafe Certifications and Workplace Readiness.

# Human Services

## **Cosmetology I**

Course No. 8527 - 2 Credits (year-long course)

Grade Level: 10 only

*Prerequisite:* Required kit \$155. A \$15.00 fee will be charged plus the cost of your kit.

Cosmetology I is a two credit course, which serves as a general introduction to the entry cosmetology curriculum, familiarizing the students with basic procedures which will, with practice, lead to the skills of the occupation. The rules of sanitation, sterilization, and safety, as well as good work habits and attitudes, are emphasized. Certifications offered at CHS include Workplace Readiness.

## **Cosmetology II**

Course No. 8528 - 2 Credits (year-long course)

Grade Level: 11 only

*Prerequisite:* Cosmetology I passed with at least a C. A \$15.00 fee will be charged for Skills USA

Cosmetology II is a four credit course, which is used to expand the basic knowledge and skills introduced in Cosmetology I. This course provides students with a general understanding and hands-on experience of salon services including hair cutting, hair styling, chemical texture services, hair color, manicures, pedicures, facials, and hair removal. This course provides students with an understanding of Virginia cosmetology regulations, skills required to operate a salon, essential employability skills, and human relations skills. All students will take the State Cosmetology Licensure Examination. Certifications offered at CHS include the State Board Exam.

## **Cosmetology III**

Course No. 8529 - 2 Credits (year-long course)

Grade Level: 12 only

*Prerequisite:* \$15.00 fee required. Must have passed Cosmetology II with a C and above and wish to sit for Licensure. A \$15.00 fee will be charged for Skills USA

Cosmetology III is a two credit course, which is used to expand the knowledge and skills used in Cosmetology II. This is an advanced course for students expecting to pursue a career in the field of Cosmetology. Students will prepare for work in a professional salon atmosphere and study business skills needed to succeed while preparing for the State Board licensing exam.

# Law, Public Safety, Corrections, & Security

## **Criminal Justice I**

Course No. 87020 - 1 Credit

*Suggested Grade Levels: 10-12*

Students are introduced to the legal foundations and processes, and the principles, techniques, and practices for exploring careers within the criminal justice system.

## **Criminal Justice II**

Course No. 87030 - 2 Weighted Credits

*Prerequisite: Criminal Justice I \$10.00 fee required*

Students learn the legal foundations and processes, the principles, techniques, and practices for exploring careers within the criminal justice system, and the history of terrorism in the United States. Students combine classroom instruction and supervised, practical experience throughout the year. Certifications offered at CHS include CPR/AED Basic Life Support, and NSA CyberSecurity certificate.

## **Emergency Medical Telecommunications**

Course No. 14055 - 1 Credit

*Grade Levels: 11-12*

*Prerequisites: Criminal Justice I*

Emergency Medical Telecommunications is designed to provide the beginning telecommunicator with an understanding of situations encountered in an emergency communications environment. The student will be able to summarize issues involving the telecommunicator's role and responsibilities as a member of the health and public safety environment. The student will also be able to summarize issues involving resources available to a telecommunicator, the importance of maintaining confidentiality, and liability and legal issues involving emergency telecommunicators and their agencies. The student will be able to describe the process of stress management, inside and outside a communications department/center. The student will develop the entry-level skills needed in a telecommunications environment for rescue, fire, and police. 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.

# Science, Technology, Engineering, & Mathematics (STEM)

## **Technical Drawing and Design**

Course No. 84350 - 1 Credit

*Suggested Grade Levels: 9-12 Required Fee: \$10*

In this foundation course, students learn the basic language of technical drawing and design. Students sketch and make technical drawings, models, or prototypes of real design problems. The course is especially recommended for future engineering and architecture students. Students use computer-aided drawing and design (CAD) equipment and established standards or codes to prepare models for presentation. Certifications offered at CHS include OSHA 10 Construction and Workplace Readiness.

## **Architectural Drawing/Design**

Course No. 84370

*Prerequisite: Must have passed Technical Drawing, OR request Technical Drawing as well*

Students will learn the principles of communicating architecture designs and increase their understanding of working drawings and construction techniques learned in Technical Drawing and Design.

## **Engineering Drawing and Design**

Course No. 84360 - 1 Credit

*Prerequisite: Technical Drawing/Design. Suggested Grade Levels: 10-12 Required Fee: \$10*

Engineering drawing is an advanced drafting class that emphasizes the use of drafting in engineering and manufacturing. Projects are of larger scale and greater complexity than in Basic Technical Drawing. This class will be useful for students planning a career in engineering or other career requiring extensive use of drafting. Completion of this course may prepare students for the Brainbench AutoCAD industry certification examination. Certifications offered at CHS include OSHA 10 Construction and Workplace Readiness.

## **Dual Enrollment Engineering Drawing/Design**

Course No. DE151- 1/2 Weighted Credit and 3 Germanna Community College Credits

*Prerequisite: Must meet Germanna qualifications; In the 2020-2021 school year.* Introduces technical drafting from the fundamentals through advanced drafting practices. Includes lettering, geometric construction, technical sketching, orthographic projection, sections, intersections, development, and fasteners. Teaches theory and application of dimensioning and tolerances, pictorial drawing, and preparation of drawings.

## **Dual Enrollment Architectural Drawing/Design**

Course No. DE201 - 1/2 Weighted Credit and 3 Germanna Community College Credits

*Prerequisite: C or better in DE Engineering Drawing/Design I, or "B" or better in Technical Drawing/Design, instructor permission, and must pass VPT.*

Teaches computer-aided drafting concepts and equipment designed to develop a general understanding of components of a typical CAD system and its operation.

# Transportation, Distribution, and Logistics

## **Automotive Technology I**

Course No. 85060 - 2 Credits

Suggested grade level: 10-12; Required Fee: \$10

In this course, students explore, handle, and perform basic functions in engine repair, automatic transmission and transaxle, manual drivetrain and axles, suspension and steering systems, and brakes. Students who successfully complete the Automotive Technology program may be eligible to take the Automotive Service Excellence (ASE) Student Certification examination. The ASE Student Certification is the first step in building a career as a service professional in the automotive industry. Automotive Technology I and II are closely aligned with the 2017 ASE Education Foundation automobile program standards for Maintenance and Light Repair (MLR). (cteresource.org)

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## **Automotive Technology II**

Course No. 85070 - 2 Weighted Credits

Suggested grade level: 11-12; Required Fee: \$10

Prerequisite: Grade of C or better in Automotive Technology I

In this course, students build upon their basic knowledge of automotive technology, exploring more advanced tasks in engine repair, automatic transmission and transaxle, manual drive train and axles, suspension and steering systems, and brakes. They also learn about electrical, electronic, and HVAC systems in automobiles. Upon successful completion of the course, students may be eligible to take the Automotive Service Excellence (ASE) Student Certification examination. Automotive Technology I and II are closely aligned with the 2017 ASE Education Foundation automobile program standards for Maintenance and Light Repair (MLR). (cteresource.org)

