

2023-2024

Program of Studies

An Educational and Career Planning Guide for Secondary Students



"Every Child A Star . . . Together We Can Help Them Shine

Effective: October 2023

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Contacts for Additional Information

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351 King's Fork Road
Suffolk, VA 23434
www.sps.k12.va.us/schools/kfhs
923-5240

Lakeland High School
214 Kenyon Road
Suffolk, VA 23434
www.sps.k12.va.us/schools/lhs
925-5790

Nansemond River High School
3301 Nansemond Parkway
Suffolk, VA 23434
www.sps.k12.va.us/schools/nrhs
923-4101

The College and Career Academy at Pruden
4169 Pruden Boulevard
Suffolk, VA 23434
www.prudencenter.net
925-5650

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GENERAL INFORMATION

The purpose of the *Program of Studies* is to describe programs and courses offered in the high schools of Suffolk Public Schools. Included in this document are course sequences and descriptions within subject areas (Examples: English, Mathematics, Science, etc.) for your reference. Grade levels represent the recommended grade level at which most students should take the course described.

This *Program of Studies* is designed to assist students **entering 9th grade in 2018 and beyond** and their parents with long-range program planning and selection of courses for the upcoming school years. It is important that students consider the course descriptions and prerequisites, keeping in mind their personal abilities and interests. Students should choose courses that contribute to the accomplishments of their educational, personal, and career goals.

Parents are asked to review the *Program of Studies* information with their child(ren). Information in this guide should generate helpful discussions about career opportunities, diploma types, and educational plans. It is important that every parent be a vital part of the decision for the selection of student courses. Parents, in conjunction with school personnel, must work together to help students realize that the educational choices made today greatly affect the opportunities available in the future.

Course Selection and Registration Process

Suffolk Public Schools operates on a 4 x 4 semester schedule for students in grades nine through twelve. In the 4 x 4 semester schedule, the school day is divided into four instructional blocks approximately 90 minutes each and the school year is divided into two semesters. During the first semester, students are enrolled in four courses that meet daily. At the end of the first semester, students receive one credit for each course successfully completed and will be enrolled in four additional courses for the second semester. This allows students to have fewer courses at one time and teachers to have fewer students and fewer classes at one time. Students will take any required SOLs at the end of the semester in which they take the actual class. All freshmen, sophomores, and juniors must take four courses/credits each semester. With the approval of the principal, seniors may have the option of taking three courses per semester. No student should be allowed to enroll in more than eight credit-bearing courses during the school year. Exceptions should only be considered for seniors who may need additional credits in order to meet graduation requirements.

When selecting courses for the school year, students and parents/guardians should carefully choose the courses to be taken. The chosen courses should be based on the student's ability, past record of academic achievement, career goals, interest in the subject if it is an elective, and teacher/counselor recommendations. Fine arts and career and technical education electives offer students the opportunity to explore and study new topics as well as to gain valuable knowledge and skills.

Through thoughtful course selections and close cooperation between the student and the school counselor, a student should be able to pursue an academic and/or a career goal in a variety of elective areas of study. Parents/guardians are encouraged to contact their child's school counselor to discuss student career goals, course selections, and student academic achievement.

Promotion Policy

The following information applies to students who entered **Grade 9 in 2018-2019 and beyond**:

- Grade 9 Successfully completed Grade 8
- Grade 10 Successfully completed at least five (5) credits during the 9th grade school year.
- Grade 11 Successfully completed at least five (5) credits during the 10th grade school year.
- Grade 12 Successfully completed at least five (5) credits during the 11th grade school year.

- Graduation requirements outlined by the Virginia Code 8VAC20-131-51 must be met in order for students to be awarded a diploma and be considered a Virginia high school graduate.

A verified credit is earned by successful completion of a SOL course and passing the corresponding SOL assessment.

Special Education: Promotion will be based on achievement as determined by the standards-based Individualized Education Program (IEP).

Grading Scale

A ten (10) letter grading key is used to report scholastic progress in the following ranges:

Letter Grade	Score Range	Progress Statements	Point Value For General Classes	Point Value For Honors and Pre-IB +(0.5) Classes	Point Value For IB, PLTW, Advanced Placement and Dual Enrollment +(1.0) Classes
A	100-93	Outstanding progress, superior work	4.0	4.5	5
A-	92-90	Outstanding progress, superior work	3.7	4.2	4.7
B+	89-87	Outstanding progress, superior work	3.3	3.8	4.3
B	86-83	Good, better than average progress	3.0	3.5	4
B-	82-80	Good, better than average progress	2.7	3.2	3.7
C+	79-77	Good, better than average progress	2.3	2.8	3.3
C	76-73	Average progress	2.0	2.5	3
C-	72-70	Average progress	1.7	2.2	2.7
D+	69-67	Average progress	1.3	1.8	2.3
D	66-63	Poor, but passing	1.0	1.5	2
F	below 63	Unsatisfactory	0.0	0.0	0.0
I	Incomplete	Incomplete – work must be made up			

Final Grades: The final grade will be determined by averaging the two semester grades:

Example:

88/B First Semester

94/A Second Semester

182

$182 \div 2 = 91/A$ - Final Grade

Class Ranking

High school class ranking in Suffolk Public Schools is based upon the grades earned in courses for which high school credit is awarded. Class rank is determined by assigning the highest average rank a number one (1): the second highest, the rank of number two (2): etc. In cases where more than one student has the same numerical average, all students with that average will be given the same rank. The next highest average will assume the next ranked position, indicating the number of students having a higher rank.

Example:

Student No. 1 3.988 Rank 1
Student No. 2 3.988 Rank 1

Student No. 3 3.897 Rank 3
Student No. 4 3.897 Rank 3

The student with the next highest average would have the rank of five (5) in the class indicating that there are four (4) students who ranked higher. Only those high school credits earned through high school and middle school will be used in the ranking (i.e., a total of seven (7) semesters of work and any high school credits earned in 7th or 8th grade).

In determining class rank, weighted points will be given for any Advanced Placement, Honors, Governor's School for the Arts, Project Lead the Way, International Baccalaureate (IB) and/or dual enrollment grades earned in another school division that correspond with weighted courses offered by Suffolk Public Schools.

A student may repeat a course and the higher grade will be used in determining class rank. In the case of a sequential course, the lower level course must be taken and the student must earn a passing grade before the student is eligible to take a higher-level course.

If the student should decide to repeat a lower level course after having taken the higher-level course, the original lower level course grade will be used for computing class rank, even though the student may have earned a higher grade after repeating the lower level course.

To be considered a valedictorian or salutatorian, a student must have completed a minimum of two (2) regular semesters in Suffolk Public Schools prior to computation of class rank. Class rank will be announced during the last grading period.

Testing

Standards of Learning (SOL) Assessments

The SOL tests were designed to measure student achievement throughout the State of Virginia. Students in selected grades are tested in the four core academic areas: Mathematics, English, Science, and History/Social Science. Students in Grades 8 and 11 will be assessed in Writing. SOL testing is scheduled in the fall, spring, and at the end of summer school each year. Other opportunities are available for re-testing or recovery.

GRADUATION REQUIREMENTS

Awarding Diplomas - Suffolk Public Schools shall award diplomas to all secondary school students including students who transfer from nonpublic schools or from home instruction who; (i) earn the units of credit prescribed by the Board of Education; (ii) pass any prescribed tests; and (iii) meet such other requirements as prescribed by the Suffolk City School Board.

Profile of a Virginia Graduate – Both the Standard Diploma and the Advanced Diploma shall provide multiple pathways toward college, career, and citizenship readiness for students to follow in the later years of high school. Each such pathway shall provide meaningful and rigorous opportunities tied to instruction to achieve workplace and citizenship skills through experiences such as internships, externships, credentialing, and blended learning which may be offered for credit toward high school graduation. Each student who receives a standard or advanced diploma shall: (i) attain the knowledge, skills, competencies, and experiences necessary to be successful in the

evolving global economy whether immediately entering the world of work or pursuing a postsecondary education, and (ii) acquire and be able to demonstrate foundational skills in critical thinking, creative thinking, collaboration, communication, and citizenship. (Virginia Administrative Code 8VAC20-131-51)

Service Learning Requirement

Students enrolled in 9th grade in 2020-21 and beyond will be required to complete a service learning experience embedded in a core area course. Service Learning (SL) experiences enable students to learn to apply academic, social, and personal skills to improve the community, continue individual growth, and develop a lifelong ethic of service. Service learning is embedded in the curriculum and students will complete the experience under the direction of a teacher. Service learning requires students to use the Five C's (collaboration, communication, citizenship, creativity, critical thinking) established in the Profile of a Virginia Graduate. Service learning will take place during Government, Honors Government, AP Government courses and other elective courses. During a service learning experience, students identify an interest and a community need, and then develop and complete a project. Students complete structured activities before, during, and after the experience to reflect and self-assess. Students will complete the project as part of their regular instruction. School counselors will annually monitor the students' progress towards meeting the service learning requirement.

The Virginia Board of Education has prescribed the following diploma options:

The *Standards for Accrediting Schools in Virginia*, adopted by the Virginia Board of Education, establishes high school graduation requirements. Students typically have two diploma options: **Standard Diploma (22 credits)** and **Advanced Studies Diploma (26 credits)**. Students meeting standards based on Individualized Educational Plan (IEP) goals and objectives are eligible for an **Applied Studies Standard Diploma**. Credit accommodations for students with disabilities pursuing the Standard Diploma shall be determined by the student's individualized education plan (IEP) team or 504 committee.

Approved Courses

Courses approved for the Standard and Advanced Studies Diplomas – Effective with Ninth-Grade Class of 2010-2011 and beyond are available at: <http://www.doe.virginia.gov/>

Additional Requirements

Students entering 9th grade in 2018-2019 and beyond will be required by VDOE to complete a virtual course (standard and advanced diploma) and obtain an industry credential or take an Advanced Placement, IB, or honors course. The students in Health and Physical Education 9 and/or 10 courses will have a blend of face-to-face and virtual. Students will be required to complete selected virtual modules/lessons in one or both of the courses. Successful completion of modules will meet the requirement for the virtual course. Students are also required to complete an Economic and Personal Finance course which includes an industry credentialing assessment. Successful completion of the Economic and Personal Finance assessment or an assessment associated with another Career and Technical Education course will satisfy the industry credentialing requirement.

Students seeking a standard or advanced diploma are required to complete at *least two sequential electives*. Students are strongly encouraged to complete a sequence in career and technical education to match their career plans.

Students entering the ninth grade for the first time in 2018-2019 and beyond will be required by the VDOE to be trained in emergency first aid, cardiopulmonary resuscitation, and the use of automated external defibrillators,

including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. Students with an IEP or 504 Plan that documents they cannot successfully complete this training shall be granted a waiver per 8VAC20-131-420B.

Students shall acquire and demonstrate foundational skills in critical thinking, creative thinking, collaboration, communication, and citizenship in accordance with the Profile of a Virginia Graduate approved by the State Board of Education.

Students must successfully complete one of the following diploma plans:

STANDARD AND ADVANCED DIPLOMA OPTIONS

<i>Discipline Area</i>	<i>Standard Diploma Standard Credits</i>	<i>Advanced Diploma Standard Credits</i>
English	4	4
Mathematics	3	4
Laboratory Science	3	4
History and Social Sciences	3	4
Health and Physical Education	2	2
World Language	Optional (1 or more)	3 or more
Fine Arts, or Career and Technical	1 or more	1
Economics and Personal Finance	1	1
Electives	4	3
<i>Total Credits</i>	22	26

Notes for Standard Diploma

Discipline Area	Courses required to complete this requirement:
Mathematics	At least 2 different courses from Algebra I, Geometry, Algebra Functions and Data, Algebra II or other approved courses; computer science course credit earned by students may be considered a mathematics course credit
Laboratory Science	At least 2 different courses from Earth Sciences, Biology, Chemistry, or Physics, or completion of IB sequenced courses; computer science course credit earned by students may be considered a science course credit
History and Social Science	Virginia and U.S. History, Virginia and U.S. Government, and one course in either World History or Geography or both
World Language, Fine Arts, or Career and Technical Education	At least 1 credit in Fine Arts or Career and Technical Education
Electives	At least 2 sequential electives

Notes for Advanced Diploma

Discipline Area	Courses required to complete this requirement:
Mathematics	At least 3 different courses from Algebra I, Geometry, Algebra II or other mathematics courses above the level of Algebra II; computer science course credit earned by students may be considered a mathematics course credit
Laboratory Science	At least 3 different courses from Earth Sciences, Biology, Chemistry, or Physics, or completion of IB sequenced courses; computer science course credit earned by students may be considered a science course credit
History and Social Science	Virginia and U.S. History, Virginia and U.S. Government, and 2 courses in either World History or Geography or both
World Languages	3 years of one language or 2 years of two languages
Fine Arts, or Career and Technical Education	1 credit in Fine Arts or Career and Technical Education
Electives	At least 2 sequential electives

APPLIED STUDIES DIPLOMA

The Applied Studies Diploma is a diploma option available to students identified as having a disability who complete the requirements of their individualized education programs (IEPs) and meet certain requirements prescribed by the Board of Education pursuant to regulations, but do not meet the requirements for any named diploma.

STANDARD DIPLOMA CREDIT ACCOMMODATIONS

The Board of Education has approved Guidelines for Standard Diploma Credit Accommodations for Students with Disabilities to provide alternatives for these students in meeting the requirements for a Standard Diploma. Please direct questions about credit accommodations to the Office of Special Education Program Improvement in the Division of Special Education and Students Services. Credit accommodations provide alternatives for students with disabilities in earning the standard and verified credits required to graduate with a Standard Diploma.

Credit accommodations for students with disabilities may include:

- Alternative courses to meet the standard credit requirements
- Modifications to the requirements for locally awarded verified credits
- Additional tests approved by the Board of Education for earning verified credits
- Adjusted cut scores on tests for earning verified credits
- Allowance of work-based learning experiences through career and technical education (CTE) courses

Guidance on the Use of Credit Accommodations

- [Standard Diploma Credit Accommodations from the VDOE](#)—This link will provide information about the policies and resources for students with credit accommodations.

GRADUATION REQUIREMENTS (Verified Credits)

For students entering the ninth grade for the first time in 2018-2019, students will be required to earn verified credits by passing five End-of-Course SOL tests in certain subject areas prior to high school graduation.

Disciplines	Standard and Advanced Diploma (2018-2019 and beyond) Five (5) Credits	Applied Studies Diploma
	<i>Entered 9th Grade 2018-2019 and beyond</i>	<i>Entering 9th Grade in 2013 and beyond</i>
English: Writing	1	<i>Meets Standards-Based - IEP Goals</i>
English: Reading	1	<i>Meets Standards-Based - IEP Goals</i>
History/Social Science	1	<i>Meets Standards-Based - IEP Goals</i>
Mathematics	1	<i>Meets Standards-Based - IEP Goals</i>
Science	1	<i>Meets Standards-Based - IEP Goals</i>
TOTAL:	5	<i>Meets Standards-Based - IEP Goals</i>

Summer Graduation - Students completing graduation requirements in summer school; completion of 12th grade English and Government required.

a. Students completing graduation requirements in a summer school accredited under these standards shall be eligible for a diploma. The last school attended by the student during the regular session shall award the diploma unless otherwise agreed upon by the principals of the two (2) schools.

b. In order for a student to earn a standard or advanced studies diploma from Suffolk Public Schools a student must (i) complete Twelfth grade English and Government at one of the high schools of Suffolk Public Schools and (ii) have successfully completed one full semester of study in Suffolk Public Schools.

c. Any student that does not satisfy the requirement set forth in subsection B above, must petition the last school attended to award a diploma.

Verified Credit Requirements for Transfer Students

Students entering during the 10th grade or the beginning of 11th grade	5 verified credits: 2 English; 1 History; 1 Science; 1 Math
Students entering during the 11th grade or the beginning of 12th grade	2 verified credits: 1 English; 1 of student's choosing unless Math participation is required

DIPLOMA SEALS

Students meeting specific requirements for graduation and demonstrating exemplary performance may receive diploma seals for recognition. VDOE makes available to local school divisions the following seals:

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."

Board of Education's Career & Technical Education Seal

Awarded to students who:

- earn a Standard or Advanced Studies Diploma and complete a prescribed sequence of courses in a career and technical education concentration or specialization that they choose and maintain a "B" or better average in those courses

~ OR ~

- pass an examination or an occupational competency assessment in a career and technical education 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.

Board of Education's Science, Technology, Engineering, and Mathematics (STEM) Seal

Awarded to students who earn either a Standard or Advanced Studies Diploma and satisfy all of the mathematics and science requirements for the Advanced Studies Diploma (four units of credit including Algebra II; one verified unit of credit) with a "B" average or better; and either:

- successfully complete a 50 hour or more work-based learning opportunity in a STEM area, and satisfy all requirements for a Career and Technical Education concentration. A concentration is a coherent sequence of two or more state-approved courses as identified in the course listing within the CTW Administrative Planning 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

Board of Education's Excellence in Civics Education Seal

Awarded to students who meet each of the following four criteria:

- Satisfy the requirement to earn a Standard Diploma or an Advanced Studies Diploma
- Complete Virginia & United States History and Virginia & United States Government courses with a grade of "B" or higher

- 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; and 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.
- Have good attendance and no disciplinary infractions as determined by local school board policies.

Virginia Seal of Biliteracy

Awarded to students who meet each of the following criteria:

- Pass all required End-of-Course Assessments in English reading and writing at the proficient or higher level, **and**
- Be proficient in the intermediate-mid level or higher in one or more languages other than English, as demonstrated through an assessment from a list to be approved by the Superintendent of Public Instruction.

Board of Education’s Seal for Excellence in Science and the Environment

Awarded to students who enter the ninth grade for the first time in 2018-2019 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, and
- 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.

Local school divisions may award other diploma seals or awards for exceptional academic, CTE, citizenship or other exemplary performance in accordance with criteria defined by the local school board. The design, production and use of those seals are the responsibility of the local school boards awarding the seal.

Special Recognitions

Early College Scholar

The Early College Scholars program allows eligible high school students to earn at least 15 hours of transferable college credits while completing the requirements for an Advanced Studies Diploma. The result is a more productive senior year and a substantial reduction in college tuition.

Specifically, the program is composed of the following options: Advanced Placement (AP), Dual Enrollment, and International Baccalaureate.

Each of these programs allows students to experience college level coursework during their high school careers. The Early College Scholars program allows eligible high school students to earn at least 15 hours of transferable college credits while completing the requirements for an Advanced Studies Diploma. Completion of transferable college credits assist students in reducing the number of courses they will need to complete at the college/university of their choice.

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

- Have a "B" average or better;
- Be pursuing an Advanced Studies Diploma; and;
- Take and complete college-level course work (i.e., Advanced Placement, International Baccalaureate, Cambridge, or dual enrollment) that will earn at least 15 transferable college credits.

Early College Scholar applications are available in the high school guidance office and at this website:

http://www.doe.virginia.gov/instruction/graduation/early_college_scholars/index.shtml

AP Scholar Awards

The Advanced Placement Program offers several Scholar Awards to recognize high school students who have demonstrated college-level achievements through AP courses and exams. Although there is no monetary award, in addition to receiving an award certificate, this achievement is acknowledged on any grade report that is sent to colleges the following fall and is announced in the media. Students may earn the following distinctions:

Advanced Placement Scholar

Granted to students who receive grades of 3 or higher on three or more AP Exams

Advanced Placement Scholar with Honor

Granted to students who receive an average grade of at least 3.25 on all AP Exams taken, and grades of 3 or higher on four or more of these exams

Advanced Placement Scholar with Distinction

Granted to students who receive an average grade of at least 3.5 on all AP Exams taken, and grades of 3 or higher on five or more of these exams

Advanced Placement State Scholar

Granted to one female and one male student in each U.S. state and the District of Columbia with grades of 3 or higher on the greatest number of exams (at least three exams), and then the highest average grade (at least 3.5) on all AP Exams taken.

National Advanced Placement Scholar

Granted to students in the United States who receive an average grade of at least 4 on all AP Exams taken, and grades of 4 or higher on eight or more of these exams.

COURSE SEQUENCES AND DESCRIPTIONS

ACADEMIC COURSES

English

1130	ENGLISH 9
Grade:	9
Prerequisite(s):	Successful completion of English 8
Credit:	One

The English 9 course supports students in building their skills in the four areas of study outlined in the 2017 Standards of Learning: communication and multimodal literacies, reading, writing and research. Throughout the course, students are exposed to a survey of world literature from varying cultures and periods of time. There is a continued emphasis on reading comprehension by comparing fiction and nonfiction texts. The English 9 course integrates reading and writing throughout the year, using the recursive writing process while writing in a variety of forms with an emphasis on analysis, persuasion, and research.

1130H	HONORS ENGLISH 9
Grade:	9
Prerequisite(s):	"B" or better in English 8
Credit:	One (weighted + 0.5)

The Honors English 9 course supports students in building their skills in the four areas of study outlined in the 2017 Standards of Learning: communication and multimodal literacies, reading, writing and research. Throughout the course, students are challenged to analyze and compare/contrast world literature from varying cultures and periods of time. There is a continued emphasis on reading comprehension by comparing fiction and nonfiction texts. The English 9 course integrates reading and writing throughout the year, using the recursive writing process while writing in a variety of forms with an emphasis on analysis, persuasion, and research. Students are expected to conclude the course with greater control over the conventions of writing.

1140	ENGLISH 10
Grade:	10
Prerequisite(s):	Successful completion of English 9
Credit:	One

The English 10 course supports students in building their skills in the four areas of study outlined in the 2017 Standards of Learning: communication and multimodal literacies, reading, writing and research. Throughout the course, students are exposed to a survey of world literature from varying cultures and periods of time. There is a sustained emphasis on comparing and analyzing fiction and nonfiction texts to solve problems, answer questions, and generate new knowledge. The English 10 course integrates reading and writing throughout the year, using the recursive writing process while writing in a variety of forms with an emphasis on analysis, persuasion, and research.

1140H	HONORS ENGLISH 10
Grade:	10
Prerequisite(s):	"B" or better in English 9
Credit:	One (weighted + 0.5)

The Honors English 10 course supports students in building their skills in the four areas of study outlined in the 2017 Standards of Learning: communication and multimodal literacies, reading, writing and research. Throughout

the course, students are exposed to a survey of world literature from varying cultures and periods of time. There is a sustained emphasis on comparing and analyzing fiction and nonfiction texts to solve problems, answer questions, and generate new knowledge. The Honors English 10 course integrates reading and writing throughout the year, using the recursive writing process while writing in a variety of forms with an emphasis on analysis, persuasion, and research. Students are expected to conclude the Honors English 10 course with an even greater control over the conventions of writing.

1150 **ENGLISH 11**
Grade: 11
Prerequisite(s): Successful completion of English 10
Credit: One
SOL(s): *End of Course Reading and Writing REQUIRED*

The English 11 course supports students in building their skills in the four areas of study outlined in the 2017 Standards of Learning: communication and multimodal literacies, reading, writing and research. Throughout the course, engage with a variety of texts written by American authors in order to identify prevalent themes and characterizations reflective of American history and culture. There is a sustained emphasis on critiquing and analyzing American literature to solve problems, answer questions, and generate new knowledge. The English 11 course integrates reading and writing throughout the year, using the recursive writing process while writing in a variety of forms with an emphasis on persuasion, argumentation, and research.