(cteresource.org)

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## **Automotive Technology III**

Course No. 85080 - 2 Weighted Credits

Suggested grade level: 12; Required Fee: \$10

Prerequisite: Grade of C or better in Automotive Technology II

This course prepares students to perform automotive diagnosis and repairs in the following areas: engine repair, cooling systems, transmission and transaxle, manual drive trains and axles, suspension and steering, wheel and tire, brakes, electrical/electronic systems, HVAC, and engine performance. Students are provided with more advanced instruction in all systems as they prepare for the Automotive Service Excellence (ASE) certification examinations. The Automotive Technology program provides the fundamental skills necessary to succeed in an ever-changing and challenging industry as an automotive technician. This course is closely aligned with the ASE Education Foundation (formerly NATEF)'s 2017 standard for Automobile Service Technology (AST). (cteresource.org)

ASE Accredited Training Provider

# Fine & Performing Arts

## Fine Arts

### Art I

Course No. 91200 - 1 Credit A \$25 fee is required.

This course introduces beginning art concepts, an overview of art history, and two and three-dimensional art forms. The student keeps a sketchbook for weekly homework assignments. The student and teacher will be able to decide if art is a viable option for future studies.

### Art II

Course No. 91300 - 1 Credit

*Prerequisite: Grade of "C" or higher in Art I A \$25 fee is required.*

This is a year course with emphasis on the refinement of two and three dimensional art forms, crafts, sculpture skills, and techniques. A variety of materials and approaches are explored through the study of art history as well as direct experience. The student keeps a sketchbook for weekly homework assignments and begins to develop a portfolio for possible college or AP applications.

### Art III: Fundamentals of Design

Course No. 91400 - 1 Credit

*Prerequisites: Grade of "C" or higher in Art II. A \$25 fee is required.*

This course is for the mature and serious art student. The student is introduced to complicated design experiences and sophisticated media. The student will explore possible vocations in art. The student keeps a sketchbook for weekly homework assignments and begins to develop a portfolio for possible college or AP applications.

### Art IV

Course No. 91450 - 1 Credit

*Prerequisites: Grade of "C" or higher in Art III. A \$25 fee is required.*

This course is for the mature and serious art student. The student is introduced to more complicated design experiences and sophisticated media. The student will work independently and have a strong desire to continue his/her education in art at the college level. The student will explore possible vocations in art. The student keeps a sketchbook for nightly homework assignments and begins to develop a portfolio for possible college or AP applications.

### Crafts I

Course No. 91600 - 1 Credit

*Prerequisites: 10th grade or higher; Grade of "C" or higher in Art I; A \$30 fee is required.* This course will be an introduction into 3-dimensional art. The students will learn the basics in ceramics (hand-building and wheel throwing), mosaics, stained glass, jewelry, fibers, plaster, and mixed media. The students will gain knowledge of art history and art techniques specifically related to 3-dimensional art.

### Crafts II

Course No. 91610 - 1 Credit

*Prerequisite: Crafts I. A \$30 fee is required.*

This course will be a continuation of Crafts I.

## **Introduction to Graphic Arts**

Course No. 91800 - 1 Credit

*Prerequisites: A \$15 fee is required.*

This course provides a working introduction to computer-based electronic technology used by visual artists and designers. It presents basics in the principles of art and design using standard industry software. Design challenges will allow students to explore their creative potential using electronic media.

## **Computer Art Graphics II**

Course No. 91810 - 1 Credit

*Prerequisites: Grade of "C" or higher in Introduction to Computer Art Graphics I. A \$15 fee is required.*

This course is focused on developing student skills in current methods of producing digital graphics and animation. The student is introduced to more in-depth processes using a larger array of professional industry programs. The students will gain knowledge of graphic design principles, typography, digital illustration, and current challenges digital designers face in the field.

## **Photography I**

Course No. 91930 - 1 Credit

*Prerequisite: 10th grade or higher. A \$30 fee and a 35-mm camera are required.* No previous experience is necessary in black and white photography and darkroom techniques. The course is designed to acquaint students with various methods of photography in order to produce creative and expressive compositions. Students will understand exposure, the 35-mm camera, and black and white darkroom processes and film development. Photographic careers and history will be emphasized.

## **Photography II**

Course No. 91940 - 1 Credit

*Prerequisite: Photography I. A \$30 fee and a 35-mm camera are required.* This course is designed as the second year in a sequentially developed photography curriculum. Students will develop skills and demonstrate learning in 35-mm and medium format camera use and b/w film and print processing; photojournalism and documentation; digital photography and computer print processes; Photoshop applications, career studies; studio lighting, alternative print processes and exhibitions.

## **AP 2-D Art & Design**

Course No 05174 - 1 Weighted Credit

*Prerequisite: Art II, Photography II, or Crafts I. A \$30 fee.*

In AP 2-D Art and Design, students use the skills learned in the course, and students' ideas, to create unique works of art. Throughout the course, students develop an inquiry that guides artmaking through practice, experimentation, and revision of materials, processes, and ideas while demonstrating 2-D art and design skills through graphic design, sequential art, photography, collage, printmaking, illustration, industrial design, animation, game design, painting, fibers, and others.

### **AP Drawing**

Course No 05172 - 1 Weighted Credit

*Prerequisite: Art II A \$30 fee.*

In AP Drawing, students use the skills learned in the course, and students' own ideas, to create unique works of art. Throughout the course, students develop an inquiry that guides artmaking through practice, experimentation, and revision of materials, processes, and ideas while demonstrating drawing skills through painting, drawing, sequential art, printmaking, illustration, animation, fibers, and others.

### **AP 3-D Art & Design**

Course No 05175 - 1 Weighted Credit

*Prerequisite: Crafts I. A \$30 fee.*

In AP 3-D Art and Design, students use the skills learned in the course, and students' own ideas, to create unique works of art. Throughout the course, students develop an inquiry that guides artmaking through practice, experimentation, and revision of materials, processes, and ideas while demonstrating 3-D art and design skills through sculpture, architecture, jewelry, fashion and apparel design, bookmaking, game design, interior design, fibers, and others.

### **Concert Band**

Course No. 92330 - 1 Credit

*\$25.00 Fee required.*

The Concert Band is an entry level ensemble for all students wanting to pursue band in high school. Students will learn the fundamentals of reading and interpreting music, fundamental skills of their specific instrument, and how to be a member of an ensemble during performances and concerts. Students in this course are required to attend all after school concerts and rehearsals, as each concert serves as a summative grade for students.

### **Chamber Ensemble**

Course No. 92340 - 1 Credit

*\$25.00 Fee required.*

This course is designed to provide the student musician with an appreciation of various styles of music from different cultures. Good musicianship and a professional attitude toward music are stressed. Students are required to attend all concerts and competitive performances as well as scheduled after-school rehearsals. All performances and rehearsals will be graded.

### **Jazz Ensemble**

Course No.5106 - 1 Credit

Jazz Ensemble specializes in big band, jazz, and pop music. The ensemble plays many times throughout the year for various civic organizations and in public concerts. Students must also participate in an additional musical ensemble. A background in music theory and a high degree of musicianship are preferred.

### **String Orchestra**

Course No. 92380 - 1 Credit

*\$25.00 Fee required.*

The String Orchestra is an entry level ensemble for all students wanting to pursue orchestra in high school. Students will learn the fundamentals of reading and interpreting music, fundamental skills of their specific instrument, and how to be a member of an ensemble during performances and concerts. Students in this course are required to attend all after school concerts and rehearsals, as each concert serves as a summative grade for students.

### **Concert Chorus**

Course No. 92850 - 1 Credit One unit of credit is earned each semester course is taken. *\$15.00*

*Fee required*

Concert Chorus is our entry level course for those wishing to perform in choir during high school. Students in this course will learn the basics of vocal technique and health, the fundamentals of reading and interpreting music, and how to be a member of an ensemble during performances and concerts. Students in this course are required to attend all after school concerts and rehearsals, as each concert serves as a summative grade for students.

### **Women's Choir**

Course 92890, 1 Credit One unit of credit is earned each semester course is taken. Required Fee: \$15

Vocal ensemble is a performance based class. Emphasis is placed on vocal techniques, ear training, and note learning. Choral balance, diction and phrasing are considered in all work. Choral students are introduced to various styles of chorus music written for the smaller, more select choral ensemble. Movement in music is integrated into the curriculum at this level. Students are required to attend all concerts and competitive performances as well as after-school rehearsals. Grades are awarded on the basis of class and concert performance.

### **Theater Arts I**

Course No. 14100 - 1 Credit

Required Fee: \$10

In the beginning course of theater, students are introduced to an overview of drama. Basic acting and stage terms are incorporated through a series of activities and simple presentations. The students will identify responsibilities involved in a variety of dramatic presentations. They will perform skits, short plays, monologues, experience acting exercises and improvisation. Students will read representative plays from historical periods.

### **Theater Arts II**

Course No. 14200 - 1 Credit

*Prerequisites: C or better in Theater Arts I, Students must be eligible to compete in the VHSL competition.*

Required Fee: \$10

The student will be involved in acting in class productions and will be taught the basic aspects of producing a play. They will learn to analyze character, script, and direction through performance of scenes. Theater history, set construction, & other techniques in relation to acting will be included. Students will be given an opportunity to take an active part in school productions.

**Theater Arts III**

Course No. 14300 - 1 Credit

*Prerequisites: C or better in Theater Arts II, Students must be eligible to compete in the VHSL competition*

Required Fee: \$10

Students will explore theater history and dramatic literature from Greek theater through present musical theater. They will be involved in producing a one-act play and help with the school productions. They will develop skills in set construction.

**Theater Arts IV: Advanced**

Course No. 14400 - 1 Credit

*Prerequisites: C or better in Theater Arts III*

Required Fee: \$10

This course continues the activities of Theater Arts III. Emphasis includes monologues, performance of scenes, directing, production design, in-depth analysis of scripts and script writing. Students will enhance their skills by participating in a variety of theater productions in the class. Live performances will be given when possible. Students will also work with the school productions.

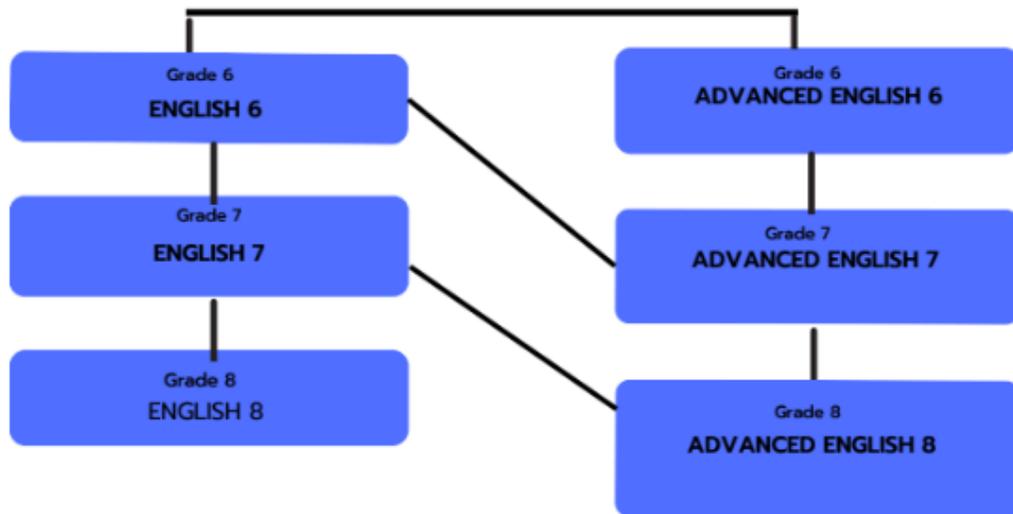
# Caroline Middle School Courses

*Course offerings are contingent upon sufficient student enrollment and adequate staff availability and therefore may not be offered annually.*

## CCPS English Language Arts Pathways

All students are required to take an English course each year.

### CAROLINE MIDDLE SCHOOL



### **ENGLISH 6**

Course No. 1109 - 36 weeks course

English 6 requires active participation and collaboration in classroom work and discussions. Students will begin the study of word origins and continue vocabulary development. Reading comprehension will be emphasized by the comparison of fiction and nonfiction texts. In fiction texts, students will identify elements of narrative structure including theme and analyze figurative language. With nonfiction texts, students will summarize and draw inferences using textual evidence. Students will plan, draft, revise, and edit writing in a variety of forms with an emphasis on narrative and reflective writing. Students will be introduced to writing thesis statements in multi paragraph writing. They will be expected to write with elaboration, unity, and have control of sentence formation, usage, and mechanics. Research skills will include locating, evaluating, and selecting appropriate resources for presentations and research products.

### **ADVANCED ENGLISH 6**

Course No. 1109A - 36 weeks course

Advanced English 6 is designed for the student who is motivated to work at an accelerated pace with assignments beyond the average level. This course uses an expanded literature-based curriculum that integrates reading, writing, oral communication, and research. Students are accountable for using grammar, spelling, and vocabulary correctly in all forms of communication on an analytical level.