1150H **HONORS ENGLISH 11**
Grade: 11
Prerequisite(s): "B" or better in English 10
Credit: One (weighted + 0.5)
SOL(s): *End of Course Reading and Writing REQUIRED*

The Honors English 11 course supports students in building their skills in the four areas of study outlined in the 2017 Standards of Learning: communication and multimodal literacies, reading, writing and research. Throughout the course, an increased emphasis is placed on critical thinking skills, analytical skills, college readiness, and independent reading. There is a sustained emphasis on critiquing and analyzing American literature to solve problems, answer questions, and generate new knowledge. The Honors English 11 course integrates reading and writing throughout the year, using the recursive writing process while writing in a variety of forms with an emphasis on persuasion, argumentation, and research. As they progress through the course, students are expected to write to a standard acceptable both in the workplace and postsecondary education.

1160 **ENGLISH 12**
Grade: 12
Prerequisite(s): Successful completion of English 11
Credit: One

The English 12 course supports students in building their skills in the four areas of study outlined in the 2017 Standards of Learning: communication and multimodal literacies, reading, writing and research. Throughout the course, engage with a variety of texts written by British authors in order to identify prevalent themes and characterizations reflective of British history and culture. There is a sustained emphasis on critiquing and analyzing British literature to solve problems, answer questions, and generate new knowledge. The English 12

course integrates reading and writing throughout the year, using the recursive writing process while writing in a variety of forms with an emphasis on persuasion, argumentation, and research.

1160H **HONORS ENGLISH 12**
Grade: 12
Prerequisite(s): "B" or better in English 11
Credit: One (weighted + 0.5)

The Honors English 12 course supports students in building their skills in the four areas of study outlined in the 2017 Standards of Learning: communication and multimodal literacies, reading, writing and research. Throughout the course, an increased emphasis is placed on critical thinking skills, analytical skills, college readiness, and independent reading. There is a sustained emphasis on critiquing and analyzing British literature to solve problems, answer questions, and generate new knowledge. The Honors English 12 course integrates reading and writing throughout the year, using the recursive writing process while writing in a variety of forms with an emphasis on persuasion, argumentation, and research. As they progress through the course, students are expected to write to a standard acceptable both in the workplace and postsecondary education.

1195 **ADVANCED PLACEMENT LITERATURE AND COMPOSITION**
Grade: 12
Prerequisite(s): "B" or better in English 11 or Honors English 11 or AP Language and Composition
Credit: One (weighted +1)
AP Exam: *Optional*

Students in this class will be challenged to think critically, to synthesize literature, and to write effectively. The course will emphasize British literature, but will include literary works from many countries. In addition, information concerning cultural, historical, philosophical, and psychological backgrounds will be addressed. The genres will include epics, dramas, novels, and a major focus on poetry.

1196 **ADVANCED PLACEMENT LANGUAGE AND COMPOSITION**
Grades: 11-12
Prerequisite(s): "B" or better in English 10 or Honors English 10 or English II or Honors English 11
Credit: One (weighted + 1)
SOL: *Reading and Writing End-of-Course Testing SUGGESTED*
AP Exam: *Optional*

Students will follow a program designed to parallel freshman composition at the college level. The work includes a close analysis of prose works. Students will prepare multi-paragraph compositions employing various rhetorical strategies examined in four major areas: narration, description, exposition, and argumentation. Time is allotted in-class for test taking strategies and timed writings which simulate the AP examination.

DE1600 **DUAL CREDIT ENGLISH COMPOSITION**
Grades: 11-12
Prerequisite(s): "B" or better in English 10 or Honors English 10 or English 11 or Honors English 11 or AP Language and Composition and students must meet the Virginia Placement Test (VPT) criteria for the PDCCC, or have taken the ACT, SAT or PSAT.
Credit: One (weighted +1)
College Code: ENG 111 and ENG 112

DC English Composition is designed to challenge the student's ability to think critically and to write effectively. Students will follow a program designed to parallel freshman composition at the college level. Students will prepare multi-paragraph compositions employing various rhetorical strategies examined in four major areas: narration, description, exposition, argumentation, and at least one researched essay.

1181 LITERACY STRATEGIES FOR HIGH SCHOOL I

Grade: 9
Prerequisite(s): English 8
Credit: One

The Literacy Strategies for High School I course supports students in further developing and refining their reading and test taking skills. Students are recommended for placement in this course based on multiple criteria including results from prior Standards of Learning assessments, performance in English or Reading courses, and other standardized testing. Throughout the course, students receive instruction in the areas of word level instruction, comprehension, motivation, and assessment strategy. Students explore texts and vocabulary through the use of seven different strategies: thinking reading, the vocabulary process, book study, the prediction strategy, the bridging strategy, strategy integration, and possible selves. Independent reading is incorporated to build fluency, expand vocabulary, provide practice, and increase the enjoyment of reading.

Sequential Elective Course: Literacy Strategies for High School II (1182)

1182 LITERACY STRATEGIES FOR HIGH SCHOOL II

Grade: 10
Prerequisite(s): Successful completion of Literacy Strategies I
Credit: One

The Literacy Strategies for High School II course provides students with opportunities to practice and refine what they learned in Literacy Strategies for High School I. Students explore texts and vocabulary through the use of six different strategies: thinking reading, the vocabulary process, book study, the summarization strategy, strategy integration, and the PASS strategy. Independent reading is incorporated to build fluency, expand vocabulary, provide practice, and increase the enjoyment of reading. Students complete a reading project at the conclusion of the course.

Sequential Elective Course: Literacy Strategies for High School I (1181)

1200 JOURNALISM I

Grades: 9-12
Prerequisite(s): "C" or better in previous English class
Credit: One

The Journalism I course introduces students to the terminology necessary for understanding the communication process. Students have the opportunity to explore and compare various forms of mass communication, both print and electronic. Journalism I also introduces students to the beginning study of black and white and color photography. Students learn to organize and write news, sports, features, and editorial articles. Students are introduced to various types of journalistic writing throughout the course.

Sequential Elective Course: Journalism II (1210)

1210 JOURNALISM II

Grades: 11-12
Prerequisite(s): Journalism I
Credit: One

The Journalism II course provides students with opportunities to practice and refine what they learned in Journalism I. This course may be used to design school newspapers and/or yearbooks. Throughout the course, students learn about gathering and writing news and practice writing in-depth news articles, feature stories, editorials, columns, and reviews. Students gain further experience in proofreading and revision to improve writing style and editing skills in this course.

Sequential Elective Course: Journalism (1200)

1300 FUNDAMENTALS OF PUBLIC SPEAKING

Grades: 9-12
Prerequisite(s): English 9
Credit: One

The Fundamentals of Public Speaking course allows students to become proficient in and gain knowledge of advanced oral communication techniques. Students present original speeches, study the communication process, critique speeches delivered by others, participate in group discussions, and learn to conduct and participate in meetings in a professional manner. Throughout the course, they gather, evaluate, organize, and articulate information in a purposeful and meaningful manner. In addition, students learn to defend and refute issues and develop skills in research, critical thinking, and organization of ideas. Upon successful completion of the course, students are able to speak effectively and confidently in formal, informal, and business communication situations.

1171 CREATIVE WRITING

Grades: 9-12
Prerequisite(s): English 9
Credit: One

The creative writing course is an introduction to the major genres of creative (imaginative) writing, including fiction, poetry, drama, and personal essay (creative nonfiction). Students examine the creative process through experimentation with a variety of creative exercises. Students gain a more in-depth understanding of the technical elements of fiction, poetry, and drama. In addition, the course features reading, analyzing, and critiquing a variety of literary examples, including students' own writings. In the course, students compose stories, poems, and dramatic scenes.

Sequential Elective Course: Advanced Composition (1177)

1177 ADVANCED COMPOSITION

Grades: 11-12
Prerequisite(s): Creative Writing
Credit: One

The advanced composition course provides students with an in-depth study and practice in fiction writing and poetry, including but not limited to: narrative voice and speaker, plotting and pacing, meter and rhyme, use of figurative language and allusions, developing characters, point of view, theme, setting, and description. Students apply and refine the skills learned in Creative Writing by creating and publishing a literary magazine/newspaper.

Students also explore the areas of self-publishing through examination of formatting, publishing, and marketing. At the conclusion of the course, students complete a long-term project and prepare for self-publication.

Sequential Elective Course: Creative Writing (1171)

World Language

World Languages may be used for a sequential elective for students on a standard diploma.

5990 AMERICAN SIGN LANGUAGE I

Grades 9-12
Prerequisite(s): None
Credit: One

Students will be introduced to a basic vocabulary of approximately 500 signs and knowledge of the manual alphabet. Expressive and receptive skills will be developed so that students will be able to use correctly in sentences those signs which have been learned using the ASL (American Sign Language or Ameslan) and will understand such sentences when given only in the language of signs. A history of sign language and of the education of the deaf will be included, along with an introduction to terminology used in the field of communicating with deaf persons. Teachers and students will communicate in the targeted language during at least 50% of the class.

5995 AMERICAN SIGN LANGUAGE II

Grades 10-12
Prerequisite(s): "C" or better in Sign Language I recommended
Credit: One

Students will follow the introductory sign language course and add approximately 500 additional signs. Expressive and receptive skills will be developed at an increased speed and in more detailed context. Knowledge of deafness is expanded, and the teacher will cover very simply the physiology of the ear and hearing, the degrees of hearing loss and their implications, the use of hearing aids, and the audiogram. Students are introduced to communication with the deaf-blind. Teacher and students will communicate in the targeted language during at least 75% of the class.

5997 AMERICAN SIGN LANGUAGE III

Grades 11-12
Prerequisite(s): "C" or better in Sign Language II recommended
Credit: One

Students will follow the introductory sign language course and add approximately 500 additional signs. Expressive and receptive skills will be developed at an increased speed and in more detailed context. Knowledge of deafness is expanded, and the teacher will cover very simply the physiology of the ear and hearing, the degrees of hearing loss and their implications, the use of hearing aids, and the audiogram. Students are introduced to communication with the deaf-blind. Teachers and students will communicate in the targeted language during at least 90% of the class.

5998 HONORS AMERICAN SIGN LANGUAGE IV

Grades 11-12
Prerequisite(s): "B" or better in American Sign Language III.
Credit: One (weighted + .5)

Students will continue to develop their proficiencies in the three modes of communicative competence: interaction with other speakers of the language by listening to another person's words, inflections, and intent, and

simultaneously render them into the visual language of signs using the mode of communication preferred by the deaf person. Also, the student will comprehend the signs, inflections and intent of the deaf person and simultaneously speak them in articulate and appropriate English. Students will interpret different settings and scenarios to improve their interpreting skills. They must be able to access information in other subject areas and compare and contrast cultural elements in deaf culture to hearing culture.

5110 **FRENCH I**
Grades 8-12
Prerequisite(s): “C” or better in English 8
Credit: One

Students will develop the basic skills of listening, speaking, reading, and writing in French. They will learn how to greet people, tell the time and date, and describe the weather. They will receive an introduction to the culture of French-speaking people. Teacher and students will communicate in the targeted language during at least 50% of the class.

5120 **FRENCH II**
Grades 9-12
Prerequisite(s): “C” or better in French I recommended
Credit: One

Students will review the vocabulary and grammar learned in French I. They will learn new vocabulary and grammar; improve their skills in listening, speaking, reading, and writing in French; and increase their knowledge of the cultures of the French-speaking people. Teacher and students will communicate in the targeted language during at least 75% of the class.

5130 **FRENCH III**
Grades 10-12
Prerequisite(s): “C” or better in French II recommended
Credit: One

Students will thoroughly review vocabulary and grammar learned in French I and II while learning new vocabulary and grammar. The basic skills of listening, speaking, reading, and writing will be stressed, as well as the culture of French-speaking people. Teacher and students will communicate in the targeted language during at least 90% of the class.

5140 **HONORS FRENCH IV**
Grades 11-12
Prerequisite(s): “B” or better in French III
Credit: One (weighted + .5)

In Honors French IV, students continue to develop their communicative competence by interacting orally and in writing with other French speakers, understanding oral and written messages in French, and making oral and written presentations in French. Students will be able to exchange and support opinions on a variety of topics related to contemporary and historical events and issues at a proficiency level commensurate with their study. They will comprehend spoken and written French texts from a variety of authentic sources as well as produce compositions containing well-developed ideas on various topics. Students will use French to access information

in other subject areas and will compare and contrast cultural elements found in French-speaking countries with those found in their own. Teacher and students will communicate in the targeted language during at least 80% of the class. **Summer Assignment: REQUIRED**

5150 **HONORS FRENCH V**
Grade 12
Prerequisite(s): "B" or better in French IV
Credit: One (weighted + .5)

Students will communicate entirely in French in the classroom. Students will discuss and interpret current events, social issues, lifestyles of the Franco-phone world and write compositions on assigned topics and topics of their own choosing. Students will prepare oral and written reports on literature written by famous French authors. Teachers and students will communicate in the targeted language during the class.

5310 **LATIN I**
Grades 8-12
Prerequisite(s): "C" or better in English 8
Credit: One

Students will be introduced to the basic grammar, vocabulary, and pronunciation of the Latin language. The students learn, at a gradual pace, enough vocabulary and grammar to be able to translate a few sentences at a time and to analyze the grammatical constructions contained in each sentence. The student will learn all six tenses of the verbs with emphasis on the first four, all four conjugations, the first two declensions, all three genders, the active and passive voices, and the indicative and imperative moods of the verbs. The Latin I student will receive limited exposure to culture of the ancient Roman world and mythology.

5320 **LATIN II**
Grades 9-12
Prerequisite(s): "C" or better in Latin I recommended
Credit: One

Students will learn, at a moderate pace, third declension, pronouns, participles and many more grammatical constructions, and vocabulary. The Latin II student will receive more grammatical exposure to the culture and mythology, a brief introduction to some classical authors, and the subjunctive mood of verbs. The student becomes better able to translate entire paragraphs and stories in Latin.

5330 **LATIN III**
Grades 10-12
Prerequisite(s): "C" or better in Latin II recommended
Credit: One

Students will receive instructions on the subjective mood, deponent verbs, and other irregular verbs. The Latin III students will learn more vocabulary and more complicated grammatical constructions that enable them to translate selected passages by the text authors and classical authors. Students will learn more about the history and culture of the ancient Roman world through research on various topics of interest pertaining to the ancient Romans.

5340 **HONORS LATIN IV**
Grades 11-12
Prerequisite(s): "B" or better in Latin III
Credit: One (weighted + .5)

In Honors Latin IV, students continue to develop their communicative competence by interacting orally and in writing Latin, understanding written messages in Latin, and making written presentations in Latin. Students will be able to exchange and support opinions on a variety of topics related to contemporary and historical events and issues at a proficiency level commensurate with their study. They will comprehend written Latin texts from a variety of authentic sources as well as produce compositions containing well-developed ideas on various topics. Students will use Latin to access information in other subject areas and will compare and contrast cultural elements found in classical cultures compared to modern cultures.

5350 **HONORS LATIN V**
Grade 12
Prerequisite(s): "B" or better in Latin V
Credit: One (weighted +.5)

Students will expand their knowledge of Latin grammar and vocabulary while increasing the fluency of translation. They will continue to broaden their understanding of classical literature and its relationship to the political and historical events of the time period.

5510 **SPANISH I**
Grades 8-12
Prerequisite(s): "C" or better in English 8
Credit: One

Students will develop the basic skills of listening, speaking, reading, and writing in Spanish. They will be able to greet people, tell the date and times, give telephone numbers, express likes and dislikes, and describe the weather. They will receive an introduction to the cultures of Spanish-speaking people. Both Spanish and English will be spoken in class. Teacher and students will communicate in the targeted language during at least 50% of the class.

5520 **SPANISH II**
Grades 9-12
Prerequisite(s): "C" or better in Spanish I recommended
Credit: One

Students will review the vocabulary and grammar presented in Spanish I. They will learn new vocabulary and grammar; improve their skills in listening, speaking, reading, and writing in Spanish; and increase their knowledge of the cultures of the Spanish-speaking people. Teacher and students will communicate in the targeted language during at least 75% of the class.

5530 **SPANISH III**
Grades 10-12
Prerequisite(s): "C" or better in Spanish II recommended
Credit: One

Students will thoroughly review vocabulary and grammar studied in Spanish I and II while continuing to learn new vocabulary and grammar. The basic skills of listening, speaking, reading, and writing will continue to be stressed, as well as the culture of the Spanish-speaking countries. Teacher and students will communicate in the targeted language during at least 90% of the class.

5540 **HONORS SPANISH IV**
Grades 11-12
Prerequisite(s): "B" or better in Spanish III
Credit: One (weighted + .5)

In Honors Spanish IV, students continue to develop their communicative competence by interacting orally and in writing with other Spanish speakers, understanding oral and written messages in Spanish, and making oral and written presentations in Spanish. Students will be able to exchange and support opinions on a variety of topics related to contemporary and historical events and issues at a proficiency level commensurate with their study. They will comprehend spoken and written Spanish texts from a variety of authentic sources as well as produce compositions containing well-developed ideas on various topics. Students will use Spanish to access information in other subject areas and will compare and contrast cultural elements found in Spanish-speaking countries with those found in their own. Teacher and students will communicate in the targeted language during the class.

5550 **HONORS SPANISH V**
Grade 12
Prerequisite(s): "B" or better in Spanish IV
Credit: One (weighted + .5)

Students will review vocabulary and grammar learned in Spanish I, II, III, and IV. They will continue to increase their knowledge in vocabulary and grammar; improve their listening, speaking, reading and writing skills; and study the cultures of the Spanish speaking countries. In addition, there will be an introduction to masterpieces of Spanish literature such as *El Cid* and *Don Quixote*. Teacher and students will communicate in the targeted language during the class.

5570 **ADVANCED PLACEMENT SPANISH LANGUAGE**
Grades 11-12
Prerequisite(s): "B" or better in Spanish IV
Credit: One (weighted +1)
AP Exam: *Optional*

Students will cover the equivalent of a third-year college course in advanced Spanish writing and conversation. It encompasses aural/oral skills, reading comprehension, grammar, and composition. Topics may include the arts, history, current events, literature, culture, sports, films, newspapers, and magazines etc.

5710 **ENGLISH AS A SECOND LANGUAGE I**
Grades 9-12
Prerequisite(s): EL identification
Credit: One

Students will receive intensive teaching in English especially designed for English Learners (EL), where English may be a second language. The primary goal of the course is to help students understand, read, write, and speak English in order to communicate in social settings, to achieve academically in all subject areas, and to behave in

social and culturally appropriate ways. This course satisfies a World Language requirement for graduation for EL students only.

5720 **ENGLISH AS A SECOND LANGUAGE II**
Grades 9-12
Prerequisite(s): EL identification & successful completion of ESL I
Credit: One

Students will receive intensive teaching in English especially designed for English Learners (EL), where English may be a second language. The primary goal of the course is to help students understand, read, write, and speak English in order to communicate in social settings, to achieve academically in all subject areas, and to behave in social and culturally appropriate ways. This course satisfies a World Language requirement for graduation for EL students only.

5730 **ENGLISH AS A SECOND LANGUAGE III**
Grades 9-12
Prerequisite(s): EL identification & successful completion of ESL II
Credit: One

Students will receive intensive teaching in English especially designed for English Learners (EL), where English may be a second language. The primary goal of the course is to help students understand, read, write, and speak English in order to communicate in social settings, to achieve academically in all subject areas, and to behave in social and culturally appropriate ways. This course satisfies a World Language requirement for graduation for EL students only.

5731 **ENGLISH AS A SECOND LANGUAGE IV**
Grades 9-12
Prerequisite(s): EL identification & successful completion of ESL III
Credit: One

Students will receive intensive teaching in English especially designed for English Learners (EL), where English may be a second language. The primary goal of the course is to help students understand, read, write, and speak English in order to communicate in social settings, to achieve academically in all subject areas, and to behave in social and culturally appropriate ways. This course satisfies a World Language requirement for graduation for EL students only.

01008G10055 **ENGLISH AS A SECOND LANGUAGE V**
Grades 9-12
Prerequisite(s): EL identification & successful completion of ESL IV
Credit: One

Students will receive intensive teaching in English especially designed for English Learners (EL), where English may be a second language. The primary goal of the course is to help students understand, read, write, and speak English in order to communicate in social settings, to achieve academically in all subject areas, and to behave in social and culturally appropriate ways. This course satisfies a World Language requirement for graduation for EL students only.

Education

7700 ADAPTED PHYSICAL EDUCATION

Grade 9-12
Prerequisite(s): None
Credit: One

Students with disabilities require special consideration in the planning and implementation of their physical education programs. This course allows students the opportunity to experience the common benefits and activities of regular physical education by providing modification, alternative activities, and adapted equipment for varying abilities. Through careful evaluation, students enrolled in this course are selected based on who requires special support to safely and successfully participate in either a regular or supplemental physical education program. This course provides students with instruction in the least restrictive environment.

7300 HEALTH AND PHYSICAL EDUCATION 9

Grade 9
Prerequisite(s): None
Credit: One

Students will learn proper maintenance of the body through hygiene, nutrition, and identifying and correcting hazards that may cause a reduction in the efficiency of body functions. Students will become physically involved in activities that help cardio-vascular efficiency. Rules and skills are taught to each student for understanding and appreciation of each activity and knowledge that these activities should be carried over into adulthood for a healthier and more enjoyable life. Students may be taught emergency first aid, cardiopulmonary resuscitation, and the use of automated external defibrillators, including hands-on practice. (This course contains sexually explicit content as part of the curriculum.) *(Health Modules Part I & II – included which will meet the virtual graduation requirement when successfully completed.)*

7405 HEALTH AND PHYSICAL EDUCATION 10

Grade 10
Prerequisite(s): None
Credit: One

Students will learn proper maintenance of the body through hygiene, nutrition, and identifying and correcting hazards that may cause a reduction in the efficiency of body functions. Students will become physically involved in activities that help cardio-vascular efficiency. Rules and skills are taught to each student for understanding and appreciation of each activity and knowledge that these activities should be carried over into adulthood for a healthier and more enjoyable life. Students may be taught emergency first aid, cardiopulmonary resuscitation, and the use of automated external defibrillators, including hands-on practice. Driver Education is taught as part of the tenth-grade health course. This unit is 36 hours in length and teaches the responsibility and rules of driving a motor vehicle in the state of Virginia. (This course contains sexually explicit content as part of the curriculum.) *(Health Modules Part I & II– included which will meet the virtual graduation requirement when successfully completed.)*

7640 ADVANCED HEALTH AND PHYSICAL EDUCATION

Grades 11-12

Prerequisite(s): Completion of Health and Physical Education 9 and 10 with a “C” average
Credit: One

Students will further their skills and knowledge in the area of lifetime physical education activities. Students learn the importance of a life plan that includes physical activity and the personal satisfaction to be gained through these activities. Students will participate in and officiate for the following sports: basketball, flag football, horseshoes, softball, shuffleboard, tennis, track and field, volleyball, and weightlifting.