## **ENGLISH 7**

Course No. 1110 - 36 weeks course

English 7 requires active participation and collaboration in classroom work and discussions. The study of word origins and roots will continue with connotations. There will be continued emphasis on reading comprehension through comparing fiction and nonfiction texts. In fiction texts, students will identify elements of a variety of genres, with a focus on authors' styles. For nonfiction texts, students will identify the source, point-of-view, and purpose of the texts. In addition, they will concentrate on the areas of composing, written expression, and usage/mechanics in developing narrative, expository and persuasive writings, with a focus on expository and persuasive pieces. Students will study media message techniques and apply research techniques to gather, organize and communicate information.

## **ADVANCED ENGLISH 7**

Course No. 1110A - 36 weeks course

In their writing, students will emphasize audience and purpose; develop their own personal styles; and incorporate complexity, depth, and creativity. Through the study of literature, students will explore universal themes, the interconnection of ideas, and many points of view. Also, the appreciation, interpretation, and modeling of literary techniques will promote the development of students' understanding and production of new ideas. These new ideas will be supplemented with the process of research that incorporates organizational, analytical, and critical thinking skills as well as the investigation and evaluation of ideas and source materials. Students are expected to exercise independent and complex thinking, reading, writing, and learning skills through self-initiated and teacher-directed areas of study.

## **ENGLISH 8**

Course No. 1120 - 36 weeks course

English 8 requires active participation and collaboration in classroom work and discussions. The study of word origins, roots, connotations, and denotations will continue. Reading comprehension will be emphasized through the comparison of fiction and nonfiction texts. In fiction texts, students will focus on the development of themes and compare/contrast authors' styles. Nonfiction reading will increase, and students will analyze authors' qualifications, point-of-view, and style. Students will plan, draft, revise, and edit writing in a variety of forms with an emphasis on expository and persuasive writing. Students will write persuasively, using claims, evidence, and counterclaims to support a position to fit the audience and purpose. Students will be expected to have even greater control of the conventions of writing. Research and presentation techniques will also be an area of focus.

## **ADVANCED ENGLISH 8**

Course No. 1120A - 36 weeks course

Advanced English 8 emphasizes skill development in writing, vocabulary, oral communication, literature, and critical thinking. In addition to application of the writing process, students will be actively involved in the selection, planning, organization, refinement, and evaluation of various forms of written and oral expression. Students will direct writing toward specific audiences and purposes. To enhance clarity of communication, students will manipulate word choice and sentence structure, and employ correct structure. Also, students will be exposed to a broad range of editing and revision strategies. Students will develop a vocabulary, which reflects a more complex and sophisticated thinking. Students will analyze various literary genres to identify theme and literary elements, recognize character motivation, discern the author's purpose and style, articulate possible universal concepts, and effectively present a synthesized critical response.

## **READING WORKSHOP**

Course No. 1180\_6/7/8 - course length varies

Reading Workshop is an assigned elective class during the school day where students can receive extra assistance in reading, writing, and grammar. Selected students have the unique opportunity to improve their literacy skills in targeted, systematic, data-driven small groups outside of the exceptional education setting.

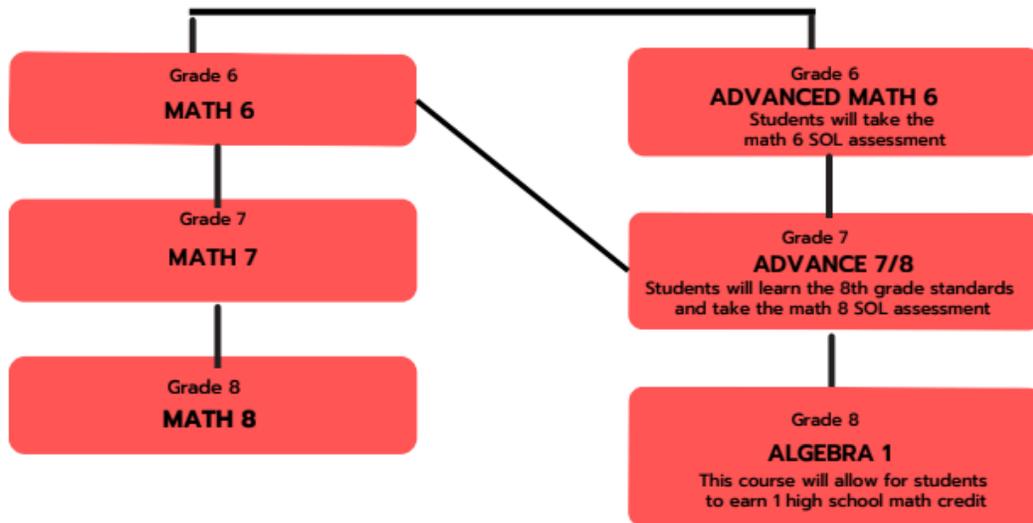
Students are selected for the workshop based on data from SOLs and other school assessments that provide reading levels and other data that allow for individualized skills-based instruction. The class uses students' individual growth and achievement as the grading scale, with the hope that students progress to reading closer to their grade level in 18 weeks. Some students may need an additional semester to show growth and mastery. Students may also ask to stay enrolled and may do so if they still fit the selection criteria.

The main goals of the Reading Workshop are: to build students' literacy skills, create confident students, give students a sense of independence and ownership of their learning, and help students foster a love of reading.

# CCPS Mathematics Pathways

All students are required to take a math course each year.

## CAROLINE MIDDLE SCHOOL



### **MATHEMATICS 6**

Course No. 3110 - 36 weeks course

The sixth-grade standards are a transition from the emphasis placed on whole number arithmetic in the elementary grades to foundations of algebra. The standards emphasize rational numbers. Students will use ratios to compare data sets; recognize decimals, fractions, and percents as ratios, use a variety of concrete, pictorial, and abstract representations to develop proportional reasoning skills, solve single-step and multi step problems, using rational numbers; and gain a foundation in the understanding of integers. Students will solve linear equations and use algebraic terminology. Students will solve problems involving area and perimeter and work with  $\pi$  ( $\pi$ ). In addition, students will focus on applications of statistics.

### **ADVANCED MATHEMATICS 6**

Course No. 3110A - 36 weeks course

This course is designed for students who are motivated to work at an accelerated pace and have demonstrated a strong background in mathematics. The Grade 6 course provides a transition from the emphasis placed on whole number arithmetic in the elementary grades to an introduction to algebraic thinking. The Standards include a focus on single-step and multistep problems involving operations with integers and positive rational numbers. Students will determine equivalency, compare, and order decimals, fractions, and percents. Students will solve problems involving area and perimeter and begin to graph in a coordinate plane. In addition, students will continue using the data cycle by applying it to circle graphs and develop concepts regarding measures of center. Students will solve linear equations in one variable, write inequality statements, and use algebraic terminology. Students will use ratios to compare two quantities and represent proportional relationships as a precursor to the development of the concept of linear functions.

## **MATHEMATICS 7**

Course No. 3111 - 36 weeks course

The Grade 7 course continues to emphasize the foundations of Algebra. The Standards address the representation and comparison of rational numbers using exponents, scientific notation, and square roots. Students continue to develop proficiency in operations with rational numbers and solving problems in context by expanding their study from Grade 6. Students will build on the concept of ratios to solve problems involving proportional reasoning, which is emphasized throughout the Grade 7 Standards. Students will solve problems involving volume and surface area and focus on the relationships among the properties of quadrilaterals. In addition, students will continue to apply the data cycle and extend the application to histograms. Probability is investigated through comparing experimental results to theoretical expectations. Students continue to develop their understanding of solving linear equations and inequalities in one variable by applying the properties of real numbers. Students investigate proportional relationships and begin to develop a concept of slope as rate of change.

## **ADVANCED MATHEMATICS 7/8**

Course No. 3112A

This course will challenge students motivated to work at an accelerated pace and to prepare them for the study of Algebra I in Grade 8. Students in this course will learn the Grade 8 Mathematics standards. At the end of this course students will take the Grade 8 Math SOL. Students who have strong data from previous state testing and coursework are eligible for this accelerated course.

## **MATHEMATICS 8**

Course No. 3112 - 36 weeks course

The Grade 8 Standards continue to build on the concepts needed for success in high school level Algebra, Geometry, and Statistics. Students will explore real numbers and the subsets of the real number system. Proportional reasoning is expounded upon as students solve a variety of problems. Students find the volume and surface area of more complex three-dimensional figures and apply transformations to geometric shapes in the coordinate plane. Students will verify and apply the Pythagorean Theorem creating a foundation for further study of triangular relationships in Geometry. Students will represent data, both univariate and bivariate, and continue to apply the data cycle and extend the application to boxplots and scatterplots. Students build upon the algebraic concepts developed in the Grade 6 and 7 Standards, which include simplifying algebraic expressions, solving multistep linear equations and inequalities in one variable, and graphing linear functions. The Grade 8 Standards are vital to providing a solid foundation in Algebra 1.

## **ALGEBRA I**

Course No. 3130 36 weeks course - 1 High School Credit

*Prerequisite: Successful completion of Advanced Math 7/8*

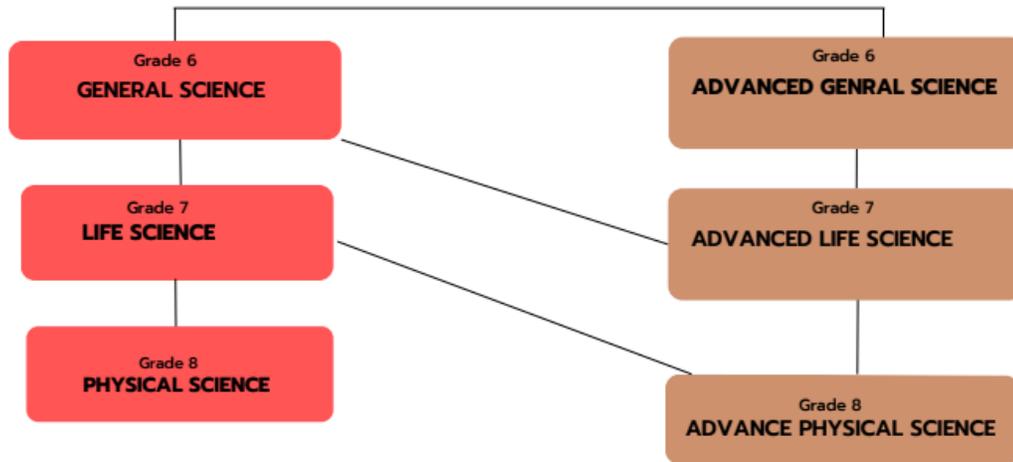
This course requires students to use algebra as a tool for representing and solving a variety of contextual problems. Tables and graphs will be used to interpret algebraic expressions, equations, and inequalities and to analyze behaviors of functions. Students will earn a credit for graduation upon completion of the course and a verified credit upon passing the Algebra I End of Course Test.



# CCPS Science Pathways

All students have the opportunity to flex between these pathways based on performance interest and recommendation

## CAROLINE MIDDLE SCHOOL



### SCIENCE 6

Course No. 4105 - 36 weeks course

Science 6 is an introductory science class. Students are given a broad view of earth science, life science, and physical science. Topics taught are watershed processes, electricity and magnetism, and the solar system. The scientific method is utilized to process skills as a basis for solving problems, answering questions, and demonstrating laboratory safety. Laboratory experiences are included in instructional time.

### ADVANCED SCIENCE 6

Course No. 4105 A See Course #4105 above for additional course content. 36 weeks course

This course is a rigorous, activity based course where students will be responsible for using experimental design to conduct scientific investigations independently and collaboratively.

### SCIENCE 7 – LIFE SCIENCE

Course No. 4115 - 36 weeks course

Life Science introduces students to the living world, stressing the nature of living things and how they grow, adapt, and survive in a competitive environment.

### ADVANCED LIFE SCIENCE 7

Course No. 4115A - 36 week course

This course is a rigorous, activity based course where students will be responsible for using experimental design to conduct scientific investigations independently and collaboratively.

### **SCIENCE 8 – PHYSICAL SCIENCE**

Course No. 4125 - 36 weeks course

Knowledge and skills are developed through the exploration of fundamental physics and chemistry. The structure of matter and its relationship to energy, and the forms of energy and the ways they are used are investigated. Emphasis is placed on “hands-on” laboratory experiences and the presentation of concepts and theories. Students will take the Science 8 Standards of Learning Test upon completion of this course.