Sequential Elective: Sports, Exercise, and Health Science (08016)

08016 SPORTS, EXERCISE, AND HEALTH SCIENCE

Grade 12
Prerequisite(s): Health and PE 10 and Government issued Photo ID, must be a graduating senior
Credit: One (weighted +.5)
Assessment: National Academy of Sports Medicine Personal Training and Fitness Certification (Certified Personal Trainer)

Students will learn nutrition, human anatomy, fitness assessment, first aid, organization, and community skills. This course is designed for students interested in earning a fitness industry credential. This credential will give the student the opportunity to access the high demand market of personal training. This course is also a gateway to other careers such as Sports Medicine, Athletic Training, and Physical Therapy. (This course contains sexually explicit content as part of the curriculum.)

Sequential Elective: Advanced Health and Physical Education(7640)

0817G1112 FITNESS INSTRUCTOR I

Grade 11
Prerequisite(s): Health and Physical Education 10
Credit: One

Students will gain the knowledge, skills, and experience needed to become certified in personal training, strength, and physical conditioning, group fitness, or in other health fitness specialty areas. Students will learn to develop individualized programs with goals that are based on factors that affect one’s overall health, including genetic and chronic health conditions, sports injuries, age and gender, level of fitness, and lifestyle factors. Students will gain knowledge and skills to help improve posture, movement, flexibility, balance, core function, cardiorespiratory fitness, and muscular endurance and strength. Students will learn business skills, including communication, leadership, marketing strategies, consumer advocacy, resume writing, and interviewing skills. Students will also earn a certification in CPR and AED.

Sequential Electives: Advanced Health and Physical Education(7640); Sports, Exercise, and Health Science (08016)

2360H HONORS VIRGINIA AND UNITED STATES HISTORY
 Grade 11
 Prerequisite(s): “B” or better in World History and Geography 1500 A.D. to present or Honors World History Geography 1500 A. D. to present
 Credit: One (weighted + .5)
 SOL: *End-of-Course Test required for students needing a verified Social Studies credit*

Students will expand their study of the rise of the American nation and its development with international interests and influences through the 21st century. Major emphasis include areas of ideas, thoughts, and philosophies which served as the backbone of the political, economic, and social contributions of various groups throughout the important stages of development.

2319 ADVANCED PLACEMENT UNITED STATES HISTORY
 Grade 11
 Prerequisite(s): “B” or better in World History and Geography 1500 A.D. to Present or Honors World History and Geography 1500 A.D. to Present
 Credit: One (weighted + 1)
 AP Exam: *Optional*

Students will use their analytical skills and factual knowledge to deal critically with the problems in United States history. The course includes extensive reading including summer assignments. Students will be prepared for intermediate and advanced college courses by meeting demands equivalent to those of full year introductory college courses.

DE2950 DUAL CREDIT UNITED STATES HISTORY
 Grade 11 (12th may take as elective)
 Prerequisite(s): “ B’ or better in World History and Geography 1500 A.D. to present Honors World History and Geography 1500 A.D. to present, and students must meet the Virginia Placement Test (VPT)criteria for the PDCCC, or have taken the ACT, SAT or PSAT.
 Credit: One (1) high school (weighted +1); 6 hours of college credit (upon successful completion)
 College Code: HIS 121 and HIS 122
 SOL: *End-of-Course Test required for students needing a verified Social Studies credit*

Students will study all aspects of American History with particular attention to the political, economic, social, military, intellectual, and cultural events. The first semester will survey prehistoric Americans through Post Civil War Reconstruction. The second semester will survey the rise of industry and cities in the 19th century through U.S. challenges and policies in the 20th century.

2440 VIRGINIA and UNITED STATES GOVERNMENT
 Grade 12
 Prerequisite(s): Virginia and United States History or Honors VA and US History
 Credit: One

Students will develop the skills and knowledge necessary for becoming an informed and responsible citizen. Students will develop a basic understanding of the U.S. Constitution and the three branches of government on the

federal and state levels. The values and principles of America's democratic system will be emphasized. This course will focus on the awareness of basic rights and responsibilities of a productive citizen in a democratic society.

2440H HONORS VA and U.S. GOVERNMENT

Grade 12
Prerequisite(s): "B" average in VA & US History or Honors VA & US States History
Credit: One (weighted + .5)

Students will expand their study of structure, function, and relationships of state, local, and national government within our federal system. Specific areas of study will allow students to analyze the process of policy making and its impact on economics, political parties, interest groups, and the media.

2445 ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS

Grade 12
Prerequisite(s): "B" or better in VA & US History or Honors VA & U.S. States History
Credit: One (weighted + 1)
AP Exam: Optional

Students will complete studies in high school equivalent to a one-semester college introductory course in United States Government and Politics.

E2952 DUAL CREDIT UNITED STATES GOVERNMENT

Grade 12
Prerequisite(s): "B" or better in VA and US History, DC US History, or AP US History. Students must also meet the VPT criteria for PDCCC or have taken the ACT, SAT or PSAT.
Credit: One (1) high school (weighted + 1); 6 hours of college credit (upon successful completion)
College Code: PLS 135 and PLS 136

Students will expand their study of structure, operation, and process of national, state, and local governments. Includes in-depth study of the three branches of the government and of public policy.

2500 SOCIOLOGY

Grades 9-12
Prerequisite(s): None
Credit: One

Students will examine the basic concepts, principles, and methods central to the scientific study of sociology - the science that studies human society and social behavior. It offers students an introduction to the use of the scientific method as it applies to sociology and provides an introduction to the methods sociologists use to describe and analyze social life.

2900 PSYCHOLOGY

Grades 10-12
Prerequisite(s): None

Credit: One

This general study of psychology will focus on the study of human behavior. As an introduction to the field of psychology, this course includes consideration of psychological principles, terminology, major theories, careers, methods of experimentation, and practical applications. (This course contains sexually explicit content as part of the curriculum.)

2800 ECONOMICS

Grades: 9-12
Prerequisite(s): None
Credit: One

Students will study the basic elements of the American economy: corporate business, labor unions, and the impact of the various levels of government on the traditional concept of the market economy. How prices are determined; the concept of money, banking, monetary, and fiscal policy; national income; and international trade are introduced. The social, political, and economic impact on decisions made by business, labor, government, and consumers are studied. Students will participate in an applied economics program and a stock market simulation.

2315 HUMANITIES/ MULTICULTURAL STUDIES

Grades: 9-12
Prerequisite(s): None
Credit: One

Students will explore the historical development of immigration in America from exploration to present. Students will examine the diversity of Americans and their impact on United States history. Students will identify the values, customs, culture, vocabulary, and diversity of different ethnic groups. Students will develop ways to reduce prejudice, foster tolerance, and build a commitment to the American ideals of pluralism and democracy. Students will explore the different cultural elements such as religion, language, historical traditions, and customs of our American society.

04107G1011 AFRICAN-AMERICAN STUDIES

Grade: 10-12
Prerequisite(s): None
Credit: One

African American Studies is an elective course that is designed to develop an understanding of and explore diverse history and culture of African Americans past and present. It presents a detailed analysis of the African American experience, emphasizing the role African-Americans played in Virginia and United States history. (This course contains sexually explicit content as part of the curriculum.)

2902 ADVANCED PLACEMENT PSYCHOLOGY

Grades: 11-12
Prerequisite(s): "B" or better in the previous year Social Studies course
Credit: One (weighted +1)
AP Exam: Optional

Students will be introduced to the systemic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. (This course contains sexually explicit content as part of the curriculum.)

DE2951

DUAL CREDIT INTRODUCTION TO PSYCHOLOGY

Grade

11 or 12

Prerequisite(s):

“B” or better in English 10 or Honors English 10, and students must meet the Virginia Placement Test (VPT) criteria for the PDCCC, or have taken the ACT, SAT or PSAT.

Credit:

One (1) high school (weighted + 1); 3 hours of college credit (upon successful completion)

College Code:

PSY 200

Students will examine human and animal behavior, relating experimental studies to practical problems. Topics will include sensation/perception, learning, motivation, intelligence, psychopathology, and therapy and social – psychology. (This course contains sexually explicit content as part of the curriculum.)

Mathematics

3131	ALGEBRA 1 PART 1
Grade	9
Prerequisite(s):	Below a “C” in Grade 8 math (Pre-Algebra)
Credit:	One elective credit

Students will review foundational skills and study concepts such as rational numbers, equations, inequalities, data analysis, relations, functions, and graphs. Real life applications will be identified and explored as they relate to other disciplines. Teachers and students will use technology, manipulatives and graphing calculators.

3132	ALGEBRA 1 PART 2
Grade	9-10
Prerequisite(s):	Successful completion of Algebra I, Part 1
Credit:	One credit
SOL:	<i>End-of-Course Test REQUIRED</i>

Students will study concepts such as systems of equations, radical expressions, quadratic equations and functions, translations and applications, factoring, exponents, polynomials, inequalities, and their graphs. Teachers and students will use technology, manipulatives and graphing calculators.

3120	PERSONAL LIVING AND FINANCE
Grade	9-12
Prerequisite(s):	None
Credit:	One elective credit

Students will focus on refining basic math skills to manage personal finances and to make sound financial decisions. Topics may include how to: open a bank account; judge the quality of a bank’s services; balance a checkbook; complete a loan application; understand the implications of an inheritance, the basics of personal insurance policies, consumer rights and responsibilities; deal with salesmen and merchants; manage debt including retail and credit card debt; compute state and federal tax; understand local tax assessments, computation of interest rates, and simple contracts; and contest an incorrect bill.

3130	ALGEBRA I
Grades	7-12
Prerequisite(s):	Successfully completion of 8 th grade Math Course
Credit:	One
SOL:	<i>End-of-Course Test REQUIRED</i>

Students will be introduced to the fundamental theory and structure of algebra. Content of this course includes rational numbers, equations, inequalities, radical expressions, translations and applications, relations, functions, graphing, systems of equations and inequalities, polynomials, factoring, quadratics, statistics, and practical problems. The topics require students to use algebra as a tool for representing and solving a variety of practical problems. Teachers and students will use graphing calculators.

3134	ALGEBRA, FUNCTIONS, AND DATA ANALYSIS
Grade	9-12

Prerequisite(s): Algebra I, Algebra I Part 2 or Geometry
Credit: One

This course is designed for students who have completed the standards for Algebra I. 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 by practical applications arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, exponential, or logarithmic equations or a system of equations. Additionally, students will use a transformational approach to graphing functions and writing equations.

3143 GEOMETRY

Grades 8-12

Prerequisite(s): Algebra I or Algebra I part 2

Credit: One

SOL: *End-of-Course Test required for students needing a verified Math credit*

Students will study both plane (Euclidean) and solid geometry concepts including points, lines, and planes. The students will apply deductive and inductive logical reasoning skills to properties, theorems and postulates of congruence, equality and inequality. Teachers and students use graphing calculators.

3143H HONORS GEOMETRY

Grade 9-12

Prerequisite(s): “B” or better in Algebra I, A 435 scale score on Algebra I SOL (*Highly recommended*)

Credit: One (weighted + .5)

SOL: *End-of-Course Test required for students needing a verified Math credit*

Students will study geometric figures, trigonometric relationships, and reasoning to justify conclusions. A variety of applications and problem-solving techniques including algebraic skills are used to implement the standards. Students will study both plane (Euclidean) and solid geometry concepts including points, lines, and planes. The students will apply deductive and inductive logical reasoning skills to properties, theorems and postulates of congruence, equality and inequality. Teachers and students will use graphing utilities and computer software.

3143 GEOMETRY with LAB

Grades 9-12

Prerequisite(s): Successful completion of Algebra I, Part 2 or Algebra I or AFDA

Credit: Two (one mathematics credit and one elective credit)

SOL: *End-of-Course Test required for students needing a verified Math credit*

Students will study both plane (Euclidean) and solid geometry concepts including points, lines, and planes. The students will apply deductive and inductive logical reasoning skills to properties, theorems and postulates of congruence, equality and inequality. Teachers and students use graphing calculators. In addition to the direct Geometry instruction, students will participate in a computer lab. During laboratory times, students will complete on-line Geometry modules for enrichment and/or remediation.

3135 ALGEBRA II

Grades 9-12

Prerequisite(s): “C” or better in Geometry or Honors Geometry (*highly recommended*) **OR**

successful completion of *AFDA*

Credit:

One

SOL:

End-of-Course Test required for students needing a verified Math credit

Students will study advanced algebraic concepts including: equations, inequalities, systems of equations, functions, complex numbers, factoring, curves of best fit, normal distribution, and sequences and series. Teachers and students will use graphing calculators.

3137 HONORS ALGEBRA II AND TRIGONOMETRY

Grade

9-12

Prerequisite(s):

“B” or better in Honors Geometry or Geometry **AND** “B” or better in Algebra I

Credit:

One (weighted + .5)

SOL:

End-of-Course Test required for students needing a verified Math credit

Students will master the foundation to pursue a sequence of advanced mathematical studies from mathematical analysis to advanced placement calculus. This combined course includes all the standards listed for Algebra II and Trigonometry. Teachers and students will use graphing calculators.

3154 DISCRETE MATHEMATICS

Grade

10 or 12

Prerequisite(s):

Successful completion of Algebra II or Honors Algebra II

Credit:

One

Students will analyze problems, determine whether or not a solution exists, investigate how many solutions exist, and focus on finding the best solution. Non-traditional techniques for problem solving will be utilized. Teachers and students will use graphing utilities and computers.

3162 MATHEMATICAL ANALYSIS/PRE-CALCULUS

Grade

11 or 12

Prerequisite(s):

“B” or better in Algebra II or Honors Algebra II

Credit:

One (weighted + .5)

Students will match linear relations, functions and their graphs. They will study trigonometry, advanced functions and their graphs, discrete mathematics, and an introduction to calculus. Topics include curve-sketching techniques, matrices, piecewise and step functions, limits of algebraic functions, transformations, exponential and logarithmic functions, polar equations, vectors, and parametric equations. Teachers and students will use graphing calculators.

02911G0912 DATA SCIENCE

Grade

9 - 12

Prerequisite(s):

Geometry

Credit:

One

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

Computer Science

10020	COMPUTER SCIENCE FOUNDATIONS
Grade	9-12
Prerequisite(s):	Algebra I required; Recommended keyboarding course or teacher-approved demonstration and documentation of touch keyboarding skills
Credit:	One

Students will transition from block-based programming to a text-based programming language and familiarize themselves with developing and executing computer programs. Students will work with various programming languages and environments, problems, challenges, and activities that will be used to facilitate design, analysis, and implementation of computer programs. Students will use computing tools to explore and create computer programs, facilitate reasoning and problem solving, and verifying solutions.

Sequential Elective Course: AP Computer Science Principles (10160)

10160	ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES
Grade	9-12
Prerequisite(s):	B or better in Geometry or Honors Geometry and passage of the Algebra I and Geometry EOC exams
Credit:	One (weighted +1)

Students will be introduced to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. Students will apply creative designs and innovative solutions when developing computational artifacts. Students will learn abstraction, communication of information using data, algorithms, programming, and the Internet.

Sequential Elective Course: Computer Science Foundations (10160)

3186	DUAL CREDIT MICRO-COMPUTERS (Introduction to Digital and Information Literacy and Computer Applications)
Grade	11 or 12
Prerequisite(s):	Keyboarding (high school or middle school) and students must meet the Virginia Placement Test (VPT) criteria for the PDCCC
Credit:	One (1) high school (weighted + 1); 3 hours of college credit (upon successful completion)
College Code:	ITE 152 (to be taken on PDCCC campus)

Students will study computer concepts and internet skills and the use of a software suite including word processing, spreadsheets, database and presentation software to demonstrate skills required for computer literacy.

Science

4269 ENVIRONMENTAL SCIENCE

Grade 9
Prerequisite(s): None
Credit: One

Students will learn the skills and content necessary for them to analyze current and future environmental issues, both natural and man-made, through a critical lens and to provide a platform to make informed decisions. Students will learn foundational content that will prepare them for either Earth Science or Biology while also including aspects of other disciplines such as civic engagement, mathematics, and engineering. This course provides students the opportunity to learn environmental concepts in-depth and build on the concepts embedded in the Science Standards of Learning.

4210 EARTH SCIENCE

Grade 8-12
Prerequisite(s): Physical Science (Science 8)
Credit: One
SOL: *End-of-Course Test required for students needing a verified Science credit*

Students will investigate and understand features of planet earth, the forces that shape it, its place in the solar system, and its place in the universe. The following topics will be studied: geology, astronomy, oceanography, meteorology, and conservation.

4310 BIOLOGY

Grade 9-12
Prerequisite(s): None
Credit: One
SOL: *End-of-Course Testing REQUIRED*

Students will investigate and understand the following topics: kingdoms of life with emphasis on nomenclature, life processes, anatomy, and the interdependence of the kingdoms of life and ecology, cell structure and function. Science investigations are required. (This course contains sexually explicit content as part of the curriculum.)

4310H HONORS BIOLOGY

Grades 9-12
Prerequisite(s): "B" or better in Physical Science (Science 8) or Earth Science
Credit: One (weighted +.5)
SOL: *End-of-Course Testing REQUIRED*

Students in this laboratory course will be involved in a detailed understanding of living systems. This course is a detailed survey of the kingdoms of life with emphasis upon nomenclature, life processes, anatomy, and the interdependence of the kingdoms of life and ecology. In addition, cell structure and function and the interrelationship of biology with other sciences will be examined. Students will be expected to devise experiments and develop logical conclusions. (This course contains sexually explicit content as part of the curriculum.)

4370 ADVANCED PLACEMENT BIOLOGY

Grade	11 or 12
Prerequisite(s):	“B” or better in Chemistry or Honors Chemistry AND B or better in Biology or Honors Biology
Credit:	Two (weighted + 1)
<i>AP Exam:</i>	<i>Optional</i>

Students will learn the equivalent of a college introductory biology course. Students will use a conceptual framework, factual knowledge, and analytical skills to understand the rapidly changing science of biology. (This course contains sexually explicit content as part of the curriculum.)

DE4700 DUAL CREDIT BIOLOGY

Grades	11 – 12
Prerequisite(s)	”B” or better in Biology or Honors Biology or Chemistry I or Honors Chemistry and students must meet the Virginia Placement Test (VPT). criteria for the PDCCC, or have taken the ACT, SAT or PSAT.
Credits:	Two (2) lab science units (weighted + 1); 8 hours of college credit (upon successful completion) - students must meet the Virginia Placement Test (VPT) criteria for the PDCCC.
Course Code:	BIO 101 and BIO 102

Students will explore the fundamental characteristics of living matter from the molecular level to the ecological community, with emphasis on general biological principles. This course introduces the diversity of living organisms, their structure, function, and developmental changes. (This course contains sexually explicit content as part of the curriculum.)

4250 EARTH SCIENCE II: OCEANOGRAPHY

Grade	10-12
Prerequisite(s):	Earth Science
Credit:	One

Students will study the many disciplines of oceanography including physics, chemistry, geology, biology, geography, meteorology, and the history of human interaction with the ocean. Students will conduct laboratory exercises focusing on the science of oceanography and the process of asking questions about the ocean and testing these questions to develop theories about the nature of oceans. Topics include oceanographic instruments, the chemistry of seawater, ocean sediments, weather and climate, waves, tides and currents, life in the oceans, habitats, maritime heritage, and current issues created by the interaction of science and technology.

4340 BIOLOGY II: ECOLOGY

Grade	10-12
Prerequisite(s):	Biology/Honors Biology
Credit:	One

Students will explore the local environment and current environmental issues. Students will collect and interpret real world data through laboratory and field activities. Topics will include a general exploration of

the ecology of marine, wetland and terrestrial environments and the Chesapeake Bay. The impact of global warming, populations and environmental laws will be explored.

4410 CHEMISTRY

Grades 10-12

Co/Prerequisite(s): "C" or better in Algebra II or Honors Algebra II

Credit: One

SOL: *End-of-Course Test required for students needing a verified Science credit*

Students will investigate and understand the following topics of study: atomic theory, atomic structure, properties of matter, chemical nomenclature, chemical equations, stoichiometry, gas laws, and thermodynamics. Important lab skills are obtained while students learn how to collect and interpret data using appropriate technology.

4410H HONORS CHEMISTRY

Grade 10-12

Co/Prerequisite(s): "B" or in Algebra II or Honors Algebra II

Credit: One (weighted + .5)

SOL: *End-of-Course Test required for students needing a verified Science credit*

Students will investigate and understand atomic structure, properties of matter, chemical equations, stoichiometry, and thermodynamics at an accelerated pace and with in-depth problem solving. Students will explore the fundamental laws, theories, and mathematical concepts of chemistry. Students are expected to use mathematical knowledge to solve various chemical problems and relate chemistry to what occurs outside the classroom.

4470 ADVANCED PLACEMENT CHEMISTRY

Grade 11-12

Prerequisite(s): "B" or better in Chemistry or Honors Chemistry AND Algebra II w/Trigonometry/
Algebra II

Credit: Two (weighted + 1)

AP Exam: Optional

Students will attain a depth of understanding of fundamentals and reasonable competence in dealing with chemical calculations and the mathematical formulation of principles of chemistry. Topics include: atomic structure, stoichiometry, thermodynamics, gas laws, kinetics, reactions in solutions, acid/base reactions, molecular geometry, dynamic equilibrium, and nuclear chemistry.

DE4701 DUAL CREDIT COLLEGE CHEMISTRY I/II

Grade 11 or 12

Prerequisite(s): "B" or better in Chemistry; Honors Chemistry recommended

Credits: Two lab science units (weighted + 1); 6 hours of college credit (upon successful completion) - students must meet the Virginia Placement Test (VPT) criteria for the PDCCC, or have taken the ACT, SAT or PSAT.

College Code: CHM 111 and CHM 112 (to be taken on PDCCC campus).

Students will improve and expand laboratory techniques including collection and interpretation of data and using appropriate technology.

FINE AND PERFORMING ARTS COURSES

Visual Arts

ART: Courses fulfill the Fine Arts requirement for graduation.

9120	ART I
Grades	9-12
Prerequisite(s):	None
Credit:	One

Students will be introduced to the visual arts with a concentration in drawing. The students will be taught the basics of graphics, sculpture, ceramics, design, calligraphy, and art history. With this variety, students will understand the choices that exist in the art world. (This course contains sexually explicit content as part of the curriculum.)

Sequential Elective Course: Art II (9130), Art: Drawing I (05156G1012), Art: Painting I (05157G1012)

9130	ART II
Grades	10-12
Prerequisite(s):	Art I
Credit:	One

Students will continue the work begun in Art I with a greater concentration on the dimensional. Students in this course will be required to explore their individuality and concentrate on building self-confidence to make decisions. Students will continue exploring culture and history through the study of art history. (This course contains sexually explicit content as part of the curriculum.)

Sequential Elective Course: Art III (9140)

9140	ART III
Grades	11-12
Prerequisite(s):	Art II
Credit:	One

Students will continue the media of Art I and II but with the approach and variety dictated by the student. At this level the students will be expected to use the acquired working knowledge of subject and media to explore the manipulation of these in his/her individuality. (This course contains sexually explicit content as part of the curriculum.)

Sequential Elective Course: Art IV (9145)

9145	ART IV
Grade	12
Prerequisite(s):	Art III
Credit:	One

During Art IV, students will explore, in depth, each of the disciplines and will be introduced to serigraph as a new media. Students in this course will explore individual styles with an emphasis on creative exploration of subject and media, concentrate on research in art history, and explore careers in the arts. Students will develop a portfolio of work produced over their course of study. (This course contains sexually explicit content as part of the curriculum.)