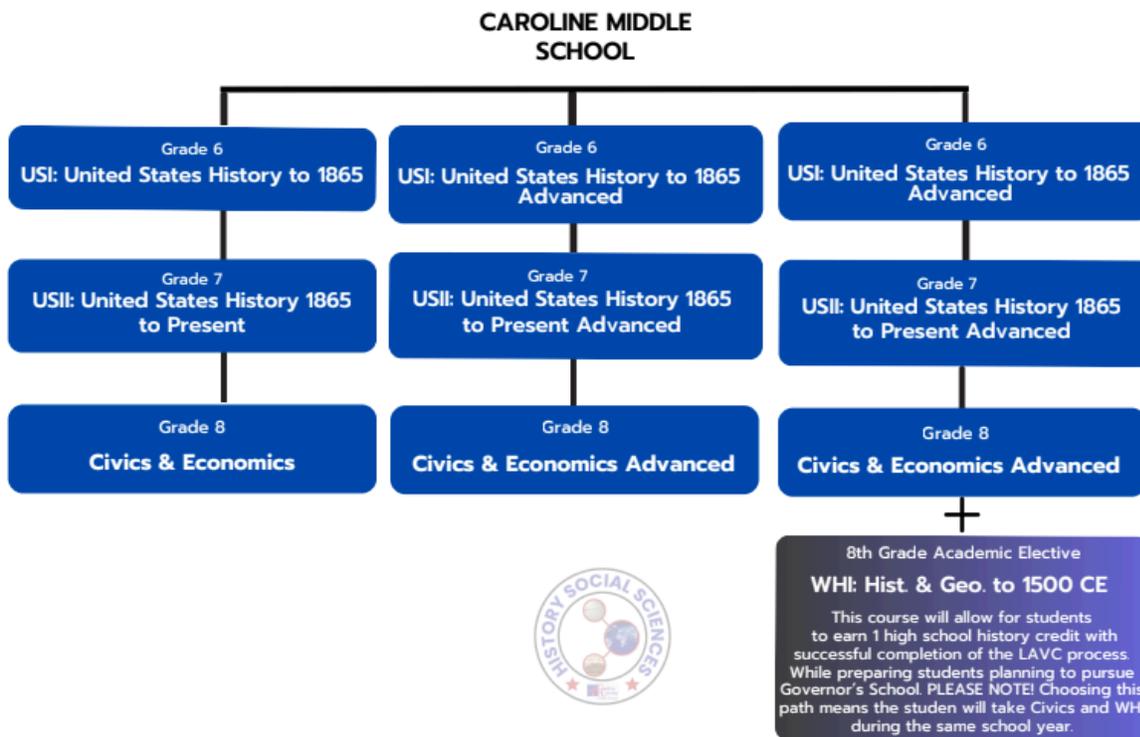
### **SCIENCE 8 – ADVANCED PHYSICAL SCIENCE**

Course No. 4125A - 36 weeks course

This course is a rigorous, activity based course where students will be responsible for using experimental design to conduct scientific investigations independently and collaboratively.

# CCPS History Social Science Pathways

All students are required to take a history social science course each year.



## UNITED STATES HISTORY TO 1865 (US I)

Course No. 2353 - 36 weeks course

This course of study follows the history of the United States from pre-Columbian times until 1865. Students will continue to learn fundamental concepts in civics, economics, and geography as they study United States history in chronological sequence and learn about change and continuity in our history. They will also study documents and speeches that laid the foundation of American ideals and institutions and will examine the everyday life of people at different times in the country's history through primary and secondary sources.

## ADVANCED UNITED STATES HISTORY TO 1865 (US I)

Course No. 2353A - 36 weeks course

Rooted in historical literacy and inquiry, students will be responsible for and expected to question, argue, and interpret history through evidence. This course of study follows the history of the United States from pre-Columbian times until 1865. Students will continue to learn fundamental concepts in civics, economics, and geography as they study United States history in chronological sequence and learn about change and continuity in our history. They will also study documents and speeches that laid the foundation of American ideals and institutions and will examine the everyday life of people at different times in the country's history through primary and secondary sources.

## **UNITED STATES HISTORY 1865 TO PRESENT (US II)**

Course No. 2354 - 36 weeks course

Students will continue to use skills for historical and geographical analysis as they examine American history since 1865. The standards for this course relate to the history of the United States from the Reconstruction era to the present. Students should continue to develop and build upon the fundamental concepts and skills in civics, economics, and geography within the context of United States history. Students will use investigation as a foundation to delve into the political, economic, and social challenges facing the nation once reunited after the Civil War. This foundation provides a pathway to develop an understanding of how the American experience shaped the world's political and economic landscapes.

## **ADVANCED UNITED STATES HISTORY 1877 TO PRESENT (US II)**

**Course No. 2355A** - 36 weeks course

This course is designed for the student who is motivated to work at an accelerated pace with assignments above the average level. Having previously studied the pre-revolutionary period through Reconstruction, students will engage in an in-depth study of the United States, incorporating themes from Reconstruction to the present. This study will include the historical and cultural development of the United States, as well as the governmental, geographic, economic, social, and current issues facing our nation. The concepts of change, conflict, diversity, economics, and citizenship will be woven into the study. Critical thinking, communication, geographic, and study skills will be an integral part of this study.

## **CIVICS AND ECONOMICS**

Course No. 2357 - 36 weeks course

Civics and Economics examines the roles citizens play in the political, governmental, and economic systems in the United States, students examine the constitutions of Virginia and the United States; identify the rights, duties, and responsibilities of citizens; and describe the structure and operation of government at the local, state, and national levels. They investigate the process by which decisions are made in the American market economy and explain the government's role in it. Students will identify personal character traits, such as patriotism, respect for the law, and a sense of civic duty, and how those characteristics relate to participation in the civic life of an increasingly diverse democratic society. Students will take the Civics and Economics Standards of Learning Test upon completion of this course.

## **ADVANCED CIVICS AND ECONOMICS**

Course No. 2357A - 36 weeks course

This course is designed for the student who is motivated to work at an accelerated pace with assignments above the average level. Civics and Economics examines the roles citizens play in the political, governmental, and economic systems in the United States, students examine the constitutions of Virginia and the United States; identify the rights, duties, and responsibilities of citizens; and describe the structure and operation of government at the local, state, and national levels. They investigate the process by which decisions are made in the American market economy and explain the government's role in it. Students will identify personal character traits, such as patriotism, respect for the law, and a sense of civic duty, and how those characteristics relate to participation in the civic life of an increasingly diverse democratic society. Students will take the Civics and Economics Standards of Learning Test upon completion of this course.

## **WORLD HISTORY & GEOGRAPHY to 1500**

Course No. 23410 - 36 weeks course - 1 Credit Towards High School Graduation Requirements

Students will explore the historical development of people, places, and patterns of life from ancient times until 1500 A.D. (C.E.) in terms of the impact on Western civilization. Historical understanding in this course requires students to engage in historical thinking, raise questions, and marshal evidence in support of their answers. Students engaged in historical thinking draw upon chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and decision making.

## **Health and PE**

### **HEALTH AND PHYSICAL EDUCATION (GRADES 6 – 8)**

Course Nos. 7110 (Grade 6), 7120 (Grade 7), 7200 (Grade 8)

Students will experience a developmentally designed program of skill and fitness. Emphasis is placed on students learning basic skills and acquiring competence and confidence necessary to participate in and enjoy physical activity. Students are provided with learning experiences that help them acquire current health information and practice essential skills for making healthy decisions.

## **Career and Technical Education**

### **Career Investigation : Required 6th Grade Elective**

Course No. 19258 - Semester course

Career Investigations is designed to help students prepare for careers and continuing education in a challenging and rapidly changing workplace. This service area provides connecting links for students in pursuit of career development and related career information resources. Connecting links include pathways, program models, or processes that lead to, or point the way to, career goals. The total concept of Career Connections includes the components of career information resources, career development, and career connecting links. This course helps CCPS to meet Career Investigations requirements.

## **Agricultural Education**

### **AGRICULTURE 6 ~ Introduction to Agriculture**

Course No. 8009 - Semester course

Through project-based learning, technical skill development, and academic enrichment activities, students will explore the importance of plant and animal agriculture, scientific principles, workplace readiness and safety, career opportunities related to agribusiness, agriculture, and agriscience and the benefits of FFA membership.

### **AGRICULTURE 7 ~ Agriculture Exploration**

Course No. 8005 - Semester course

Students explore science as it relates to agriculture and develop an understanding of human relations, communication, the importance of agriculture to the economy, leadership through the FFA Organization, and key scientific terms related to the field of agriculture.

### **AGRICULTURE 8 ~ Agriscience & Technology**

Course No. 8001 - Semester course

Through classroom instruction and laboratory activities, students apply scientific principles to the fields of agriculture, food, and natural resources (AFNR), to include: global agriculture, new emerging technologies, careers in agribusiness, animal systems, environmental services, natural resource systems, food products, and processing, and agriculture mechanics.

## **Technology Education**

### **TECHNOLOGY/STEM EDUCATION 6**

Course No. 8481-6 Semester course

Students will study the basic elements of all technology including the basic system model as well as the design processes. students learn that resources are the underlying theme of all areas of technology. Design process, the inherent process, and products. Basic hand-tool identification and use will be taught though STEM concepts (Science, Technology, Engineering, and Math). The course is designed to be 1/3 classroom instruction and 2/3 hands-on activities.

### **TECHNOLOGY/STEM EDUCATION 7**

Course No. 8481-7 - Semester course

Students will replicate models of significant past inventions that have advanced society. After studying these developments, students will explore current technological problems and issues they face on a local and global level. Students study and apply systematic procedures to invent new products and processes as well as improve existing products and processes. Basic hand-tool identification and use will also be taught through STEM concepts (Science, Technology, Engineering, and Math). The course is designed to be 1/3 direction instruction and 2/3 hands-on activities.

### **TECHNOLOGY/STEM EDUCATION 8: Technological Systems**

Course No. 8463 - Semester course

Technological systems emphasize simulating various technology systems, assessing its impacts, and relating these discoveries to real world problems. Students can acquire a global view of technology. They also use basic hand and power tools to complete these activities. The course is designed to be 50% direct instruction and 50% hands-on activities.

# Business and Information Technology

## **EDUCATION KEYBOARDING I (Grades 6)**

Course No. 6150 - Semester course

The goal of Exploring Keyboarding is intended for students who want to improve their keyboarding skills or have no previous keyboarding experience. This course introduces keyboard-operating techniques, the touch system, speed, and accuracy. Students will develop basic skills in touch typing and learn proper use and care of equipment and materials. Major emphasis will be placed on keyboarding technique and timed keyboarding drills; as well as organization and following oral and written directions. These skills will help students obtain proficient use of the keyboard that will assist them in school, at home, and in the future. Students compose and produce personal, educational, and professional documents.

## **KEYBOARDING II (Grades 7)**

Course No. 6151 - Semester course

The goal of Keyboarding is intended for students who want to learn basic alphabetic and numeric keyboarding skills by touch and the numeric keypad by touch. Students will develop basic skills in touch typing and learn proper use and care of equipment and materials. Major emphasis will be placed on keyboarding technique and timed keyboarding drills; as well as organization and following oral and written directions. General computer literacy will be covered. Students compose and produce personal, educational, and professional documents. Students develop word processing skills using a variety of software functions, including graphics, desktop publishing, and telecommunications. Students gain competence integrating other applications such as databases and spreadsheets into word processing activities. These skills will help students obtain proficient use of the keyboard that will assist them in school, at home, and in the future.

## **DIGITAL APPLICATIONS (GRADES 7 & 8)**

Course No. 6617 - Semester course

*\*\*Recommended prerequisite(s): Keyboarding I or II*

The goal of Digital Applications is for students to develop and/or review correct keyboarding techniques. It is a course designed to teach students how to use the computer as a business and personal tool through the use of applications software. Instruction in software concepts using the Microsoft Office Suite will include word processing, spreadsheet, database, graphics, and presentation applications. Students learn to use local and worldwide network communications systems. Grade 8 Computer/Technology Standards of Learning are incorporated and reinforced in this course.

## **MAKE IT YOUR BUSINESS**

Course No. 8114 - Semester Course

Prerequisite(s): For students who have taken Keyboarding I and II and Digital Applications  
Students design, establish, and operate a small group or class business, producing a service or product that meets an identified school or community need. Emphasis is placed on the introduction and application of business technology, basic entrepreneurship concepts, and fundamental business principles. Basic academic skills (Mathematics, Science, English and History/Social Science) are integrated into this course.

# Family and Consumer Science

## **FAMILY AND CONSUMER SCIENCES EXPLORATORY I (GRADE 6)**

Course No. 8206 - Semester course

Family and Consumer Sciences Exploratory I provides a foundation for managing individual, family, career, and community roles and responsibilities. In FACS Exploratory I, students focus on areas of individual growth such as personal goal achievement, responsibilities within the family, and accountability for personal safety and health. They also explore and practice financial management, clothing maintenance, food preparation, positive and caring relationships with others, and self-assessment as related to career exploration. Students apply problem-solving and leadership skills as they progress through the course. Mathematics, science, English, social sciences, fine arts, and technology are integrated throughout the course.

## **FAMILY AND CONSUMER SCIENCES EXPLORATORY II (GRADE 7)**

Course No. 8261 - Semester course

Family and Consumer Sciences Exploratory II is one of the middle school courses that provides a foundation for managing individual, family, work, and community roles and responsibilities. In FACS Exploratory II, students focus on their individual development as well as their relationships and roles within the family unit. They learn how to maintain their living and personal environments and to use nutrition and wellness practices. Students also apply consumer and family resources, develop textile, fashion, and apparel concepts, and explore careers related to Family and Consumer Sciences. Time is also provided for developing early childhood education concepts and leadership skills.

## **INDEPENDENT LIVING (GRADE 8)**

Course No. 8214 - Semester course

This course allows students to explore successful strategies for living independently by actively participating in practical problem solving focusing on: relating to others (relationships); applying financial literacy; managing resources in the areas of apparel, nutrition and wellness, and housing; using leadership skills to reach individual goals; planning for careers; and making consumer choices in a global environment. The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year

# Government and Public Administration

## Army JROTC I - 8th Grade Only

Course No. 79130 - 1 High School Credit

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

This program is designed to teach high school students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment, while instilling in students' self-esteem, teamwork, and self-discipline. Its focus is reflected in its mission statement: "To motivate young people to be better citizens." It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. The program is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that will benefit the student, community, and nation. Completion of three years of JROTC and a qualifying score on the ASVAB will qualify students to enlist in the Armed Forces at a higher rank and pay grade.