05156G1012 **ART: DRAWING I**
Grade 10-12
Prerequisite(s): Art I
Credit: One

Students will participate in creative and experimental approaches to drawing. They will explore various drawing techniques with media such as pencil, charcoal, pastels, pen, and conté crayon. Emphasis will be placed on design principles. (This course contains sexually explicit content as part of the curriculum.) **Sequential Elective Course:** Art I (9120)

05157G1012 **ART: PAINTING I**
Grade 10-12
Prerequisite(s): Art I
Credit: One

This course is designed to have students participate in a creative and practical approach to painting. Students are given the opportunity to explore various styles of painting. Students learn basic painting techniques relative to watercolor, tempera, acrylic, and gouache media. Emphasis is placed on the use of design principles. The completion of Drawing prior to this course may be helpful, but is not required. (This course contains sexually explicit content as part of the curriculum.) **Sequential Elective Course:** Art I (9120)

05152G0912 **ART HISTORY**
Grade 9-12
Prerequisite(s): None
Credit: One

Students will study the history and cultural relevance of art and works thereof, in order to discuss and understand their cultural impact. Students use creative processes to communicate ideas and personal life experiences. Students explore the cultural and historical perspectives that influence the development of artwork in a variety of time periods and places. They identify and explore technological developments and new media in the visual arts. The student will understand historical and cultural influences of art. Students will explore works from diverse artists (including diversity of ability, ethnicity, race, and gender) and works of historical and contemporary art movements. (This course contains sexually explicit content as part of the curriculum.)

9171 **DUAL CREDIT HISTORY AND APPRECIATION OF ART (I and II)**
Grade 11 or 12
Prerequisite(s): Open to all students with interest in art history – students must meet Virginia Placement Test (VPT) criteria for the PDCCC, or have taken the ACT, SAT or PSAT.
Credit: One (weighted +1)
Course Code: ART 101 and ART 102 – meet PDCCC Compass criteria (to be taken on PDCCC campus)

The students will explore the history and interpretation of architecture, sculpture, and painting. The course begins with prehistoric art and follows the development of western civilization to the present.

Music

MUSIC: Courses fulfill the Fine Arts requirement for graduation.

05108G091212 GUITAR I

Grades 9-12
Prerequisite(s): None
Credit: One (1)

Guitar I allows students to develop technical and expressive skills with the guitar in individual and ensemble performance. Guitar I integrates aspects of melody, harmony, rhythm, form, and composition. Students apply music skills to create and notate original work. Music literacy skills are emphasized as students read, notate, and perform music. Students use critical thinking to respond to, describe, interpret, and evaluate works of music as performers and listeners. They describe career options in music and investigate how innovative tools and new media impact the music field. Opportunities are provided for students to participate in local, district, and regional music events as appropriate to level, ability, and interest.

Sequential Elective Course: Intermediate Band (9233), Advanced Band (9234), Small Instrumental Ensemble (9250)

05108G091222 GUITAR II

Grades 9-12
Prerequisite(s): Guitar I or permission of instructor
Credit: One (1)

Guitar II allows students to continue to develop technical and expressive skills with the guitar in individual and ensemble performance. Guitar II further integrates aspects of melody, harmony, rhythm, form, and composition. Students apply music skills to create and notate original work. Music literacy skills are emphasized as students read, notate, and perform music. Students use critical thinking to respond to, describe, interpret, and evaluate works of music as performers and listeners. They describe career options in music and investigate how innovative tools and new media impact the music field. Opportunities are provided for students to participate in local, district, and regional music events as appropriate to level, ability, and interest.

Sequential Elective Course: Intermediate Band (9233), Advanced Band (9234), Small Instrumental Ensemble (9250)

9232 BEGINNING BAND

Grades 9-12
Prerequisite(s): None
Credit: One (1)

Students will explore instruction for first-year musicians on woodwind, brass, or percussion instruments. Performance is required.

Sequential Elective Course: Intermediate Band (9233), Advanced Band (9234), Small Instrumental Ensemble (9250)

9233 INTERMEDIATE BAND

Grades 9-12
Prerequisite(s): Beginning band or private instruction on wind or percussion instruments
Credit: One (1)

Grades 9-12
Prerequisite(s): Middle school string class, private study, or audition
Credit: One (1)

Students will further techniques in orchestral string instruments (violin, viola, cello, string bass) and move into advanced skills. The class will become a performing ensemble encompassing a variety of musical styles for public concerts, district festivals, and other regional string activities. Performance is required.

Sequential Elective Course: Advanced Orchestra (9239), Small Instrumental Ensemble (9250)

9239 ADVANCED ORCHESTRA

Grades 9-12
Prerequisite(s): Intermediate orchestra, private study, or audition
Credit: One (1)

Students will further techniques in orchestral string instruments (violin, viola, cello, string bass) and move into advanced skills. The class will become a performing ensemble encompassing a variety of musical styles for public concerts, district festivals, and other regional string activities. Performance is required.

Sequential Elective Course: Small Instrumental Ensemble (9250)

9250 SMALL INSTRUMENTAL ENSEMBLE

Grades 9-12
Prerequisite(s): Beginning band, orchestra, private instruction on a strings, wind, or percussion instrument, or permission of the instructor.
Credit: One (1)

Students will explore instrumental music in depth. Emphasis is placed on advanced playing techniques and terminology. Performance is required.

9260 BEGINNER CHORUS

Grades 9-12
Prerequisite(s): None
Credit: One (1)

Beginning chorus is designed for students experiencing their first vocal/choral class. The course emphasizes fundamental vocal development, traditional notation, and the introduction to ensemble singing. Opportunities are provided for students to explore the relationship between music and the other fine arts and between music and disciplines outside the arts. Additionally, students will be introduced to the fundamentals of proper vocal production and its application to performance literature. They will be taught basic music theory. Students will be required to perform.

Sequential Elective Course: Intermediate Chorus (9285), Small Vocal Ensemble (9280), Advanced Chorus (9289)

9285 INTERMEDIATE CHORUS (MIXED CHORUS - UNSELECTED)

Grades 9-12
Prerequisite(s): Beginner Chorus or Audition
Credit: One (1)

Theatre Arts

THEATRE: Courses fulfill the Fine Arts requirement for graduation

1410	THEATRE I
Grades	9-12
Prerequisite(s):	None
Credit:	One (1) Fine Arts elective

Students will study theater history, stage terminology and positions, and character analysis. Students will evaluate and present dramatic productions and oral and interpretive readings (monologues, storytelling, and children's theater). Eligible students will participate in Virginia High School League (VHSL) Theater Festivals, and attend local and professional theatrical productions. Students will learn about all performing venues. (A 2.0 GPA is required to participate in VHSL events).

Sequential Elective Course: Theatre II (1420), Theatre III (1423), Theatre IV (1426)

05055G1012	ADVANCED ACTING
Grades	10-12
Prerequisite(s):	Theatre I
Credit:	One (1) Fine Arts elective

Students will make use of and build upon the concepts learned and skills acquired in Theatre Arts I. Students, through research, performance, and evaluation, develop artistic criteria that are applied to performing. They will study and respond to a variety of theatrical experiences, showcasing and applying their collaborative, analytical, interpretive, and problem-solving skills. They will continue to cultivate and refine their artistic abilities and appreciation of theatre arts. Emphasis is placed on performance, skills development, and script interpretation. Performances are required.

Sequential Elective Course: Theatre I (1410), Theatre III (1423), Theatre IV (1426)

05061G1012	DIRECTING AND ADVANCED THEATRE STUDIES
Grades	10-12
Prerequisite(s):	Theatre I
Credit:	One (1) Fine Arts elective

Students will refine concepts learned in Theatre I, through research and inquiry of theatre topics of personal interest, students develop and refine creative choices for performance, production, and direction. They study and respond to a variety of theatrical experiences, applying their critical thinking skills. Students develop and showcase leadership skills involving communication, problem solving, and collaboration to achieve unified productions. Performance/production is required.

Sequential Elective Course: Theatre I (1410), Theatre III (1423), Theatre IV (1426)

1420	THEATRE II
Grades	10-12
Prerequisite(s):	Theatre I
Credit:	One (1) Fine Arts elective

Students build on basic drama skills developed in Theater Arts I by taking a more hands-on approach to producing and evaluating dramatic productions. The students will continue to develop skills in costuming, applying makeup, operating stage equipment, and producing scenery. Eligible students will participate in Virginia High School

League (VHSL) Theater Festivals, and attend local and professional theatrical productions. Students will learn about all performing venues. (A 2.0 GPA is required to participate in VHSL events).

Sequential Elective Course: Theatre I (1410), Theatre III (1423), Theatre IV (1426)

1423	THEATRE III
Grades	10-12
Prerequisite(s):	Theatre II
Credit:	One (1) Fine Arts elective

Students assimilate and build upon concepts learned and skills acquired in Theatre Arts II. Through various types of performance, students investigate acting styles and explore the specific process of playwriting, which includes research, character development, and the creation of dramatic structure, conflict, and resolution. Students study and respond to a variety of theatrical experiences that refine their collaborative, analytical, interpretive, and problem-solving skills. They continue to cultivate and refine artistic abilities and appreciation of theatre arts. (A 2.0 GPA is required to participate in VHSL events).

Sequential Elective Course: Theatre I (1410), Theatre II (1420), Theatre IV (1426)

1426	THEATRE IV
Grades	11-12
Prerequisite(s):	Theatre III
Credit:	One (1) Fine Arts elective

Students, through research, performance, and evaluation, develop artistic criteria that are applied to performing and directing. They study and respond to a variety of theatrical experiences, showcasing and applying their collaborative, analytical, interpretive, and problem-solving skills. **Sequential Elective Course:** Theatre I (1410), Theatre II (1420), Theatre III (1423)

ADDITIONAL ELECTIVE COURSES

Service Learning

9828	SERVICE LEARNING
Grades	11-12
Prerequisite(s):	None
Credit:	One (1)

Service Learning is a course whose purpose is to develop an appreciation of the concept of service to the community and to develop skills necessary to evaluate the impact of service to others. Students learn to work with others and solve problems, thereby developing leadership and teamwork skills. The class will have discussions with public officials and community leaders. Students must complete a service learning project as part of the class curriculum. They reflect on their experiences, maintain a portfolio, and participate in individual and group projects as class requirements. **NOTE: This course meets the service learning local requirement for graduation.**

Military Science

AF7913	MILITARY SCIENCE—AIR FORCE JUNIOR ROTC I
Grades:	9-12
Prerequisites:	None
Credit:	One

Industry Credential Available: Armed Services Vocational Aptitude Battery Examination (ASVAB)

The Air Force Junior ROTC I course includes leadership education, aerospace science, and wellness. The leadership education component is 40 percent of this course. It consists of the heritage, organization, and traditions of the US Air Force. Leadership education focuses on citizenship and proper wear of the Air Force uniform, including weekly inspections. Students will also learn the basics of military drills through written exercises and hands-on performance activities. The aerospace science component is also 40 percent of the ROTC I course. It consists of a study of the history of aviation, from man's earliest attempts to fly to modern aviation. Examples include lessons on the Wright Brothers' first flight and how air power was crucial in the outcomes of World Wars I and II. Wellness makes up the final 20 percent of this course. The health and wellness portion of the curriculum includes physical fitness testing and other physical training activities.

Concentration/Specialization Sequences

AFJROTC I and a combination of one or more of the following 36-week courses, equivalent to a total of two 36-week courses:

- JROTC II (AF7916)
- JROTC III (AF7918)
- JROTC IV (AF7919)

Students wishing to complete a specialization may take additional courses appropriate to their career pathways.

AF7916	MILITARY SCIENCE—AIR FORCE JUNIOR ROTC II
Grades:	10-12
Prerequisites:	AFJROTC I
Credit:	One

Industry Credential Available: Armed Services Vocational Aptitude Battery Examination (ASVAB)

Students will continue the AFJROTC instructional curriculum of leadership education (40%), aerospace science (40%), and wellness (20%). The leadership education portion includes communication and personal development, building personal awareness, understanding groups and teams, and preparing for leadership. Students continue to build military drill skills by focusing on more advanced exercises and sequences. Proper uniform wear is emphasized during weekly inspections. The aerospace science component is based on the science of flight. This includes the principles of flight, physics of flight, principles of navigation, and how the atmosphere and weather impact flight, and how flight impacts the human body. The health and wellness portion of the curriculum includes physical fitness testing and other physical training activities.

Concentration/Specialization Sequences

AFJROTC II and a combination of one or more of the following 36-week courses, equivalent to a total of two 36-week courses:

- AFJROTC I (AF7913)
- AFJROTC III (AF7918) AFJROTC IV (AF7919)

Students wishing to complete a specialization may take additional courses appropriate to their career pathways.

AF7918	MILITARY SCIENCE—AIR FORCE JUNIOR ROTC III
Grades:	11-12
Prerequisite:	AFJROTC II
Credit:	One (1)

Industry Credential Available: Armed Services Vocational Aptitude Battery Examination (ASVAB)

Students will continue the AFJROTC instructional curriculum of leadership education (40%), aerospace science (40%), and wellness (20%). The leadership education portion includes the following study areas: personal financial responsibility, career opportunities, obtaining a college degree, obtaining a job, developing career skills, and civic responsibilities. Students continue to build military drill skills by focusing on more advanced exercises and sequences. Proper uniform wear is emphasized during weekly inspections. The aerospace science component is based on a study of space. This includes the history of astronomy, exploration of space, manned and unmanned spaceflight, space technology, and commercial use of space. The health and wellness portion of the curriculum includes physical fitness testing and other physical training activities.

Concentration/Specialization Sequences

AFJROTC III and a combination of one or more of the following 36-week courses, equivalent to a total of two 36-week courses:

- AFJROTC I (AF7913)
- AFJROTC II (AF7916)
- AFJROTC IV (AF7919)

Students wishing to complete a specialization may take additional courses appropriate to their career pathways.

AF7919	MILITARY SCIENCE—AIR FORCE JUNIOR ROTC IV
Grade:	12
Prerequisite:	AFJROTC III
Credit:	One (1)

Industry Credential Available: Armed Services Vocational Aptitude Battery Examination (ASVAB)

Students will continue the AFJROTC instructional curriculum of leadership education (40%), aerospace science (40%), and wellness (20%). The leadership education portion is focused on the principles of management. It includes management theories, planning, decision making, organizing, group behavior, and leadership. Students continue to build military drill skills by focusing on more advanced exercises and sequences. Proper uniform wear is emphasized during weekly inspections. The aerospace science component includes a study of survival where students learn about skills and attitudes necessary to perform survival basics. Students will also perform cadet corps management tasks that put theories of the previous ROTC courses into practice. Students plan, organize, and direct a variety of activities using their communication, decision-making, and leadership skills. The health and wellness portion of the curriculum includes physical fitness testing and other physical training activities.

Concentration/Specialization Sequences

AFJROTC IV and a combination of one or more of the following 36-week courses, equivalent to a total of two 36-week courses:

- AFJROTC I (AF7913)
- AFJROTC II (AF7916)
- AFJROTC III (AF7918)

Students wishing to complete a specialization may take additional courses appropriate to their career pathways.

CAREER AND TECHNICAL EDUCATION COURSES

Career and Technical Education Program

Career and Technical Education courses prepare students for productive futures while meeting the Commonwealth's need for well-trained and industry-certified technical workers.

High School Career and Technical Education courses satisfy the requirement for Fine Arts or Practical Arts credit.

Suffolk Public Schools acknowledges the importance of career and technical education to students through diploma seals awarded by the State Board of Education and by recognizing industry credentialing in its diploma requirements.

CTE Sequences

Two Sequential Electives

Effective July 1, 2011, the *Standards of Quality* states, "The requirements for a standard high school diploma shall, however, include at least two sequential electives chosen from a concentration of courses selected from a variety of options that may be planned to ensure the completion of a focused sequence of elective courses. Students may take such focused sequences of elective courses in consecutive years or any two years of high school. Such focused sequence of elective courses shall provide a foundation for further education or training or preparation for employment."

Concentration Sequences

A concentration is a coherent sequence of courses as identified in the course listings within this document.

Specialization

A specialization is a choice by a student to specialize in a career by taking additional courses in a specific career pathway as appropriate to his/her career cluster.

Completer

A career and technical education completer is a student who has met the requirements for a career and technical concentration sequence and all requirements for high school graduation, or an approved alternative education program. Students may take additional career and technical education courses that will enhance their career pathway goals.

Industry Credentialing

Certifications/Licenses/Assessments

Completion of certain courses enables students to earn an industry certification, a state license, and/or a national certification from a recognized industry, trade, or professional association. These credentials are beneficial (and sometimes essential) to students seeking employment in a career field or occupational specialty. In addition, students who obtain these credentials are eligible to earn verified credits toward graduation. Students enrolled in industry credentialing CTE courses are required to take the assigned assessment. Industry Certifications are subject to change based on the alignment of specific program-based competencies.

Student-Selected Verified Credit

Students interested in the student-selected verified credit option should discuss the option with their high school counselor. Student-selected verified credit will be awarded for passing each certification or licensure examination that meets all of the following criteria:

- Industry certification or licensure examinations that are approved to satisfy the requirements for the Board of Education's Career and Technical Education Seal or the Board of Education's Seal of Advanced Mathematics and Technology.
- The teacher and/or the CTE program must be certified by the issuing organization relative to the industry certification or license.
- A standard credit may not be verified more than once.

Standards of Learning (SOL)

All career and technical education courses require strong academic skills. Virginia's academic standards in English, mathematics, science, and history/social science are reinforced in career and technical education classes through real-world applications.

Graduation Requirements Associated With CTE

All students who entered the ninth grade for the first time in 2011-2012 and beyond shall earn one (1) standard credit in Economics and Personal Finance in fulfillment of the graduation requirement for the Standard and Advanced Studies diplomas. The one (1) standard credit earned for the Economics and Personal Finance course (6120) shall count only once towards graduation requirements.

All students who entered the ninth grade for the first time in 2013-2014 and prior to the 2018-2019 school year earned a Virginia Department of Education approved Career and Technical Education (CTE) credential to graduate from a Virginia high school with a standard diploma.

In accordance with the Standards of Quality beginning with first-time ninth grade students in 2018-2019, graduation requirements shall include a requirement that students either (i) complete an Advanced Placement, honors, or International Baccalaureate course or (ii) earn a [career and technical education credential](#) that has been approved by the Board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to earn credit, to satisfy the standard diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness skills assessment.

Agriculture, Food & Natural Resources

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

Through participation in the [Virginia Future Farmers of America \(FFA\) Organization](#) and/or the [Virginia Health Occupations Students of America \(HOSA\)](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Options

- Agribusiness Systems
- Animal Systems

8022 AGRICULTURAL BUSINESS FUNDAMENTALS I

Grades: 10-12

Prerequisite: Foundations of Agriculture, Food, and Natural Resources (8006) or Introduction to Animal Systems (8008)

Credit: One (1)

Industry Credential: Workplace Readiness Skills for the Commonwealth

Students develop the necessary knowledge, skills, habits, and attitudes for employment in agricultural businesses. Emphasis is placed on personal financial management practices, consumer choices, financial records, business structures and procedures, and the economics of marketing agricultural products and services.

Concentration/Specialization Sequences

Agricultural Business Fundamentals I (8022) and one of the following 36-week courses:

- Agricultural Business Operations II (8024)
- Foundations of Agriculture, Food, and Natural Resources (8006)
- Veterinary Science II (8089)

8024 AGRICULTURE BUSINESS OPERATIONS II

Grades: 11-12

Prerequisite: Agricultural Business Fundamentals I (8022)

Credit: One (1)

Industry Credential: Workplace Readiness Skills for the Commonwealth

This course builds upon knowledge gained in Agricultural Business Fundamentals (8022) and emphasizes agricultural occupations, business procedures, merchandising, marketing, agricultural business management, and emerging or niche markets. Students will learn agricultural product knowledge, agricultural service industry knowledge, and leadership development.

Concentration/Specialization Sequences

Agricultural Business Operations II (8024) and the following 36-week course:

- Agricultural Business Fundamentals I (8022)

8006 FOUNDATIONS OF AGRICULTURE, FOOD, and NATURAL RESOURCES

Grades: 09-10

Prerequisites: None

Credit: One (1)

This course develops a foundation in each of the career pathways in agriculture, food, and natural resources (AFNR), including the global scope of agriculture; concepts in plant, animal, and food science; natural resources and environmental systems; agricultural skills and safety in power, structural, and technical systems; and agribusiness.

Concentration/Specialization Sequences

Foundations of Agriculture, Food and Natural Resources (8006) and one of the following 36-week courses:

- Agricultural Business Fundamentals I (8022)
- Introduction to Animal Systems (8008)

8008 INTRODUCTION TO ANIMAL SYSTEMS

Grades: 09-10
 Prerequisites: None
 Credit: One (1)

Industry Credential : NOCTI Animal Systems

Students develop competencies in each of the major areas of the Animal Systems career pathway including animal nutrition, reproduction, breeding, care, and management. Students learn agricultural mechanics applicable to animal systems. As with all agriculture courses, students will be exposed to principles of leadership and opportunities within student organizations along with Supervised Agricultural Experience opportunities.

Concentration/Specialization Sequences

Introduction to Animal Systems (8008) and one of the following 36-week courses:

- Agricultural Business Fundamentals I (8022)
- Foundations of Agriculture, Food, and Natural Resources (8006)
- Veterinary Science I (8088)

8088 VETERINARY SCIENCE I (Classes Held at CCAP)

Grades: 11-12
 Prerequisite(s): Introduction to Health and Medical Sciences (8302) (recommended)
 Credits: One and a half (1.5); *1st semester of a one-year program*

Veterinary Science I prepares students for postsecondary education and/or careers in veterinary medicine or related fields. Students develop their skills in anatomy, nutrition, medical terminology, sanitation, clinical exams, and handling animals. Live animal handling may occur. Course content also includes facility maintenance, and office functions, as well as safety practices. The National FFA Organization, Supervised Agricultural Experience (SAE), or related student organization activities are encouraged.

Concentration/Specialization Sequences

Veterinary Science I (8088) and one of the following 36-week courses:

- Agricultural Business Fundamentals I (8022)
- Introduction to Animal Systems (8008)
- Veterinary Science II (8089)

8089 VETERINARY SCIENCE II (Classes Held at CCAP)

Grades: 11-12
 Prerequisite(s): Veterinary Science I (8088)
 Credits: One and a half (1.5); *2nd semester of a one-year program*

Industry Credential: NOCTI Small Animal Science & Technology Assessment

Veterinary Science II students expand their knowledge of animal science and the care of animals, including animal structure and function, microbes and disease prevention, parasitology, and genetics and breeding. Students develop more advanced skills and techniques for assisting the veterinarian/technician in the following areas: performing first aid and surgery, applying aseptic techniques, performing technical functions, administering medication, handling death and dying, working with wildlife, and performing office functions. On-the-job clinical instruction coordinated by the instructor may be included in veterinary offices or animal clinics.

Concentration/Specialization Sequences

Veterinary Science II (8089) and one of the following 36-week courses:

- Agricultural Business Fundamentals I (8022)
- Veterinary Science I (8088)

8616 **UTILITY/HEAVY CONSTRUCTION I** (*Classes Held at CCAP*)
Grades: 11-12
Credits One and a half (1.5); *1st semester of a one-year program*

The Utility/Heavy Construction I program provides both the knowledge and the hands-on skills needed to secure a job as a construction equipment operator. Students learn about safety, site grading and development, excavation, drainage and utility structures, pipe laying, and other topics.

Concentration/Specialization Sequences

Utility/Heavy Construction I (8616) and the following 36-week course:

- Utility/Heavy Construction II (8617)

8617 **UTILITY/HEAVY CONSTRUCTION II** (*Classes Held at CCAP*)
Grades: 11-12
Prerequisite(s): Utility/Heavy Construction I (8616)
Credits: One and a half (1.5); *2nd semester of a one-year program*
Industry Credential: [Heavy Equipment Operations Level One Assessment](#)

The Utility/Heavy Construction II program provides the knowledge and the hands-on skills needed to secure a job as a construction equipment operator. Students learn about site grading and development, excavation, drainage and utility structures, pipe laying, and other topics. They study soil, learn to read blueprints and gain experience in operating bulldozers, backhoes, front-end loaders, excavators, and skid steers.

Concentration/Specialization Sequences

Utility/Heavy Construction II (8617) and the following 36-week course:

- Utility/Heavy Construction I (8616)

Arts, Audio/Video Technology and Communications

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

Through participation in the [Technology Student Association \(TSA\)](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Options

- Printing Technology
- Visual Arts

8415 COMMUNICATION SYSTEMS

Grades: 09-12
Prerequisite(s): None
Credit: One (1)

Communication Systems provides experiences in the fields of imaging technology, graphic productions, video and media, technical design, and various modes of communicating information through the use of data. Students develop critical thinking and problem-solving skills using the universal systems model. Students also learn about the impact of communication on society and potential career fields relating to communications.

Concentration/Specialization Sequences

Communication Systems (8415) and one of the following 36-week courses:

- Digital Visualization (8459)
- Technical Drawing and Design (8435)
- Graphic Communications Systems (8458)

8459 DIGITAL VISUALIZATION

Grades: 10-12
Prerequisite(s): Communication Systems (8415) or Technical Drawing and Design (8435) or Introduction to Engineering Design PLTW (8439) (recommended)
Credit: One (1)

Industry Credential: Workplace Readiness Skills for the Commonwealth

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

Concentration/Specialization Sequences

Digital Visualization (8459) and one of the following 36-week courses:

- Architectural Drawing and Design (8437)
- Introduction to Engineering Design PLTW (8439)
- Communication Systems (8415)
- Technical Drawing and Design (8435)
- Engineering Drawing and Design (8436)
- Graphic Communications Systems (8458)

8400 GAME DESIGN AND DEVELOPMENT (*Classes Held at CCAP*)

Grades: 10-12
Prerequisites: None
Credits: Three (3); 1st semester of a year one of a two-year program

Game Design and Development students will create innovative games through the application of graphic design, animation, audio, and writing skills. Students will work in teams while developing program-solving, critical thinking, and effective communication skills. They will analyze, design, prototype, and critique interactive games

within a project management environment. Career opportunities across multiple industries, including the entertainment and educational arenas, will be explored.

Concentration/Specialization Sequences

Game Design and Development (8400) and the following 36-week course:

- Game Design and Development, Advanced (8401)

8401 GAME DESIGN AND DEVELOPMENT, ADVANCED (*Classes Held at CCAP*)

Grades: 11-12
Prerequisite(s): Game Design and Development (8400)
Credits: Three (3); *2nd year of a two-year program*
Industry Credential: Unity Certified Associate

Game Design and Development, Advanced students will work collaboratively in teams to refine their game design skills as they apply graphic design, animation, audio and writing skills to create innovative games for education and entertainment. This project-based course enhances problem-solving, project management, and communication skills through the analysis, design, construction, and critique of interactive games. Students will learn about career opportunities in game design and development and investigate the training and certification requirements.

Concentration/Specialization Sequences

Game Design and Development, Advanced (8401) and the following 36-week course:

- Game Design and Development (8400)

8458 GRAPHIC COMMUNICATIONS SYSTEMS

Grades: 10-12
Prerequisite(s): Communication Systems or Technical Drawing and Design (recommended)
Credit: One (1)
Industry Credential: Adobe Certified Professional Examinations

This course provides experiences related to a wide range of tools and materials used to reproduce information and images. Several mediums are used, including paper, metal, plastic, and fabric. Students develop competencies in message design, composition and assembly, and message transfer and product conversion.

Concentration/Specialization Sequences

Graphic Communication Systems (8458) and one of the following 36-week courses:

- Communication Systems (8415)
- Digital Visualization (8459)

8248 INTRODUCTION TO FASHION CAREERS

Grades: 09-12
Prerequisite: None
Credit: One (1)

Introduction to Fashion Careers focus on identifying and exploring the individual careers within the apparel, accessory, and textile design, manufacturing, and merchandising industry. Units of study include the relationships that exist among all areas of the clothing industry; related global and economic issues; apparel, accessory, and textile technology; exploration of careers, including entrepreneurial opportunities in related areas; and the skills and personal characteristics necessary for success in careers in the apparel, accessory, and textile design, manufacturing, and marketing industry.

Concentration/Specialization Sequences

Introduction to Fashion Careers (8248) and one of the following 36-week courses:

- Digital and Social Media Marketing (8125)
- Entrepreneurship (9093)
- Fashion Marketing (8140)
- Independent Living (8219)
- Marketing (8120)
- Strategic Marketing (8130)

Business Management and Administration

Careers that encompass planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations—in every sector of the economy

Through participation in the [Future Business Leaders of America, Inc. \(FBLA\)](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Options:

- Administrative Support
- Business Information Management
- General Management

6131 BUSINESS LAW
Grades: 10-12
Prerequisite(s): None
Credit: One (1); Two (2) with Cooperative Education
Industry Credential: Workplace Readiness Skills for the Commonwealth

Students examine the foundations of the American legal system and learn the rights and responsibilities of citizens. Students gain practical knowledge and life skills by exploring economic and social concepts related to laws governing business and individuals. Focus areas include contracts, consumer protection, criminal law, tort law, international law, family/domestic law, employment law, cyber law, and careers in the legal profession. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

Concentration/Specialization Sequences

Business Law (6131) and one of the following 36-week courses:

- Accounting (6320)
- Advanced Accounting (6321)
- Business Management (6135)
- Computer Information Systems (6612)
- Digital Applications (6611)
- Medical Administration (6730)

6135 BUSINESS MANAGEMENT
Grades: 10-12
Prerequisite(s): None
Credit: One (1); Two (2) with Cooperative Education
Industry Credential: NOCTI Business Financial Management Assessment

Students study basic management concepts and leadership styles as they explore business ownership, planning, operations, marketing, finance, economics, communications, the global marketplace, and human relations. Quality concepts, project management, problem solving, and ethical decision making are an integral part of the course. Students may enhance leadership skills by participating in school-based or virtual enterprises, job shadowing, internships, apprenticeships, cooperative education, and/or the Future Business Leaders of America (FBLA).

Concentration/Specialization Sequences

Business Management (6135) and one of the following 36-week courses:

- Accounting (6320)
- Advanced Accounting (6321)
- Business Law (6131)
- Computer Information Systems (6612)
- Digital Applications (6611)
- Entrepreneurship (9093)
- Marketing (8120)
- Medical Administration (6730)

COOPERATIVE EDUCATION

Grades: 9-12
Requirement: Current enrollment in a **Business occupational course**

Credit: One (1)

Cooperative Education is a career preparation method that combines CTE classroom instruction with paid employment that is directly related to the student's plan of study. The school and the employer plan, coordinate, and supervise the instruction and employment so that each contributes directly to the student's career objectives and employability. Students may earn credit toward graduation for cooperative education experiences, and they normally work between 11 and 15 hours per week to achieve the required minimum of 280 hours to receive one credit. Students should discuss the availability of this program with their high school counselor.

9093 ENTREPRENEURSHIP

Grades: 09-12

Prerequisite(s): None

Credit: One (1); Two (2) with Cooperative Education

Industry Credential: Customer Service and Sales Certification Assessment

Entrepreneurship will introduce 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 a successful operation.

Concentration/Specialization Sequences

Entrepreneurship (9093) and one of the following 36-week courses:

- Accounting (6320)
- Advanced Accounting (6321)
- Business Management (6135)
- Computer Information Systems (6612)
- Digital and Social Media Marketing (8125)
- Fashion Marketing (8140)
- Introduction to Fashion Careers (8248)
- Marketing (8120)
- Strategic Marketing (8130)

6730 MEDICAL ADMINISTRATION

Grades: 11-12

Prerequisite(s): Digital Applications (6611) (recommended)

Credit: One (1); Two (2) with Cooperative Education

Industry Credential: NOCTI Health Informatics Assessment

Students wishing to gain employment in the healthcare field may take this course to learn how to use medical technology and apply administrative procedures necessary to be productive employees in a health care environment. Students will learn how to manage office activities, enhance communication skills, identify legal and ethical issues in healthcare practices, manage financial functions, and enhance employability skills.

Concentration/Specialization Sequence

Medical Administration (6730) and one of the following 36-week courses:

- Accounting (6320)
- Advanced Accounting (6321)
- Business Law (6131)
- Business Management (6135)
- Computer Information Systems (6612)
- Digital Applications (6611)
- Introduction to Health and Medical Sciences (8302)

Education and Training

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

Through participation in the [Educators Rising](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Option:

- Teaching and Training

COOPERATIVE EDUCATION

Grades: 09-12
Requirement: Current enrollment in **Selected Education and Training Courses**
Credit: One (1)

Cooperative Education is a career preparation method that combines CTE classroom instruction with paid employment that is directly related to the student's plan of study. The school and the employer plan, coordinate, and supervise the instruction and employment so that each contributes directly to the student's career objectives and employability. Students may earn credit toward graduation for cooperative education experiences, and they normally work between 11 and 15 hours per week to achieve the required minimum of 280 hours to receive one credit. Students should discuss the availability of this program with their high school counselor.

8285 Early Childhood, Education, and Services I (*Classes Held at CCAP*)

Dual Credit: Offered jointly with Camp Community College
Grades: 11-12
Prerequisite: 2.0 GPA Required
Credits: Three (3); 10 hours of college credit; *1st year of a two-year program*

Early Childhood, Education and Services I students prepare to be primary providers of home-, family-, or institution-based childcare services by focusing on the planning, organizing, and conducting of meaningful play and learning activities; child monitoring and supervision; recordkeeping and referral procedures; and work-based learning experiences in on-site labs, local daycare centers, elementary schools, and other institutions under the supervision of the instructor. Students also prepare for continuing education leading to careers in early childhood fields (e.g., medical, social services, education).

Concentration/Specialization Sequences

Early Childhood, Education, and Services I (8285) and one of the following 36-week courses:

- Early Childhood, Education, and Services II (8286)
- Independent Living (8219)
- Nutrition and Wellness (8229)
- Virginia Teachers for Tomorrow I (9062)
- Virginia Teachers for Tomorrow II (9072)

8286 EARLY CHILDHOOD, EDUCATION, AND SERVICES II (*Classes Held at CCAP*)

Dual Credit: Offered jointly with Camp Community College
Grades: 11-12
Prerequisites: Early Childhood, Education, and Services I (8285) and 2.0 GPA Required
Credits: Three (3); 12 hours of college credit; *2nd year of a two-year program*

Industry Credential: NOCTI Early Childhood Education and Care-Basic

Early Childhood, Education and Services II students focus on occupational skills needed by personnel employed in early childhood-related careers, such as education, medical/health care, social services, counseling, psychology, and entrepreneurship. Work-based learning experiences in on-site labs, early childhood development centers, elementary schools, and other institutions under the supervision of the instructor are required.

Concentration/Specialization Sequences

Early Childhood, Education, and Services II (8286) and the following 36-week course:

- Early Childhood, Education, and Services I (8285)

9062	VIRGINIA TEACHERS FOR TOMORROW I
College Code:	SDV110, EDU100, and EDU190
Dual Credit:	Offered jointly with Camp Community College
Grades:	11-12
Prerequisite(s):	3.0 GPA derived from predominate college preparatory classes, strong interest in teaching and education, five (5) written teacher recommendations
Credit:	One (weighted +1); 6 hours of college credits upon successful completion

Virginia Teachers for Tomorrow (VTfT) fosters student interest, understanding, and appreciation of the teaching profession and allows secondary students to explore careers in education. Students build a foundation for teaching; learn the history, structure, and governance of teaching; apply professional teaching techniques in the VTfT classroom and field experience; and reflect on their teaching experiences. Additional educational leadership opportunities are offered through the student organization, Educators Rising.

Concentration/Specialization Sequences

Virginia Teachers for Tomorrow I (9062) and one of the following 36-week courses:

- Early Childhood, Education, and Services I (8285)
- Virginia Teachers for Tomorrow II (9072)

9072	VIRGINIA TEACHERS FOR TOMORROW II
College Code:	EDU198 and EDU199
Dual Credit:	Offered jointly with Camp Community College
Grade:	12
Prerequisite(s):	Virginia Teachers for Tomorrow I
Credit:	One (weighted +1); 6 hours of college credits upon successful completion

Students continue to explore careers in the Education and Training Cluster and pathways. This course provides the opportunity for students to prepare for careers in education as they research postsecondary options, learn about the process of teacher certification in Virginia, and participate in a practicum experience.

Concentration/Specialization Sequences

Virginia Teachers for Tomorrow II (9072) and the following 36-week course:

- Virginia Teachers for Tomorrow I (9062)

Finance

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

Through participation in the [Future Business Leaders of America, Inc. \(FBLA\)](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Option

- Business Finance

6320 ACCOUNTING

Grades: 10-12

Prerequisite(s): Digital Applications (6611) (recommended)

Credit: One (1); Two (2) with Cooperative Education

Industry Credential: NOCTI Accounting - Basic

Accounting students study the basic principles, concepts, and practices of the accounting cycle for a service business and a merchandising business. Topics covered include analyzing transactions, journalizing and posting entries, preparing payroll records and financial statements, and managing cash control systems. Business ethics and professional conduct are emphasized. Students learn fundamental accounting procedures, using both manual and electronic systems.

Concentration/Specialization Sequences

Accounting (6320) and one of the following 36-week courses, equivalent to a total of two 36-week courses:

- Advanced Accounting (6321)
- Business Law (6131)
- Business Management (6135)
- Computer Information Systems (6612)
- Digital Applications (6611)
- Entrepreneurship 9093)
- Medical Administration (6730)

6321 ADVANCED ACCOUNTING

Grades: 11-12

Prerequisite(s): Accounting (6320)

Credits: One (1); Two (2) with Cooperative Education

Industry Credential: Intuit QuickBooks Certified User Certification

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

Concentration/Specialization Sequences

Advanced Accounting (6321) and one of the following 36-week courses:

- Accounting (6320)
- Business Law (6131)
- Business Management (6135)
- Computer Information Systems (6612)
- Digital Applications (6611)
- Entrepreneurship (9093)
- Medical Administration (6730)

6120 ECONOMICS AND PERSONAL FINANCE

Grade: 10-12

Prerequisite(s): None

Credit: One (1); Two (2) with Cooperative Education

Industry Credential: W!SE Financial Literacy

Students learn how economies and markets operate and how the United States economy is interconnected with the global economy. Additionally, they learn how to navigate the financial decisions they must face and to make informed decisions relating to career exploration, budgeting, banking, credit, insurance, spending, financing post-secondary education, taxes, saving and investing, buying/leasing a vehicle, and living independently. They also learn the importance of investing in themselves in order to gain the knowledge and skills valued in the marketplace. 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.

Health Science

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

Through participation in the [Virginia Health Occupations Students of America \(HOSA\)](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Options:

- Therapeutic Services

8333 **EMERGENCY MEDICAL TECHNICIAN I** (*Classes Held at CCAP*)
Dual Credit: Offered jointly with Camp Community College
Grades: 10-12 (Must be 16 years old prior to the first day of EMT Instruction)
Prerequisite: 2.0 GPA Required; Introduction to Health and Medical Sciences (8302) (recommended)
Credits: One and a half (1.5); 5 hours of college credit; *1st semester of a one-year program*

The tasks for this course represent the National and Virginia Emergency Medical Services (EMS) Educational Standards. Students explore and apply the fundamentals of EMS, anatomy, physiology, and medical terminology while demonstrating skills in assessing and managing patient care, including assessing the scene and understanding shock, resuscitation, and trauma. Successful completion of this course and instructor endorsement qualifies students to enroll in EMT II to complete the program sequence. Students must complete a minimum of 85 percent of the didactic and lab aspects of the course, per 12VAC5-31-1501 in the Code of Virginia. Successful completion of all course requirements and instructor endorsement may lead to eligibility to take the Virginia State Psychomotor Exam and the National Registry of Emergency Medical Technicians (NREMT) cognitive exam. Students must meet the requirements of the Functional Position Description for the Basic Life Support Provider (refer to EMS.TR.14B and 12VAC5-31-1501 in the Code of Virginia). **Students must be at least 16 years old by the first day of the course offering. All students will need to undergo a criminal background check that includes fingerprinting and drug screening.**

8333 Emergency Medical Technician I and the following 36-week course:

- Emergency Medical Technician II (8334)

8334 **EMERGENCY MEDICAL TECHNICIAN II** (*Classes Held at CCAP*)
Dual Credit: Offered jointly with Camp Community College
Grades: 11-12
Prerequisite(s): Emergency Medical Technician I (8333) and 2.0 GPA Required
Credits: One and a half (1.5); 4 hours of college credit; *2nd semester of a one-year program*
Industry Credential: **NOCTI Emergency and Fire Management Services/Emergency Medical Technician**

The tasks for this course represent the National and Virginia Emergency Medical Services (EMS) Educational Standards. Students build on their knowledge and skills for providing basic life support by focusing on the areas of EMS operations, medical emergencies, and management of special patient populations. A supervised field experience that includes at least 10 patient contacts outside of school hours is required. Successful completion of this second course in the sequence will earn the student CTE complete status. Successful completion of all course requirements and instructor endorsement may lead to eligibility to take the Virginia State Psychomotor Exam and the National Registry of Emergency Medical Technicians (NREMT) cognitive exam. Students must meet the requirements of the Functional Position Description for the Basic Life Support Provider (refer to EMS.TR.14B and 12VAC5-31-1501 in the Code of Virginia). Students must complete a minimum of 85 percent of the didactic and lab aspects of the course, per 12VAC5-31-1501 in the Code of Virginia. **Students must be at least 16 years old by the first day of the course offering. All students will need to undergo a criminal background check that includes fingerprinting and drug screening.**

Concentration/Specialization Sequences

Emergency Medical Technician II (8334) and the following 36-week course:

- Emergency Medical Technician I (8333)

8302 INTRODUCTION TO HEALTH AND MEDICAL SCIENCES

Grades: 09-12
 Prerequisite(s): None
 Credit: One (1)

Industry Credential: Workplace Readiness Skills for the Commonwealth

Introduction to Health and Medical Sciences will introduce the students to a variety of healthcare careers and develop 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 healthcare terminology, anatomy and physiology for each body system, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of traumatic and medical emergency care. 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.

Concentration/Specialization Sequences

Introduction to Health and Medical Sciences (8302) and the following 36-week courses:

- Medical Administration (6730)

8345 MEDICAL ASSISTANT I (Classes Held at CCAP)

Grades: 11-12
 Prerequisite(s): Introduction to Health and Medical Sciences (8302) (recommended)
 Credits: Three (3); *1st year of a two-year program*

Medical Assistant I students will gain foundational knowledge in basic anatomy and physiology, medical ethics, medical asepsis, terminology, medical mathematics, and legal responsibilities. Students also develop basic skills and techniques to assist the healthcare provider and/or other medical professionals in patient examinations, basic emergency care, simple laboratory tests, and administrative duties. Additionally, students explore medical assisting career pathways through Health Occupations Student Association (HOSA) and potential on-the-job clinical instruction and/or observation in a healthcare facility.

Concentration/Specialization Sequences

Medical Assistant I (8345) and the following 36-week course:

- Medical Assistant II (8346)

8346 MEDICAL ASSISTANT II (Classes Held at CCAP)

Grades: 11-12
 Prerequisite(s): Medical Assistant I (8345)
 Credits: Three (3); *2nd year of a two-year program*

Industry Credential: NOCTI Medical Assisting

Medical Assistant II students will apply and implement medical-assisting skills and techniques learned in Medical Assistant I. They also learn management of health records; cardiopulmonary resuscitation; care and use of equipment; collection and analysis of laboratory specimens; special diagnostic testing related to basic diseases and disorders, treatment, and medication; and job preparedness skills. Advanced on-the-job clinical experience in a healthcare facility is a part of the course. Successful completion of the program may lead to employment in a healthcare setting and an industry credential.

Concentration/Specialization Sequences

Medical Assistant II (8346) and the following 36-week course:

- Medical Assistant I (8345)

8355 **NURSE AIDE I (CONDENSED)** (*Classes Held at CCAP*)
Grades: 11-12
Prerequisite(s): Introduction to Health and Medical Sciences (recommended)
Credits: One and a half (1.5); *1st semester of a one-year program*

Nurse Aide I Condensed, offered as an occupational preparation course beginning at the 11th-grade level, emphasizes the study of nursing occupations as related to the healthcare system. Students study normal growth and development, simple body structure and function, and medical terminology and are introduced to concepts of infection prevention and disease processes. They receive elementary skill training in patient-nurse aide relationships; measuring and recording of vital signs; cardiopulmonary resuscitation; and general care of the patient. Limited on-the-job instruction in nursing homes and other healthcare facilities is part of the course. This course can be used to prepare the student for Nurse Aide II Condensed so that all competencies for a certified nurse aide are met and as an introduction to careers in nursing, health professions, and STEM-H professions.

Concentration/Specialization Sequences

Nurse Aide I Condensed (8355) and the following 36-week course:

- Nurse Aide II Condensed (8356)

8356 **NURSE AIDE II (CONDENSED)** (*Classes Held at CCAP*)
Grades: 11-12
Prerequisite(s): Introduction to Health and Medical Sciences (recommended)
Credits: One and a half (1.5); *2nd semester of a one-year program*
Industry Credential: **NOCTI Nursing Assisting Assessment/VBON Certified Nurse Aide exam**

Nurse Aide II Condensed is an occupational preparation course, emphasizing advanced skill training in areas such as catheter care, range of motion, bowel and bladder training, care of the dying, selected procedures for maternal and infant care, and admission and discharge procedures. Students learn about diseases and body systems as related to advanced clinical care of the acute medical-surgical patient, the chronically ill, and the elderly. On-the-job instruction in a licensed nursing home is part of the course. Upon completion of the nurse aide program, the student is eligible to take the nurse aide certification exam that leads to employment as a certified nurse aide in hospitals and nursing homes.