Enrollment requirements:

- Must be willing to wear the Army JROTC uniform once a week.
- Must be willing to meet military grooming standards to include: hair, piercings, cosmetics, and jewelry.
- Must maintain an acceptable standard of conduct and be of good moral character. • Must maintain an acceptable standard of academic achievement.
- Must be physically fit.
- Selection made by the instructors, administrators, and/or director of school counseling.

# Fine & Performing Arts

## ART EDUCATION

### ART EXPLORATION 6

Course No. 9103 - Semester course

This is an exploratory class designed to give students a broad overview of art materials and techniques as well as providing exposure to artists both past and present. Emphasis is placed on the elements of design (such as color, line, and shape), personal expression, and building techniques in drawing, painting, printmaking, ceramics, and collage.

### ART EXPLORATION 7

Course No. 9105 - Semester course

This elective class is designed to foster within students an understanding and appreciation of the elements and principles of design as they relate to the creative process and life. Emphasis is placed on multicultural art and the design aesthetic of cultures throughout the world. Students in this course will be furthering techniques in drawing, painting, sculpture, ceramics, and mixed media.

### ART EXPLORATION 8

Course No. 9115 - Semester course

This course is designed for serious art students looking to further develop skills in the areas of two and three dimensional design. Exposure to contemporary art and artists as well as possible career avenues in art will be emphasized. Students will continue techniques in drawing, painting, ceramics, sculpture, printmaking, graphics, and mixed media. Students will also be responsible for maintaining a sketchbook cataloging their individual expression, ideas, and techniques.

## MUSIC EDUCATION

### MUSIC APPRECIATION

Course No. 05116 - 18 week course

Music Appreciation is divided into several areas designed to introduce students to various components and styles of music. The areas include instruments of the orchestra, the rudiments of music, and an overview of music history and cultural context. Throughout the course, students will participate in a variety of hands-on experiences that are designed to enhance their understanding of these areas. By the end of the course students will have had the opportunity to learn and develop skills that will assist them in enjoying music.

### BEGINNING BAND 6 & 7

Course No. 9232 - 36 week course

This course is designed for students wishing to learn how to play a musical instrument. Students will be working throughout the year in a beginning band method book. They will be taught the basic playing techniques of their instruments as well as music theory. The Beginning Band students will be expected to perform two (2) public concerts throughout the year.

### **INTERMEDIATE BAND 7**

Course No. 9233 - 36 week course

The emphasis of this course is on skill development. Students will be taught basic musical terms, scales, sight-reading, and more advanced playing techniques. Musical literature includes both classical and contemporary selections. Some public performances are scheduled throughout the year.

### **ADVANCED BAND 8**

Course No. 9234 -36 week course

Students continue development of their musical abilities through greater emphasis on stylistic interpretation and phrasing techniques. Students will learn the basic techniques of marching band, music auditions, and performing on a competitive level. This class is a performance-based class. Several public performances are scheduled throughout the year.

### **BEGINNING ORCHESTRA**

Course No. 9237 - 36 week course

In this year-long class, students will learn the basics of playing violin, viola, cello, or string bass. Students will learn basic care, storage, parts of string instruments, how to read and write music, and how to perform as an orchestra. Participation in this class requires rehearsals and performances outside of normal school hours, and a competition trip in the spring.

### **INTERMEDIATE ORCHESTRA**

Course No. 9238 - 36 week course

In this year-long class, students will continue their studies of the violin, viola, cello or string bass. Students will learn more advanced performing techniques on their instruments, more complex rhythms and notes, and they will continue to perform as an orchestra. Participation in this class requires rehearsals and performances outside of normal school hours, and a competition trip in the spring.

### **ADVANCED ORCHESTRA**

Course No. 9239- 36 week course

In this year-long class, students will again continue their studies of the violin, viola, cello, or string bass. Students will continue to learn more advanced performing techniques on their instruments, more complex rhythms and notes, some solo repertoire, and they will continue to perform as an orchestra. Participation in this class requires rehearsals and performance outside of normal school hours, and a competition trip in the spring.

### **6TH GRADE CHORUS**

Course No. 9269- 36 week course

Students will learn about music theory, notation, and vocal techniques through the practice and performance of appropriate choral repertoire ranging from unison singing to four-part harmony. Instruction will focus on diction, tone, control, pitch, sight-singing, and harmonic texture. Singers will perform in two major concerts and one optional competition at Busch Gardens during the school year.

### **7th GRADE CHORUS**

Course No. 9260 - 36 week course

Students will learn about music theory, notation, and vocal techniques through the practice and performance of appropriate choral repertoire ranging from unison singing to four-part harmony. Instruction will focus on diction, tone, control, pitch, sight-singing, and harmonic texture. Singers will perform in two major concerts and one optional competition at Busch Gardens during the school year.

### **8th GRADE CHORUS**

Course No. 9285 - 36 week course

Students will learn about music theory, notation, and vocal techniques through the practice and performance of appropriate choral repertoire ranging from unison singing to four-part harmony. Instruction will focus on diction, tone, control, pitch, sight-singing, and harmonic texture. Singers will perform in two major concerts and one optional competition at Busch Gardens during the school year.

## **PERFORMING ARTS EDUCATION**

### **Theatre Arts 6**

Course No. 05076 - 18 week course

The middle school theatre standards are designed to provide students with an introduction to the study of theatre history, dramatic literature, and theatrical production. Through research, planning, scripting, production, and performance experiences, students will acquire skills in communicating ideas, critical thinking, and collaborative problem solving. This course prepares students for further theatrical study and nurtures an appreciation for the many forms of theatre.

### **Theatre Arts 7**

Course No. 05077 - 18 week course

Students will continue to develop creative thinking skills through improvisation. Students will acquire skills in communicating ideas, critical thinking, collaborative problem solving and learn to analyze and evaluate theatrical works.

### **Speech Applications/Theatre Arts Grade 8**

Course No. 05078 - 18 week course

Students will continue to develop critical thinking, analysis, interpretation and evaluation skills. Students will become more articulate in their personal performances. Additional dramatic presentations and performance responsibility will be given to the students.

# World Language

## **Spanish I - Taken Over Two Years**

7th Grade Part A: 55100S7

8th Grade Part B: 55100S8 - Completion of 1 High School Credit

Students acquire skills in comprehending, reading, writing, and speaking Spanish. Vocabulary and basic grammar are taught through drills. The student explores the geography, customs, and traditions of Hispanic America.

## **Spanish II**

Course No. 55200 - 1 High School Credit

*Prerequisite: Spanish I*

The second-year Spanish student becomes knowledgeable of several verb tenses, idiomatic expressions, and grammatical skills in the language. This course enables the student to read, write, speak, and comprehend Spanish on a more advanced level. The study of the culture of Spanish speaking countries in South America continues.

# Caroline High School

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# Caroline Middle School

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**8th Grade Questions can be directed to :**

CMS School Counseling Team and Mr. Stephen Salvato