Concentration/Specialization Sequences

Nurse Aide II Condensed (8356) and the following 36-week course:

- Nurse Aide I Condensed (8355)

Hospitality and Tourism

Encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events, and travel related services

Through participation in the [Family, Career and Community Leaders of America, Inc. \(FCCLA\)](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Option:

- Restaurant and Food/Beverage Services

8275 **CULINARY ARTS I** (*Classes Held at CCAP*)
Grades: 10-12
Credits: Three (3); *1st year of a two-year program*
Industry Credential: **NOCTI Culinary Arts Prep**

Culinary Arts I provide students with a foundational understanding of the food service industry and opportunities to build technical skills in food preparation and service. Students examine basic rules of kitchen safety and sanitation, purchasing and receiving, and fundamental nutrition. The curriculum incorporates math and science in culinary applications.

Concentration/Specialization Sequences

Culinary Arts I (8275) and one of the following 36-week courses:

- Culinary Arts II (8276)
- Nutrition and Wellness (8229)
- Independent Living (8219)

8276 CULINARY ARTS II (Classes Held at CCAP)

Grades: 11-12
Prerequisite(s): Culinary Arts I (8275)
Credits: Three (3); *2nd year of a two-year program*

Industry Credential: ServSafe

Culinary Arts II will continue to provide students a comprehensive knowledge of the food service industry while refining their technical skills. Students apply kitchen safety and sanitation, nutritional principles, and advanced food preparation techniques. Students complete work-based learning in venues such as the a la carte kitchen, the dining room, and catered functions.

Concentration/Specialization Sequences

Culinary Arts II (8276) and one of the following 36-week courses:

- Culinary Arts I (8275)
- Nutrition and Wellness (8229)
- Independent Living (8219)

8202 HOSPITALITY, TOURISM, AND RECREATION I

Grade: 10-12
Prerequisite(s): None
Credit: Two (Double-block classes)

Industry Credential: NOCTI Hospitality Management-Food and Beverage Assessment

Students will begin preparation for employment in hospitality industries by focusing on principles of operations in food services, recreation, hospitality planning and business relations. Special attention is paid to the development of culinary skills (food sanitation, food preparation, and serving) and customer service skills.

Concentration/Specialization Sequences

Hospitality, Tourism and Recreation I (8202) and one of the following 36-week courses:

- Independent Living (8219)
- Nutrition and Wellness (8229)

Human Services

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

Through participation in the [Family, Career and Community Leaders of America, Inc. \(FCCLA\)](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Options:

- Consumer Services
- Personal Care Services
- Family and Community Services

8745 COSMETOLOGY I (Classes Held at CCAP)

Grades: 10-11
Credits: Three (3); *1st year of a two-year program*

Cosmetology I students will study hair, skin, and nails and their related care. Students are grounded in theory as they prepare to practice procedures in a clinical lab setting or classroom, using manikins for manipulative skill practice. The first-year course emphasizes personal safety, professionalism, sanitation, and disinfection of equipment and facilities. Students develop skills in shampooing and conditioning hair, as well as styling and cutting hair. They are introduced to chemical texture services and develop skills in manicure and pedicure procedures.

Concentration/Specialization Sequences

Cosmetology I (8745) and the following 36-week course:

- Cosmetology II (8746)

8746 COSMETOLOGY II (*Classes Held at CCAP*)

Grades: 11-12

Prerequisite(s): Cosmetology I (8745)

Credits: Three (3); *2nd year of a two-year program*

Industry Credential: NOCTI Cosmetology Assessment/Virginia Cosmetology Examination

Cosmetology II students will build on their theoretical foundation of general sciences and practices in cosmetology to increase proficiency in hair cutting and styling on live models, with attention to professionalism, client consultation, safety, and infection control. Students are trained in safe chemical processes related to permanent waves, relaxers, lightening, and coloring hair. In addition, students learn to care for skin, hands, and feet, developing experience in providing facials, manicures, pedicures, and nail enhancements. Students will be introduced to a business management unit with a focus on managing the salon.

Concentration/Specialization Sequences

Cosmetology II (8546) and the following 36-week course:

- Cosmetology I (8745)

8219 INDEPENDENT LIVING

Grades: 09-12

Prerequisite: None

Credits: One (1)

Students in Independent Living will build life skills focusing on establishing positive relationships, balancing work and family life, investigating careers, making responsible consumer choices, applying nutrition and wellness knowledge, and studying child development and parenting.

Concentration/Specialization Sequences

Independent Living (8219) and one of the following 36-week courses:

- Culinary Arts I (8275)
- Culinary Arts II (8276)
- Early Childhood, Education, and Services I (8285)
- Hospitality, Tourism, and Recreation I (8202)
- Introduction to Fashion Careers (8248)
- Nutrition and Wellness (8229)

8743 MASTER BARBER I (*Classes Held at CCAP*)

Grades: 10-11

Credits: Three (3); *1st year of a two-year program*

Barbering I is the study of hair, scalp, and skin. Students will study and prepare in a clinical lab setting, using mannequins and live models for manipulative practice. The program emphasizes safety and sanitation, communication, and management skills. Related areas of study include psychology, ethics, and professional image. Competency completions prepare the students to work or apprentice in a local barber shop or beauty salon.

Concentration/Specialization Sequences

Master Barber I (8743) and the following 36-week course/420 hours:

- Master Barber II (8744)

8744 MASTER BARBER II (*Classes Held at CCAP*)

Grades: 11-12
 Prerequisite(s): Master Barber I (8743)
 Credits: Three (3); *2nd year of a two-year program*

Industry Credential: Virginia Master Barbers Examination/Workplace Readiness Skills

Barbering II is the study of hair, scalp, and skin. Students will study and prepare in a clinical lab setting, using mannequins and live models for manipulative practice. The program emphasizes safety and sanitation, communication, and management skills. Related areas of study include psychology, ethics, and professional image. Competency completions prepare the students to work or apprentice in a local barber shop or beauty salon.

Concentration/Specialization Sequences

Master Barber II (8744) and the following 36-week course/420 hours:

- Master Barbering, I (8743)

8229 NUTRITION AND WELLNESS

Grades: 10-12
 Prerequisite: None
 Credits: One (1)

Industry Credential: Workplace Readiness Skills for the Commonwealth Examination

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

Concentration/Specialization Sequences

Nutrition and Wellness (8229) and one of the following 36-week courses:

- Culinary Arts I (8275)
- Early Childhood Education I (8285)
- Hospitality, Tourism, and Recreation I (8202)
- Independent Living (8219)

Information Technology

Entry-level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services

Academic and Career Pathway Options:

- Information Support and Services
- Network Systems
- Programming and Software Development

6612 COMPUTER INFORMATION SYSTEMS

Grades: 9 -12
 Prerequisite(s): Digital Applications (recommended)
 Credit: One (1); Two (2) with Cooperative Education

Industry Credential: Microsoft Office Specialist Excel and PowerPoint

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

Concentration/Specialization Sequences

Computer Information Systems (6612) and one of the following 36-week courses:

taught. This course may provide instruction about software-based network operating systems, such as Windows Server or Linux. Instruction will emphasize preparation for industry certification.

Concentration/Specialization Sequences

Cybersecurity Operations, Advanced (6306) and the following 36-week courses:

- Cybersecurity Operations (6304)

8628 CYBERSECURITY SYSTEMS TECHNOLOGY (Classes Held at CCAP)

Grades: 10-12

Prerequisites: Cybersecurity Fundamentals (6302) and 2.0 GPA Required

Credits: One and a half (1.5); 2nd semester of a year one of a two-year program

Industry Credential: CompTIA Certification

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

Concentration/Specialization Sequences

Cybersecurity Systems Technology (8628) and the following 36-week course:

- Cybersecurity Systems Technology, Advanced (8629)

8629 CYBERSECURITY SYSTEMS TECHNOLOGY, ADVANCED (Classes Held at CCAP) Grades: 11-12

Prerequisites: Cybersecurity Systems Technology (8628) and 2.0 GPA Required

Credits: Three (3); 2nd year of a two-year program

Industry Credential: CompTIA Certification

Cybersecurity Systems Technology, Advanced students will provide students with training in procedures for optimizing and troubleshooting concepts for computer systems, subsystems, and networks. Students explore the following: Basic network design and connectivity, network documentation, network limitations and weaknesses, and network security, standards, and protocols. Students will gain a basic understanding of emerging technologies including unified communications, mobile, cloud, and virtualization technologies. The course prepares students for postsecondary education and training and a successful career in information technology. Upon successful completion of the course, students may qualify to take additional CompTIA certification exams.

Concentration/Specialization Sequences

Cybersecurity Systems Technology (8629) and the following 36-week course:

- Cybersecurity Systems Technology (8628)

6611 DIGITAL APPLICATIONS

Grades: 09-12

Prerequisite: None

Credit: One (1)

Industry Credential: Microsoft Office Specialist Word

This course is designed for secondary school students to develop real-life, outcome-driven approach skills for digital citizenship, basic computer operations, keyboarding, application software (word processing, spreadsheets, multimedia applications, databases), and career exploration. This course promotes skills that can be applied across the curriculum and offers preparation relevant to 21st-century skills and postsecondary education. Students who successfully complete this course may be eligible for a rigorous and relevant industry certification examination.

Student skills may be enhanced by participation in work-based learning activities and/or the Future Business Leaders of America (FBLA).

Concentration/Specialization Sequences

Digital Applications (6611) and one of the following 36-week courses:

- Accounting (6320)
- Advanced Accounting (6321)
- Business Law (6131)
- Business Management (6135)
- Computer Information Systems (6612)
- Cybersecurity Operations (6304)
- Medical Administration (6730)

Manufacturing

Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities engineering

Through participation in the [Technology Student Association \(TSA\)](#) and/or [SkillsUSA](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Option:

- Production

8672	WELDING I (<i>Classes Held at CCAP</i>)
Dual Credit:	Offered jointly with Camp Community College
Grades:	11-12
Prerequisite:	2.0 GPA Required
Credits:	One and a half (1.5); <i>1st semester of a one-year program</i>

Welding is required by a wide variety of industries—anywhere fusible materials and high heat are needed to manufacture, repair, or alter tools and products. Professional welders are in high demand and can earn accordingly. Students in Welding I are taught to use manual welding, cutting, and electrical arc welding processes to fabricate and join metal parts according to diagrams, blueprints, and specifications. Students will also learn all safety-related practices and techniques, including earning the OSHA 10 card.

Concentration/Specialization Sequences

Welding I (8672) and the following 36-week course:

- Welding II (8673)

8673	WELDING II (<i>Classes Held at CCAP</i>)
Dual Credit:	Offered jointly with Camp Community College
Grades:	11-12
Prerequisite(s):	Welding I (8672) and 2.0 GPA Required
Credits:	One and a half (1.5); 3 hours of college credit; <i>2nd semester of a one-year program</i>
Industry Credential:	SENSE Training Program (Level 1, Entry-Level Welder)/ NOCTI Welding

Welding II teaches advanced welding students how to fine-tune their craft and to perform welds in various positions, using multiple welding processes. Students prepare to pass relevant industry certifications. Welding is required by a wide variety of industries—anywhere fusible materials and high heat are needed to manufacture, repair, or alter products. Professional welders are in high demand and can earn accordingly.

Concentration/Specialization Sequences

Welding II (8673) and the following 36-week course:

- Welding I (8672)

Marketing

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

Through participation in the [DECA: An Association of Marketing Students](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Option

- Marketing Management

COOPERATIVE EDUCATION

Grades: 9-12
Prerequisite(s): Current Enrollment in Selected Marketing Courses
Credit: One (1)

Cooperative Education is a career preparation method that combines CTE classroom instruction with paid employment that is directly related to the student's plan of study. The school and the employer plan, coordinate, and supervise the instruction and employment so that each contributes directly to the student's career objectives and employability. Students may earn credit toward graduation for cooperative education experiences, and they normally work between 11 and 15 hours per week to achieve the required minimum of 280 hours to receive one credit. Students should discuss the availability of this program with their high school counselor.

8125 DIGITAL AND SOCIAL MEDIA MARKETING

Grade: 09-12
Prerequisites: None
Credit: One (1); Two (2) with Cooperative Education

Industry Credential: Customer Service and Sales Certification Assessment

Digital and Social Media Marketing introduces students to digital and social media marketing. Students explore principles, strategies, tools, and tactics related to consumers, branding, advertising, and promotions. Students explore how success is measured in a digital and social media marketing campaign. This course emphasizes ethics, laws, and security. Students also investigate business and marketing plans as well as careers in digital and social media marketing.

Concentration/Specialization Sequences

Digital and Social Media Marketing (8125) and one of the following 36-week courses:

- Entrepreneurship (9093)
- Fashion Marketing (8140)
- Introduction to Fashion Careers (8248)
- Marketing (8120)
- Strategic Marketing (8130)

9078 EDUCATION FOR EMPLOYMENT I – PREPARATION

Grades: 9-11
Prerequisite: None
Credit: One (1); Two (2) with Cooperative Education

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

9080 EDUCATION FOR EMPLOYMENT II – PREPARATION

Grades: 10-12
Prerequisite(s): Education for Employment I – Preparation (9078)
Credit: One (1); Two (2) with Cooperative Education

Industry Credential: Workplace Readiness Skills for the Commonwealth

global marketing, pricing, and emerging technologies. Students will prepare for advancement in marketing careers and postsecondary education. Computer/technology applications and DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events.

Concentration/Specialization Sequences

Strategic Marketing (8130) and one of the following 36-week courses:

- Digital and Social Media Marketing (8125)
- Entrepreneurship (9093)
- Fashion Marketing (8140)
- Marketing (8120)

Science, Technology, Engineering and Mathematics (STEM)

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

Through participation in the [Technology Student Association \(TSA\)](#) and/or [SkillsUSA](#), students have opportunities to apply knowledge and skills learned in the classroom.

Academic and Career Pathway Option: Engineering and Technology

8436 ENGINEERING DRAWING AND DESIGN
Grades: 10-12
Prerequisite(s): Introduction to Engineering Design (8439) or Technical Drawing and Design (8435)
Credit: One (1)
Industry Credential: AutoCAD Certification

Engineering Drawing and Design students use a graphic language for product design, technical illustration, evaluation of designs, and engineering drawings. They increase their understanding of drawing techniques learned in the prerequisite course. Students use computers, calculators, and descriptive geometry and adhere to established standards to solve design problems. They work in teams to design solutions for an identified need.

Concentration/Specialization Sequences

Engineering Drawing and Design (8436) and one of the following 36-week courses:

- Architectural Drawing and Design (8437)
- Digital Visualization (8459)
- Introduction to Engineering Design PLTW (8439)
- Technical Drawing and Design (8435)

Project Lead the Way (PLTW)

Refer to the [Special Programs](#) section in this document for course descriptions and more information.

The **Engineering** program empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. Courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. This program is located at Nansemond River High School beginning in the 9th grade and is open to all Suffolk Public Schools students. Students must apply for this program during their eighth-grade year.

The **Biomedical Science** program empowers students to explore and find solutions to some of today's most pressing medical challenges. Through scaffolded activities that connect learning to life, students step into the roles of biomedical science professionals and investigate topics including human medicine, physiology, genetics, microbiology, and public health. Students work together in teams to find unique solutions, and in the process, learn in-demand, transferable skills including critical thinking and communication. This program is located at Lakeland High School beginning in the 9th grade and is open to all Suffolk Public Schools students. Students must apply for this program during their eighth-grade year.

8435 TECHNICAL DRAWING AND DESIGN
Grades: 09-12
Prerequisite(s): None
Credit: One (1)

Technical Drawing and Design is a foundation course, students learn the basic language of technical drawing and design, and they design, sketch, and make technical drawings, models, or prototypes of real design problems. The course is especially recommended for future engineering and architecture students.

Concentration/Specialization Sequences

Technical Drawing and Design (8435) and one of the following 36-week courses:

- Architectural Drawing and Design (8437)
- Communication Systems (8415)
- Digital Visualization (8459)
- Engineering Drawing and Design (8436)
- Introduction to Engineering Design PLTW (8439)
- Technology Foundations (8403)

8403 TECHNOLOGY FOUNDATIONS

Grades: 09-12
Prerequisite(s): None
Credit: One (1)

Technology Foundations is a beginning high school course, students acquire a foundation in technological material, energy, and information and apply processes associated with the technological thinker. Challenged by laboratory activities, students create new ideas and innovations, build systems, and analyze technological products to further learn how and why technology works. They work in groups to build and control systems using engineering design in the development of technology.

Concentration/Specialization Sequences

Technology Foundations (8403) and one of the following 36-week courses:

- Communication Systems (8415)
- Technology Transfer (8405)
- Technical Drawing and Design (8435)

8405 TECHNOLOGY TRANSFER

Grades: 10-12
Prerequisite(s): Technology Foundations (8403)
Credit: One (1)

Industry Credential: Workplace Readiness Skills for the Commonwealth Examination

Technology Transfer students will learn that technology transfer occurs when a new user applies an existing technology developed for one purpose to a different function. Groups work together, applying mathematics, science, and engineering concepts to projects that combine systems such as energy and power, agriculture and biotechnology, information and communication, manufacturing, construction, transportation, and medical technologies. Students engage in thematic activities to learn that the transfer of technology from one society to another can cause cultural, social, economic, and political changes that affect both societies to varying degrees. Students who have not earned the Workplace Readiness Skills for the Commonwealth Examination will be administered the assessment.

Concentration/Specialization Sequences

Technology Transfer (8405) and the following 36-week course, equivalent to a total of two 36-week courses:

- Technology Foundations (8403)

Transportation, Distribution and Logistics

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related support services dealing with infrastructure, logistics, equipment, and facilities

Academic and Career Pathway Option

- Facility and Mobile Equipment Maintenance

8676 **AUTO BODY TECHNOLOGY I** (*Classes Held at CCAP*)
 Grades: 10-12
 Credits: One and a half (1.5); *1st semester of a one-year program*

In the global automotive collision repair industry, there is a growing demand for qualified auto body technicians. Automotive Body Technology I students are taught damage analysis, estimating, customer service, non-structural analysis, damage repair, and welding. Students work with a variety of materials, using metal finishing and body filling techniques to prepare surfaces and repair panels. Students who successfully complete this program sequence may be eligible to take the Automotive Service Excellence (ASE) Student Certification examinations.

Concentration/Specialization Sequences

Auto Body Technology I (8676) and the following 36-week course:

- Auto Body Technology II (8677)

8677 **AUTO BODY TECHNOLOGY II** (*Classes Held at CCAP*)
 Grades: 10-12
 Prerequisite: Auto Body Technology (8676)
 Credits: One and a half (1.5); *2nd semester of a one-year program*
Industry Credential: **ASE Certification Examinations**
 NOCTI Collision Repair and Refinishing Technology Assessment

Auto Body Technology II students will explore painting and refinishing techniques that include surface preparation, spray gun and related equipment operation, paint mixing, matching, and applying, and final vehicle detailing. Students who successfully complete this program sequence may be eligible to take the Automotive Service Excellence (ASE) Student Certification examinations.

Concentration/Specialization Sequences

Auto Body Technology II (8677) and the following 36-week course:

- Auto Body Technology I (8676)

8506 **AUTOMOTIVE TECHNOLOGY I** (*Classes Held at CCAP*)
 Grades: 10-11
 Credits: Three (3); *1st year of a two-year program*
Industry Credential: **ASE Certification Examinations**

Automotive Technology I students will 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.

Concentration/Specialization Sequences

Automotive Technology I (8506) and the following 36-week course:

- Automotive Technology II (8507)

8507 **AUTOMOTIVE TECHNOLOGY II** (*Classes Held at CCAP*)
 Grades: 11-12

Prerequisite: Automotive Technology (8506)

Credits: Three (3); 2nd year of a two-year program

Industry Credential: ASE Certification Examinations/NOCTI Automotive Technician-Core

Automotive Body Technology II students will build upon their basic knowledge of automotive technology, exploring more advanced tasks in engine repair, automatic transmission and transaxle, manual drivetrain 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.

Concentration/Specialization Sequences

Automotive Technology II (8507) and the following 36-week course:

- Automotive Technology I (8506)

ADVANCED STUDIES COURSES

Students who demonstrate advanced academic skill or wish to challenge their academic ability may choose to enroll in advanced level courses. Advanced level courses are offered at the secondary level for all students who meet the course prerequisites. The courses listed below are offered at each school; however, course enrollment may affect course offerings from year to year. Many courses include a required summer assignment. AP and IB courses have nationally credentialed exams given in the spring. All students and parents must determine whether the student will take these exams by November. Payment of the examination(s) may be required and is the responsibility of the student and his/her parents. Students enrolled in an AP and IB courses may not be required by the division to take the state end of course SOL assessment for that corresponding course if the student took the AP or IB equivalent assessment. Please see each academic content area or specialty program description for a full course description.

Honors Courses

Honors English 9	Honors Spanish IV	Honors Latin IV
Honors English 10	Honors Spanish V	Honors Latin V
Honors English 11	Honors French IV	Honors Sign Language
Honors English 12	Honors French V	Honors Biology
Physics	Honors Algebra II and Trigonometry	
Honors Chemistry	Mathematical Analysis	Anatomy and Physiology
Honors Geometry	Honors World History & Geography to 1500 AD	
Honors World History & Geography from 1500 AD to the Present		
Honors Virginia and United States History		
Honors Virginia and United States Government		

Advanced Placement

Courses

*(All courses may be offered pending enrollment. Students may request in writing to attend AP courses at another Suffolk High School if courses are not offered due to low enrollment. If approved, transportation **will not** be provided.)*

Advanced Placement Courses

AP Language and Composition	AP Biology
AP Literature and Composition	AP Psychology
AP Calculus AB	AP United States History
AP Calculus BC	AP United States Government and Politics
AP Computer Science Principles	AP European History
AP Physics	AP Chemistry
AP Statistics	AP Spanish Language
AP World History: Modern	
AP Pre-Calculus	

Note The AP courses listed above are the only courses for which Suffolk Public Schools will provide test administration in May. Students who wish to challenge other AP Exams must make other arrangements for testing.

Pre-Diploma (Pre-Dip)

Courses

Pre-Dip English	Pre-Dip Geometry
Pre-Dip /AP Literature and Composition	Pre-Ap Algebra II/Trigonometry
Pre-Dip French II	Pre-Dip Biology

Pre-Dip Latin II
 Pre-Dip Spanish II
 Pre-Dip French III
 Pre-Dip Spanish III

Pre-Dip Chemistry
 Pre-Dip World History to the 20th Century
 Pre-Dip /AP U.S. Government and Politics

IB Courses

IB English HL 11
 IB Mathematics 11 or Math Studies 11
 IB Biology 11, IB Chemistry 11, or IB Physics 11
 IB Environmental Systems and Societies 11
 IB History 11 HL
 IB Foreign Language IV (French, Spanish, or Latin)
 IB Theory of Knowledge 11
 IB Elective (IB Visual Arts 11, IB Psychology 11, IB Music 12, or an additional science)
 IB English 12 HL
 IB Mathematics 12 or Math Studies 12 SL
 IB Biology 12, IB Chemistry 12, or IB Physics 12
 IB History HL 12,
 IB World Language V (French, Spanish, or Latin)
 IB Theory of Knowledge I2
 IB Elective (IB Visual Arts 12, IB Psychology 12, IB Music 12, or second year of additional science)

Governor's School for the

Arts

(Audition Required)

Theatre and Film	Instrumental Music
Performing Arts (Musical Theatre)	Vocal Music
Dance	Visual Arts

Dual-Enrollment Courses

(DC)

(All courses pending enrollment.)

Students may request in writing to attend DC courses at another Suffolk High School.

DC English Composition	DC Biology	DC Chemistry
DC Pre-Calculus	DC Government	DC History & Appreciation of Art
DC Calculus	DC History	DC Virginia Teachers for Tomorrow I
DC Micro Computers	DC Introduction to Psychology	DC Virginia Teachers for Tomorrow II

SPECIAL PROGRAMS

International Baccalaureate (IB) Diploma Programme

KING'S FORK HIGH SCHOOL, AN IB WORLD SCHOOL

The International Baccalaureate Diploma Programme is an advanced, comprehensive program of study, offering an integrated approach to learning across the disciplines. Many colleges and universities view the IB Diploma Programme as the most compelling course of study a student can pursue. Such universities have offered extensive credit and/or preferential admissions consideration to IB diploma candidates. Recognized worldwide, the IB Diploma Programme's in-depth approach to academic disciplines fosters skills that will remain with students for their lifetime.

The IB offers six subject groups. Diploma candidates must select one subject from each group one through five. Candidates may select one subject from Group 6, or they may select an additional subject from groups three or four. At least three (and not more than four) subjects are taken at the higher level (HL), the others at the standard level (SL). Students explore some subjects in depth and others more broadly. Active citizenship and global perspectives are encouraged in each area of the curriculum. Upon completion of the course work, students take an external IB assessment in each subject. In addition to courses and exams, students must also complete the Extended Essay, Theory of Knowledge (TOK), and Community Activity Service (CAS) requirements to earn the IB Diploma. Students in the program are also eligible to receive the Virginia Advanced Studies Diploma.

The six subject areas of the International Baccalaureate Program are:

Group 1 – Language A, First Language

Students ideally develop strong written and oral skills, respect for the literary heritage of their first language, and an international perspective. English: Literature is the course offered in this group.

Group 2 – Language B, Foreign Language

All diploma students are required to study a second language. Second language courses allow students to use the language in a range of contexts and for many purposes, while focusing on written and spoken communication. Courses in this group include French B, Spanish B, and Spanish ab initio.

Group 3 – Individuals and Societies

Students develop a critical appreciation for human experience and behavior, the varieties of physical, economic, and social environments that people inhabit, and the history of social and cultural institutions. Courses in this group include History and Psychology.

Group 4 – Experimental Sciences

Students develop practical laboratory skills and work collaboratively through interdisciplinary group projects. Students develop an awareness of moral and ethical issues, and a sense of social responsibility is fostered by examining local and global issues. Courses in this group include Biology, Chemistry, and Physics.

Group 5 – Mathematics

All candidates are required to complete a mathematics course. Two options are available to serve the different abilities and levels of student interests. Each course aims to deepen a student's understanding of mathematics as a discipline and to promote confidence and facility in the use of mathematical language. Courses in this group include Mathematics and Math Studies.

Group 6 – The Arts and other Electives

Students will have the opportunity to experience creativity in the context of disciplined, practical research into the relevant genres. There will also be a strong emphasis placed on the different cultural contexts. Students may select Visual Arts or Music or an additional course from group 3 or 4.

Admission to the program is through application only. Information can be found on the [IB Website](#).

IB EXAM PROCEDURES

IB examinations are taken by students in May of their senior year and are evaluated externally. The International Board of Examiners prepares oral and written examinations. The Board of Examiners has the final authority on the setting of examinations and the assessment of all candidates for the awarding of IB diplomas and certificates. Students must take examinations in most IB subjects. These exams are assessed on a scale of 1-7. A minimum score of 24, plus satisfactory completion of the Theory of Knowledge course, the CAS activities, and the Extended Essay are required for the awarding of the IB Diploma. Three of the exams are taken at the standard level (**SL**) and three at the higher level (**HL**). Generally speaking, the HL exams test more knowledge and are more difficult than the SL exams. Students are advised to take their HL exams in areas of their greatest strengths.

EXTENDED ESSAY

The Extended Essay (4000 words) is defined as an in-depth study of a limited topic chosen from one of the six subject areas of the IB Diploma curriculum. It is designed to provide the candidate the opportunity to engage in independent research. Students are expected to begin work on the project during the junior year and the summer between the junior and senior years under the supervision of an advisor.

THEORY OF KNOWLEDGE (TOK)

TOK is taken over two years, the junior year and senior year. Students examine the philosophical framework of each academic discipline while learning to reflect critically and logically on ideas originating in the other courses. While there is no IB exam in this seminar course, students are required to submit an essay for external scoring by the IB Organization and to make an oral presentation.

CREATIVITY, ACTIVITY, SERVICE (CAS)

CAS comprises various activities that may include designing and implementing service projects, participating in individual and team sports, and assisting with community and social service activities. While the Creativity and Activity components of CAS can largely be met through extracurricular programs, the Service component is the responsibility of the student. IB Diploma Program students must complete and submit a portfolio of their CAS activities. Each school appoints a CAS Coordinator who is responsible for providing a varied choice of activities for students.

Pre-Diploma (Pre-Dip) and IB courses are listed as follows:

GRADE 9

Pre-Dip English 9
 Pre-Dip Geometry or Algebra II/Trigonometry
 Pre-Dip Biology
 Pre-Dip World History to the 20th Century
 Pre-Dip Foreign Language (French II or Spanish II)
 Health/PE 9
 One elective

GRADE 10

Pre-Dip English 10
 Pre-Dip Algebra II/Trigonometry
 Pre-Dip Chemistry
 Pre-Dip Advanced Placement U. S. Government and Politics
 Pre-Dip Foreign Language (French III or Spanish III)
 Health/PE 10
 One elective

GRADE 11

IB English Literature HL 11
 IB Math: Analysis and Approaches 11 or IB Math: Applications and Interpretation 11
 IB Biology 11, IB Chemistry 11, or IB Physics 11
 IB History 11 HL
 IB French IV, Spanish IV, or IB Spanish ab initio
 IB Theory of Knowledge 11
 IB Elective (*IB Visual Arts 11, IB Psychology 11, IB Music 11, or an additional science*)

GRADE 12

IB English Literature 12 HL
 IB Math: Analysis and Approaches 12 or IB Math: Applications and Interpretation 12
 IB Biology 12, IB Chemistry 12, or IB Physics 12
 IB History HL 12,
 IB French V, Spanish V, or IB Spanish ab initio
 IB Theory of Knowledge 12
 IB Elective (*IB Visual Arts 12, IB Psychology 12, IB Music 12, or second year of additional science*)

Group 1**LANGUAGE A, FIRST LANGUAGE - ENGLISH**

IB1130	PRE-DIP ENGLISH
Grade	9
Prerequisite(s):	B or better in English 8
Credit:	One (weighted +0.5)

In this course, students prepare to meet the requirements of IB 11 and 12 English. As they study classics of world literature, they acquire experiential knowledge of literary genres and terms. Both written and oral literary analyses, including a fully documented research report, are regularly required. This course focuses on improving oral skills in preparation for the oral commentaries. There is also an emphasis on formal, expository writing. The volume, difficulty, and pacing of assignments are challenging.

IB1140	PRE-DIP ENGLISH
Grade	10
Prerequisite(s):	Successful completion of Pre-Dip English 9
Credit:	One (weighted +0.5)

Students in this class are challenged to think critically, to synthesize literature, and to write effectively. The course will emphasize British literature, but will include literary works from many countries. In addition, information

concerning cultural, historical, philosophical, and psychological backgrounds are addressed. The genres will include epics, dramas, novels, and a major focus on poetry.

IB01007 11 12 IB ENGLISH LITERATURE, HIGHER LEVEL

Grade 11
Prerequisite(s): Successful completion of Pre-Dip English 10
Credit: One (weighted +1)

This is the first year of a two-year intensive course in which students develop knowledge of the literature and culture of both the United States and other countries. Reading from a variety of genres and texts, students develop and practice detailed and critical analysis in oral and written forms. Numerous written and oral assignments are graded both internally and externally by the International Baccalaureate Organization. This is the first in a two-year sequence of higher level English culminating with a series of external examinations that may provide college-level credit at many colleges and universities. The course requires college-level performance and work habits.

Summer Assignment: REQUIRED

End of Course Testing REQUIRED

IB01007 12 22 IB ENGLISH LITERATURE, HIGHER LEVEL

Grade 12
Prerequisite(s): Successful completion of IB English 11, Higher Level
Credit: One (weighted +1)

This is the second part of a two-year intensive course in which students develop knowledge of the literature and culture of both the United States and other countries. Reading from a variety of genres and texts, students develop and practice detailed and critical analysis in oral and written forms. Numerous written and oral assignments are graded both internally and externally by the International Baccalaureate Organization. This is the second in a two-year sequence of higher level English culminating with a series of external examinations that may provide college-level credits at many colleges and universities. The course requires college-level performance and work habits.

Summer Assignment: REQUIRED

Group 2

LANGUAGE B, WORLD LANGUAGE

IB5122 PRE-DIP FRENCH II

Grade 9
Prerequisite(s): “B” or better in French I
Credit: One

In Pre-Dip French II students develop skills in understanding and speaking the language. Areas of emphasis in the course are reading for comprehension, writing for expression and reinforcement, and gaining insights into the culture of the countries where the language is spoken.

IB5132 PRE-DIP FRENCH III

Grade 10
Prerequisite(s): Successful completion of Pre-Dip French II
Credit: One

In Pre-Dip French III students continue to develop competency in the skills of listening, speaking, reading, and writing through meaningful communication and extensive practice. Increasingly, the language is used as the sole

medium of communication in the classroom. The culture of the countries where the language is spoken continues to be stressed.

IB5142	IB FRENCH IV
Grade	11
Prerequisite(s):	Successful completion of Pre-Dip French 3
Credit:	One (weighted +1)

IB French 4 is the first part of a two-year course in which students continue to develop proficiency in listening, speaking, reading, and writing the target language. The course prepares students to use the language appropriately in a range of situations and contexts and for a variety of purposes. To fulfill IB internal-assessment requirements, students create and maintain a portfolio of written and recorded samples. The course requires college-level performance and work habits. *Summer Assignment: REQUIRED*

IB5152	IB FRENCH V
Grade	12
Prerequisite(s):	Successful Completion of IB French IV
Credit:	One (weighted +1)

IB French V is the second part of a two-year course in which students continue to develop proficiency in listening, speaking, reading, and writing the target language. The course prepares students to use the language appropriately in a range of situations and contexts and for a variety of purposes. To fulfill IB internal-assessment requirements, students create and maintain a portfolio of written and recorded samples. The course requires college-level performance and work habits. *Summer Assignment: REQUIRED*

IB5522	PRE-DIP SPANISH II
Grade	9
Prerequisite(s):	“B” or better in Spanish I
Credit:	One

In Pre-Dip Spanish II twentieth-century skills in understanding and speaking the language. Areas of emphasis in the course are reading for comprehension, writing for expression and reinforcement, and gaining insights into the culture of the countries where the language is spoken.

IB5532	PRE-DIP SPANISH III
Grade	10
Prerequisite(s):	Successful completion of Pre-Dip Spanish II
Credit:	One

In Pre-Dip Spanish III, students continue to develop competency in the skills of listening, speaking, reading, and writing through meaningful communication and extensive practice. Increasingly, the language is used as the sole medium of communication in the classroom. The culture of the countries where the language is spoken continues to be stressed.

IB5542	IB SPANISH IV
Grade	11
Prerequisite(s):	Successful Completion of Pre-Dip Spanish III
Credit:	One (weighted +1)

IB Spanish IV is the first part of a two-year course in which students continue to develop proficiency in listening, speaking, reading, and writing the target language. The course prepares students to use the language appropriately in a range of situations and contexts and for a variety of purposes. To fulfill IB internal-assessment requirements, students create and maintain a portfolio of written and recorded samples. The course requires college-level performance and work habits. **Summer Assignment: REQUIRED**

24068H1112	IB SPANISH AB INITIO Standard Level
Grade	11
Prerequisite(s):	IB Diploma Candidates ONLY; highly recommend Spanish II/III with teacher recommendation
Credit:	One (weighted +1)

IB Spanish ab initio is a two-year, standard level course for juniors and seniors. Students develop the ability to communicate in the target language through the study of language, themes, and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive, and interactive skills across a range of contexts and purposes that are appropriate to the level of the course. **Summer Assignment: REQUIRED**

IB5552	IB SPANISH V, STANDARD LEVEL
Grade	12
Prerequisite(s):	Successful Completion of IB Spanish IV
Credit:	One (weighted +1)

IB Spanish V is the second part of a two-year course in which students continue to develop proficiency in listening, speaking, reading, and writing the target language. The course prepares students to use the language appropriately in a range of situations and contexts and for a variety of purposes. To fulfill IB internal-assessment requirements, students create and maintain a portfolio of written and recorded samples. The course requires college-level performance and work habits. **Summer Assignment: REQUIRED**

Group 3 INDIVIDUALS AND SOCIETIES

IB2351	PRE-DIP WORLD HISTORY to the 20th CENTURY
Grade	9
Prerequisite(s):	Successful completion of Geography 8
Credit:	One (weighted + .5)

This course offers a historical and cultural study of world history that enables students to explore the development of people, places, and patterns of life from ancient times until the mid-20th century. This course is a chronologically organized study of world history and geography through the modern era. Topics will consist of the ancient world through the middle ages, as well as the geography and history of Europe, Africa, Asia, and Latin America. **End of Course Testing REQUIRED**

IB2445	PRE-DIP /ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS
Grade	10
Prerequisite(s):	Successful completion of Pre-Dip World History
Credit:	One (weighted + 1)

Students will complete studies in high school equivalent to a one-semester college introductory course in United States Government and Politics. Students may take the AP exam. *AP Exam: Optional*

IB2360	IB HISTORY 11, HIGHER LEVEL
Grade	11
Prerequisite:	Successful Completion of Pre-Dip /AP US Government and Politics
Credit:	One (weighted +1)

IB History 11, Higher Level, is the first part of a two-year course. IB History is an in-depth study of twentieth-century world history with an emphasis on the history of the Americas from 1840 to 1990. This course is designed to develop historical research skills, analytical thinking skills, and skills for interpreting political, military, social, and economic events of the twentieth-century. Students engage in extensive reading, independent research, and analysis of primary and secondary source documents. Students take the Virginia end-of-course Standards of Learning test in United States History. The course requires college-level performance and work habits. *End of Course Testing: REQUIRED*

IB2361	IB HISTORY 12, HIGHER LEVEL
Grade	12
Prerequisite(s):	Successful Completion of IB History 11
Credit:	One (weighted +1)

IB History 12, Higher Level is the second part of a two-year course. IB History of the Americas is an in-depth study of twentieth-century world history with an emphasis on the history of the Americas from 1840 to 1990. This course is designed to develop historical research skills, analytical thinking skills, and skills for interpreting political, military, social, and economic events of the twentieth century. Students engage in extensive reading, independent research, and analysis of primary and secondary source documents. The course requires college-level performances and work habits. *IB Assessments: REQUIRED*

IB2903	IB PSYCHOLOGY 11
Grade	11
Prerequisite:	Cumulative GPA of 3.0
Credit:	One (weighted +1)

IB Psychology 11 is the first part of a rigorous, two-year course of study in psychology. The course provides students with a broad understanding of psychology and of its different theoretical approaches. The course introduces students to diverse methods of psychological inquiry and promotes ethical practices and responsibilities in psychological investigations. To meet this aim, students study research design, methods, statistics, and ethical issues in psychological research and application and undertake one or more research studies. The course requires college-level performance and work habits. (This course contains sexually explicit content as part of the curriculum.)

IB2904	IB PSYCHOLOGY 12
Grade	11
Prerequisite(s):	Successful Completion of IB2903 Psychology 11
Credit:	One (weighted +1)

IB Psychology 12 is the second part of a rigorous two-year course of study in psychology. The course provides students with a broad understanding of psychology and of its different theoretical approaches. The course introduces students to diverse methods of psychological inquiry and promotes ethical practices and responsibilities in psychological investigations. To meet this aim, students study research design, methods, statistics, and ethical issues in psychological research and application and undertake one or more research studies. The course requires

college-level performance and work habits. (This course contains sexually explicit content as part of the curriculum.)

IB Assessments: REQUIRED

**Group 4
EXPERIMENTAL SCIENCES**

IB4310	PRE-DIP BIOLOGY
Grade	9
Prerequisite(s):	Successful completion of Science 8
Credit:	One (weighted + .5)

Students will explore the characteristics, structure, function, and interaction of living things. The course emphasizes the role of the scientist as well as the social, ethical, and economic implications of biology and technology in a global society. Students develop experimental design skills through inquiry-based laboratory investigations and compose formal laboratory reports. Topics are studied in the context of local, national, and international perspectives. Specific course topics include basic biochemistry, cell structure and function, genetics and biotechnology, theories of evolution, ecology and the environment, the six kingdoms of living things including viruses, animal and plant anatomy, and physiology. (This course contains sexually explicit content as part of the curriculum.) **End of Course Testing REQUIRED**

IB03057 11 12	IB BIOLOGY 11
Grade	11
Prerequisite(s):	Successful completion of Pre-Dip Biology
Credit:	One (weighted +1)

This is the first part of a two-year course that provides an in-depth study of biology. The course promotes understanding of the important relationships, processes, mechanisms, extensions, and applications of biological concepts. Through scientific inquiry, students learn that the study of biology is a process. They also apply the knowledge of biology to explore and analyze environmental and social concerns on a global level. Students participate in structured labs, write research papers, design original research projects, and participate in a required IB interdisciplinary group project. The course requires college-level performance and work habits. (This course contains sexually explicit content as part of the curriculum.) **Summer Assignment: REQUIRED**

IB03057 12 22	IB BIOLOGY 12
Grade	12
Prerequisite(s):	Successful Completion of IB Biology 11
Credit:	One (weighted +1)

This is the second part of a two-year course that provides an in-depth study of biology. The course promotes understanding of the important relationships, processes, mechanisms, extensions, and applications of biological concepts. Through scientific inquiry, students learn that the study of biology is a process. They also apply the knowledge of biology to explore and analyze environmental and social concerns on a global level. Students participate in structured labs, write research papers, design original research projects, and participate in a required IB interdisciplinary group project. The course requires college-level performance and work habits. (This course contains sexually explicit content as part of the curriculum.) **Summer Assignment: REQUIRED // IB Assessments: REQUIRED**

IB4410	PRE-DIP CHEMISTRY
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Grade	10
Prerequisite(s):	Successful completion of Pre-Dip Biology
Credit:	One (weighted + .5)

Students will develop a foundation of chemical concepts and principles for understanding the structure and properties of matter. Emphasis is placed on utilizing investigative skills to solve problems and to understand the interrelationships among the basic concepts of modern chemistry. Topics are studied in the context of local, national, and international perspectives. Specific topics include chemical reactions, bonding, acids, gases and salts, atomic structure, kinetic theory and gasses, electron arrangement, oxidation and reduction, and organic chemistry. Students develop an understanding of the moral, ethical, social, economic, and environmental implications of using science and technology in a global context. Students have experience working with open-ended labs, data-based questions, and IB assessment formats. **End of Course Testing: REQUIRED**

IB03107 11 22 IB CHEMISTRY 11

Grade:	11
Prerequisite:	Successful completion of Pre-Dip Chemistry
Credit:	One (weighted +1)

This is the first part of a two-year course that provides an in-depth study of chemistry. IB Chemistry 11 develops the ability to analyze critically scientific literature and to develop manipulative and experimental skills necessary to perform college-level scientific investigations. Students participate in structured labs, write research papers, design original research projects, and participate in a required IB interdisciplinary group project. Student-centered cooperative learning, as well as teacher-directed instruction, provides the student with a college-level chemistry experience. The course increases student awareness of global issues pertaining to chemistry. The course requires college-level performance and work habits.

IB03107 12 22 IB CHEMISTRY 12

Grade	12
Prerequisite(s):	Successful Completion of IB Chemistry 11
Credit:	One (weighted +1)

This is the second part of a two-year course that provides an in-depth study of chemistry. IB Chemistry 12 develops the ability to analyze critically scientific literature and to develop manipulative and experimental skills necessary to perform college-level scientific investigations. Students participate in structured labs, write research papers, design original research projects, and participate in a required IB interdisciplinary group project. Student-centered cooperative learning as well as teacher-directed instruction provides the student with a college-level chemistry experience. The course increases student awareness of global issues pertaining to chemistry. The course requires college-level performance and work habits. **IB Assessments: REQUIRED**

IB03157 11 12 IB PHYSICS 11

Grade	11
Prerequisite(s):	Overall GPA of 3.0
Credit:	One (weighted +1)

This is the first part of a two-year course that provides an in-depth study of topics in physical measurement, mechanics, thermal physics, oscillations and waves, electric currents, fields and forces, atomic and nuclear physics, and energy, power, and climate change. Students participate in structured labs, write research papers, design original research projects, and participate in a required IB interdisciplinary group project. The course requires college-level performance and work habits.

IB03157 12 22 IB PHYSICS 12

Grade	12
Prerequisite(s):	Successful Completion of IB Physics 11
Credit:	One (weighted +1)

This is the second part of a two-year course that provides in-depth study topics in physical measurement, mechanics, thermal physics, oscillations and waves, electric currents, fields and forces, atomic and nuclear physics, and energy, power, and climate change. Sustainability is the integrative theme of the course. Students participate in structured labs, write research papers, design original research projects, and participate in a required IB interdisciplinary group project. The course requires college-level performance and work habits. ***IB Assessments: REQUIRED***

Group 5 MATHEMATICS

IB3143	PRE-DIP GEOMETRY
Grade	9
Prerequisite(s):	“B” or better in Algebra I
Credit:	One (weighted + .5)

Students learn the principles of geometry and are rigorously required to demonstrate logical, step-by-step problem-solving techniques. Topics are studied in the context of local, national, and international perspectives. Additional topics include an introduction to truth tables, negation, quantifiers, the laws of sines and cosines, three-dimensional coordinates, and vectors. Emphasis is also placed on symbolic logic and geometric probability. ***End of Course Testing REQUIRED***

IB3137	PRE-DIP ALGEBRA II/TRIGONOMETRY
Grade	10
Prerequisite(s):	Successful completion of Pre-Dip Geometry
Credit:	One (weighted + .5)

This course combines all of the traditional Algebra 2 and Trigonometry objectives with additional topics including probability and statistics. Emphasis is placed on matrices, functions, graphing, conic sections, trigonometry, and real-world application of mathematics principles. Topics are studied in the context of local, national, and international perspectives. Students demonstrate proficiency in solving problems using algebraic and graphic methods and a graphing calculator.

02139SL12 & 02139HL12	IB MATH: APPLICATIONS & INTERPRETATION 11
Grade	11
Prerequisite:	Successful Completion of Pre-Dip Algebra 2/Trigonometry
Credit:	One (weighted +1)

The first year of a two-year course covering fundamentals in algebra and functions expanding on topics found in Algebra II. New topics include matrices and their applications for solving systems of equations; piecewise functions; an introduction to formal proofs; and a more formal investigation of geometry using Voronoi diagrams, adjacency matrices, and tree and cycle diagrams. Statistical theory will include basic measures of spread and central tendency as well as a formal introduction to hypothesis testing through the normal, Chi-squared, binomial, and Poisson distributions.

02140SL12 & 02140HL12	IB MATH: ANALYSIS & APPROACHES 11
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Grade	11
Prerequisite:	Successful Completion of Pre-Dip Algebra 2/Trigonometry
Credit:	One (weighted +1)

The first year of a two-year course covering fundamentals in algebra and functions expanding on topics found in Algebra II. New topics will include partial fractions, formal proofs, and trigonometry using reciprocal functions, and more involved trigonometric identities. Probability theory will include a formal presentation of expectation through a variety of distributions and Bayes theorem, as well as an introduction to hypothesis testing using the normal distribution.

02139SL22 & 02139HL22	IB MATH: APPLICATIONS & INTERPRETATION 12
Grade	12
Prerequisite(s):	Successful Completion of IB Math: Applications & Interpretation 11
Credit:	One (weighted +1)

The second year of a two-year course covering fundamentals in algebra and functions expanding on topics found in Algebra II. New topics include matrices and their applications for solving systems of equations; piecewise functions; an introduction to formal proofs; and a more formal investigation of geometry using Voronoi diagrams, adjacency matrices, and tree and cycle diagrams. Statistical theory will include basic measures of spread and central tendency as well as a formal introduction to hypothesis testing through the normal, Chi-squared, binomial, and Poisson distributions. **IB Assessments: REQUIRED**

02140SL22 & 02140HL22	IB MATH: ANALYSIS & APPROACHES 12
Grade	12
Prerequisite(s):	Successful Completion of IB Math: Analysis & Approaches 11
Credit:	One (weighted +1)

The second year of a two year course covering fundamentals in algebra and functions expanding on topics found in Algebra II. New topics will include partial fractions, formal proofs, and trigonometry using reciprocal functions, and more involved trigonometric identities. Probability theory will include a formal presentation of expectation through a variety of distributions and Bayes theorem, as well as an introduction to hypothesis testing using the normal distribution. **IB Assessments: REQUIRED**

Group 6

THE ARTS AND OTHER ELECTIVES

Students may select Visual Arts or Music or Additional Courses from Group 3 or Group 4.

These courses may meet the sequential elective graduation requirement.

IB 9194	IB VISUAL ARTS 11
Grade	11
Prerequisite:	Overall GPA of 3.0
Credit:	One (weighted +1)

IB Visual Arts 11 is the first part of a two-year course of study designed to stimulate and train the student's visual awareness, increase the student's perceptive and critical responses to the art of various cultures, and to enable the student to discover, develop, and enjoy different means of creative visual expression. The student is encouraged to develop an intensely personal view of the human condition and nature through the study of visual arts and to develop an informed attitude towards art and design in all its forms, both in history and in the contemporary world.

The student may pursue one of two options at the standard level depending on interest and on the level of artistic ability. The course requires college-level performance and work habits.

IB9195	IB VISUAL ARTS 12
Grade	12
Prerequisite(s):	Successful Completion of IB Visual Arts 11, Standard Level
Credit:	One (weighted +1)

IB Visual Arts 12 is the second part of a two-year course of study designed to stimulate and train the student's visual awareness, increase the student's perspective and critical responses to the art of various cultures, and to enable the student to discover, develop, and enjoy different means of creative visual expression. The student is encouraged to develop an intensely personal view of the human condition and of nature through the study of visual arts and to develop an informed attitude towards art and design in all its forms, both in history and in the contemporary world. The student may pursue one of two options at the standard level depending on interest and on the level of artistic ability. The course requires college-level performance and work habits. ***IB Assessments: REQUIRED***

IB9294S & IB9294H	IB MUSIC 11
Grade	11
Prerequisite:	Overall GPA of 3.0
Credit:	One (weighted +1)

IB Music is a two-year course that allows for exploration of the shared human perceptions and emotions that temper our lives. It demands that the educated musician and music lover be able to recognize and articulate musical elements realized in diverse examples of music making. Therefore, IB music students will develop their performance skills through solo music making; develop compositional skills through exploration and investigation of musical elements; use appropriate musical language and terminology to describe and reflect a critical understanding of music; develop perceptual skills in response to music, and demonstrate knowledge and understanding of music in relation to time and place. This is an IB elective course that requires college-level performance and work habits.

IB9295S & IB295H	IB MUSIC 12
Grade	12
Prerequisite(s):	Successful Completion of IB Music 11 (IB 9294)
Credit:	One (weighted +1)

IB Music 12 is a continuation of IB Music II. This course allows for exploration of the shared human perceptions and emotions that temper our lives. It demands that the educated musician and music lover be able to recognize and articulate musical elements realized in diverse examples of music making. Therefore, IB music students will develop their performance skills through solo music making; develop compositional skills through exploration and investigation of musical elements; use appropriate musical language and terminology to describe and reflect a critical understanding of music; develop perceptual skills in response to music, and demonstrate knowledge and understanding of music in relation to time and place. This is an IB elective course that requires college-level performance and work habits. ***IB Assessments: REQUIRED***

IB1197	IB THEORY OF KNOWLEDGE 11
Grade	11
Prerequisite:	Overall GPA of 3.0
Credit:	One (weighted +1)

Students who are candidates for the International Baccalaureate Diploma are required to complete Theory of Knowledge. Part 1 is taken in the spring of the junior year and part 2 in the fall of the senior year. Students learn to better understand themselves as “knowers” by exploring the various methods they use to “know” the truth of a given thought, feeling, or belief. This exploration also involves how various “ways of knowing” are applied to all of the areas of knowledge in the IB curriculum: mathematics, natural science, human science, history, art, and ethics. Through the study of eastern and western philosophies, logic and reason, intuition, and faith, students explore various belief systems, both personal and global, in an attempt to determine their “truth.” To accomplish this, students read selected texts, write about their findings, and discuss, in great detail, their own thoughts on course topics. Students must complete an internal assessment in the form of a presentation and an external assessment in the form of a 1,200-1,600 word essay that addresses one of the prescribed titles. The course requires college-level performance and work habits.

IB1198	IB THEORY OF KNOWLEDGE 12
Grade	12
Prerequisite(s):	IB Theory of Knowledge 11 (B average recommended) and an overall GPA of 3.0
Credit:	One (weighted +0.5)

Students who are candidates for the International Baccalaureate Diploma are required to complete Theory of Knowledge. Part II of this course is taken in the fall of the student’s senior year. Students learn to better understand themselves as “knowers” by exploring the various methods they use to “know” the truth of a given thought, feeling, or belief. This exploration also involves how various “ways of knowing” are applied to all of the areas of knowledge in the IB curriculum: mathematics, natural science, human science, history, art, and ethics. Through the study of eastern and western philosophies, logic and reason, intuition, and faith, students explore various belief systems, both personal and global, in an attempt to determine their “truth.” To accomplish this, students read selected texts, write about their findings, and discuss, in great detail, their own thoughts on course topics. Students must complete an internal assessment in the form of a presentation and an external assessment in the form of a 1,200-1,600 word essay that addresses one of the prescribed titles. The course requires college-level performance and work habits. ***IB Assessments: REQUIRED***

(PLTW)**Engineering**

This program empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. Courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality.

8439 INTRODUCTION TO ENGINEERING DESIGN

Grade 9
Prerequisite(s): None
Credit: One (weighted +1)

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.

Sequential Elective Course: Principles of Engineering (8441)

8441 PRINCIPLES OF ENGINEERING

Grade 10
Prerequisite(s): Introduction to Engineering Design
Credit: One (weighted +1)

Students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation through problems that are engaging and challenging. Skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation are enhanced.

Sequential Elective Course: Digital Electronics (8440), Civil Engineering and Architecture (8430)

8440 DIGITAL ELECTRONICS

Grade 11
Prerequisite(s): Principles of Engineering
Credit: One (weighted +1)

From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

Sequential Elective Course: Engineering Design and Development (8443)

8430 CIVIL ENGINEERING AND ARCHITECTURE

Grade 11
Prerequisite(s): Principles of Engineering
Credit: One (weighted +1)

This course teaches the important aspects of building and site design and development. Students apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

Sequential Elective Course: Engineering Design and Development (8443)

8443	ENGINEERING DESIGN & DEVELOPMENT
Grade	12
Prerequisite(s):	Digital Electronics and Civil Engineering and Architecture
Credit:	One (weighted +1)

The knowledge and skills students acquire throughout the PLTW engineering courses listed above come together in this course as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any career or post-secondary program.

PLTW Engineering Approved Courses

English	Social Studies	Science	Mathematics	PLTW
*English *English 9 *Honors English 9 *English 10 *Honors English 10 *English 11 *Honors English 11 *AP Language and Composition *English 12 *Honors English 12 *AP Literature and Composition *DE English	*World History and Geography I *Honors World History and Geography I *World History and Geography II *Honors World History and Geography II *AP European History *AP World History *U.S. and Virginia History *Honors U.S. and Virginia History *AP U.S. History *DE U.S. History *U.S. Government and Politics *Honors U.S. Government and Politics *AP U.S. Government *DE U.S. Government and Politics	*Honors Earth Science *Honors Biology *Honors Chemistry *Physics *AP Biology *AP Chemistry *AP Physics *AP Environmental Science *DE Biology *DE Chemistry	*Honors Geometry *Honors Algebra II/Trig *Math Analysis *Data Science *Discrete Math *DE Pre-Calculus *AP Pre-Calculus *AP Calculus AB *AP Calculus BC *AP Statistics *DE Calculus * AP Computer Science Principles <i>**Must meet Pre-Calculus level and select additional upper level courses.</i>	*Introduction to Engineering Design *Principles of Engineering *Digital Electronics *Civil Engineering and Architecture *Engineering Design & Development

Credit: One (weighted +1)

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution. (This course contains sexually explicit content as part of the curriculum.)

PLTW Biomedical Sciences Approved Courses

<u>English</u>	<u>Social Studies</u>	<u>Science</u>	<u>Mathematics</u>	<u>PLTW</u>
*Honors English 9 *Honors English 10 *Honors English 11 *AP Language and Composition *Honors English 12 *AP Literature and Composition *DE English	*World History and Geography I *Honors World History and Geography I *World History and Geography II *Honors World History and Geography II *AP World History *U.S. and Virginia History *Honors U.S. and Virginia History *AP U.S. History *DE U.S. History *U.S. Government and Politics *Honors U.S. Government and Politics *AP U.S. Government *DE U.S. Government and Politics	*Honors Biology *Honors Chemistry *Physics *AP Biology *AP Chemistry *AP Physics *AP Environmental Science *DE Biology **Non-Earth Science students must take one of the following combinations: <ul style="list-style-type: none"> ● <i>Physics w/ Anatomy & Physiology</i> ● <i>Physics w/ AP Psychology</i> 	*Geometry *Honors Geometry *Honors Algebra I/Trig *Math Analysis *Data Science *DE Pre-Calculus *AP Pre-Calculus *AP Calculus AB *AP Calculus BC *Discrete Mathematics *AP Statistics *DE Calculus *AP Computer Science A **Must meet Pre-Calculus level and select additional upper level courses.	*Principles of the Biomedical Sciences *Human Body Systems *Medical Interventions *Biomedical Innovations

Center for Performance and Production Arts

05124G10011 TECHNOLOGY/ELECTRONIC MUSIC

Grades 9-12
Prerequisite(s): None
Credit: One (1)

Technology/Electronic Music allows students to acquire and define technical and expressive skills using technological advances in music production. Technology/Electronic Music enables students to use critical thinking skills to study and apply advanced musical concepts in a variety of classroom structures (e.g., Music Technology, Music Appreciation, Music History/Literature, Independent Study, etc.) apart from traditional ensemble settings. Students develop skills in reading and understanding a variety of musical notations. Students develop, improvise, draft, refine, and share musical ideas. Students respond to, describe, interpret, and evaluate music and explore music from a variety of cultural influences, styles, composers, and historical periods. They examine relationships of music to other fine arts and to other fields of knowledge, and explore connections between music skills and college, career, and workplace skills.

Sequential Elective Course: Technology/Electronic Music II (05124G101224)

05124G101224 MUSIC TECHNOLOGY AND ELECTRONIC MUSIC II

Grades 10-12
Prerequisite(s): Music Technology and Electronic Music
Credit: One (1)

Music Technology and Electronic Music II: Digital Audio Workstations Essentials allows students in The Center for Performing and Production Arts at Lakeland High School to continue to define technical and expressive skills using technological advances in music production. DAWE specifically focuses on the operation and application of Digital Audio Workstations in music production and audio for visual media. **Sequential Elective Course:** Technology and Electronic Music (05124G10011)

05113 MUSIC THEORY

Grades 9-12
Prerequisite(s): None
Credit: One (1)

Music Theory integrates aspects of melody, harmony, rhythm, form, and composition. Emphasis is placed on reading, writing, and notating music, music terminology, analysis, composition, aural skills, and sight-singing. Students recognize, describe, and apply the basic materials and processes of music through an integrated approach, which includes aural, written, creative, and analytical components. Students develop, draft, refine, and share musical ideas. Students investigate career opportunities in music and identify connections between music and other fields of knowledge.

05107 PIANO LAB

Grades 9-12
Prerequisite(s): None
Credit: One (1)

Piano Lab allows students to acquire and define technical and expressive skills with the piano/keyboard in individual and ensemble performances. Piano Lab integrates aspects of melody, harmony, rhythm, form, and composition. Students begin receiving instruction on piano with guidance from the music teacher at any high school grade level. Students identify parts of the instrument and demonstrate proper instrument care, playing posture, instrument positions, fingerings, and production. Students apply emerging music skills to create and notate original work. Music literacy skills are emphasized as students read, notate, and perform music. Students

use critical thinking to respond to, describe, interpret, and evaluate works of music as performers and listeners. They describe career options in music and investigate how innovative tools and new media impact the music field. Opportunities are provided for students to participate in local, district, and regional music events as appropriate to their level, ability, and interest. **Sequential Elective Course:** Piano Lab II (05107G091222)

05107G091222 **PIANO LAB II**
 Grades 9-12
 Prerequisite(s): Piano Lab I or permission of instructor
 Credit: One (1)

Piano Lab II allows students to continue to develop technical and expressive skills with the piano/keyboard in individual and ensemble performance. Piano Lab II integrates aspects of melody, harmony, rhythm, form, and composition. Students continue instruction on piano with guidance from the piano teacher in The Center for Performing and Production Arts at Lakeland High School. Students apply music skills to create and notate original work. Music literacy skills are emphasized as students read, notate, and perform music. Students use critical thinking to respond to, describe, interpret, and evaluate works of music as performers and listeners. They describe career options in music and investigate how innovative tools and new media impact the music field. Opportunities are provided for students to participate in local, district, and regional music events as appropriate to level, ability, and interest. Students accompany vocal groups and perform in other ensembles as needed. **Sequential Elective Course:** Piano Lab I (05107)

11056G0912 **FILM STUDY**
 Grades 9-12
 Prerequisite(s): None
 Credit: One (1)

Students in The Center for Performing and Production Arts at Lakeland High School accepted into the Theatre Performance and Production track will examine a selected career in theatre, television, film, or contemporary media and study lighting and cinematography for workplace readiness. Film Study: Introduction to Cinema enables students to develop problem-solving, communication, organizational, and management skills. Drawing on fine arts and other disciplines, they work individually and collaboratively to explore the interrelated components of design, production, and management. Students will synthesize knowledge from other content areas to support creative arts processes. Additionally, students will investigate tools and techniques for contemporary media production, including camera techniques, film terminology, acting for the camera, creating screenplays, and the editing process.

05168G0912 **FILM/TV PRODUCTION**
 Grades 9-12
 Prerequisite(s): None
 Credit: One (1)

Students in The Center for Performing and Production Arts at Lakeland High School accepted into the Theatre Performance and Production track will examine a selected career in theatre, television, film, or contemporary media. In the first section of Film/TV Production, students will be studying lighting and cinematography. Specific to film studies, students will learn the production components of how lighting and visuals are crucial to the artistry of story telling for recorded theatre/media. Students develop problem-solving, communication, organizational, and management skills. Drawing on fine arts and other disciplines, they work individually and collaboratively to explore the interrelated components of design, production, and management. Students practice safe operating procedures, including the care, maintenance, and storage of tools, materials, and equipment.

05123G1012 **RECORDING AND PRODUCTION**
 Grades 9-12
 Prerequisite(s): Music Technology and Electronic Music
 Credit: One (1)

Music Recording and Production, the introduction to audio engineering, allows students in The Center for Performing and Production Arts at Lakeland High School to record and produce within the context of the center's production lab, using technological advances in music production. Introduction to Audio Engineering explores the fundamentals of sound, their application in a live sound reinforcement, the audio recording studio, and in audio

for visual media. This course enables students to use critical thinking skills to study and apply advanced musical concepts in a variety of classroom structures in order to, among many skills, record in-house musicians, remix previous recordings, and produce new music.

05056G091213 TECHNICAL THEATRE I

Grades 9-12
Prerequisite(s): None
Credit: One (1)

Students in The Center for Performing and Production Arts at Lakeland High School accepted into the Theatre Performance and Production track will explore and study technical theatre for workplace readiness. Students develop problem-solving, communication, organizational, and management skills. Drawing on fine arts and other disciplines, they work individually and collaboratively to explore the interrelated components of design, production, and management. Students practice safe operating procedures, including the care, maintenance, and storage of tools, materials, and equipment.

05106G101212 CHAMBER INSTRUMENTAL ENSEMBLE

Grades 10-12
Prerequisite(s): Small Instrumental Ensemble
Credit: One (1)

Students in The Center for Performing and Production Arts will explore instrumental music in depth, regardless of instrumentation, with an emphasis on advanced playing techniques and terminology. This course offers a continuation of studies in tone production, rhythmic concepts, proper articulation, and the performance of medium instrumental literature at a higher, performance based level for specialty instruction. Performance is required. **Sequential Elective Course:** Advanced Band (9234), Small Instrumental Ensemble (9250), Advanced Orchestra (9239)

05111101214 CHAMBER VOCAL ENSEMBLE

Grades 10-12
Prerequisite(s): Small Vocal Ensemble
Credit: One (1)

Students in The Center for Performing and Production Arts will explore vocal music in depth, with an emphasis on advanced singing techniques and terminology. This course offers a continuation of studies in tone production, rhythmic concepts, proper articulation, and the performance of vocal literature at a higher, performance based level for specialty instruction. Performance is required. **Sequential Elective Course:** Advanced Chorus (9289), Small Vocal Ensemble (9280)

Governor's School for the Arts

Governor's School for the Arts courses fulfills the Fine Arts requirement for graduation

The Governor's School for the Arts (GSA) is a regional secondary fine arts school sponsored by the Virginia Department of Education and the public-school divisions of Chesapeake, Franklin, Isle of Wight, Norfolk, Portsmouth, Southampton, Suffolk, and Virginia Beach. It is one of the specialized Virginia public schools designated as "Governor's Schools" with the mission to provide intensified educational opportunities for gifted and talented students.

The Governor's School for the Arts provides an intensive comprehensive fine arts program of studies for 9th through 12th grade students who are planning or considering careers in the arts. The programs are designed for students who have innate artistic talent and potential for growth, along with a high degree of commitment to developing their talents.

GSA provides pre-professional, individualized, and focused instructional programs in dance, instrumental and vocal music, musical theatre, theatre and film, and visual arts for students with a high degree of innate artistic talent and potential for growth. Students are committed to developing their talents and are considering or planning careers in the arts.

Students take academic classes at their regular high schools in the morning and attend GSA in the afternoon for three hours daily during the regular academic year. Transportation to and from GSA is provided by the student's school division. Classes may be individual lessons, small or large groups, or rehearsals. The average class size is 12. Students may earn three credits for each year they attend GSA. There is no tuition cost to the students.

Rising ninth through eleventh-grade students may apply for acceptance to the Governor's School for the Arts. Students are selected based on individual ability, interest, and potential artistic growth. Interviews, auditions, portfolio reviews, and application materials are used in the selection process.

9603	THEATRE & FILM
Grades	9-12
Prerequisite(s):	Audition
Credits:	Three (+.5 weighted per credit)

Theatre and film students gain a strong foundation in all aspects of the art of theatre and of film. Emphasis is placed on the rich cultural history of the art forms as well as practical applications in performance techniques for those on the Performance Track and design techniques for those on the Design/Tech Track. All students gain a strong background in theatre history and dramatic literature. Performance track students will study many performance techniques including classic acting styles as well as modern stage and film techniques. Design/Tech students will use state-of-the-art equipment to explore stage lighting, scenic, and sound design as well as costuming and stage projections. Students from both tracks are eligible to have a secondary focus on playwriting or filmmaking. Filmmaking students will learn all aspects of filmmaking including writing a screenplay, using cameras, light and sound equipment as well as editing. All filmmaking students will have several opportunities to create short films. Instructors include area professionals as well as visiting artists. Advanced students have the opportunity for internships with the Virginia Stage Company.

Sequential Elective Course: This course is a sequential elective when taken for 2 or more years.

9604	PERFORMING ARTS (MUSICAL THEATRE)
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Grades	9-12
Prerequisite(s):	Audition
Credits:	Three (+.5 weighted per credit)

Musical Theatre students are provided a challenging, intensive program of study designed to develop performance skills in voice, dance, and acting to the advanced level necessary to compete in today's complex and the ever-changing entertainment industry.

Sequential Elective Course: This course is a sequential elective when taken for 2 or more years.

9600	DANCE
Grades	9-12
Prerequisite(s):	Audition
Credits:	Three (+.5 weighted per credit)

Dance students receive professional training while encouraging the student's personal development and artistic expression. The primary focus of the program is ballet and modern dance this program offers comprehensive studies in ballet, modern dance, and jazz techniques as well as dance composition, character, partnering, somatics & Pilates conditioning, pointe, with areas of focus in contemporary repertory and contemporary & classical ballet repertory. The program is designed to prepare students for auditions to prestigious colleges and dance repertory schools for the career-minded dancer.

Sequential Elective Course: This course is a sequential elective when taken for 2 or more years.

9602	INSTRUMENTAL MUSIC
Grades	9-12
Prerequisite(s):	Audition
Credits:	Three (+.5 weighted per credit)

Instrumental Music students participate in GSA Orchestra three major concerts each year, modeling its programming after the traditions of the world's finest orchestras while staying ahead of the ever-evolving ways that orchestras can serve their loyal community of listeners. Students may also participate in the Jazz and Big Band to learn Jazz Studies with a focus on performance and music theory.

Sequential Elective Course: This course is a sequential elective when taken for 2 or more years.

9602	VOCAL MUSIC
Grades	9-12
Prerequisite(s):	Audition
Credits:	Three (+.5 weighted per credit)

Vocal Music students receive in-depth, comprehensive training in Voice, Theory, Sight Singing, and Diction. Classes include: Music History, Art Song Literature, Vocal Music Survey, Opera Workshop, and Directing Opera Productions. The program is designed to prepare students for college and professional careers in singing opera and classical repertoire.

Sequential Elective Course: This course is a sequential elective when taken for 2 or more years.

9601	VISUAL ARTS
Grades	9-12
Prerequisite(s):	Audition
Credits:	Three (+.5 weighted per credit)

Through classroom and studio experiences, students with a high level of commitment gain the historic perspective, fluency of criticism, capacity for innovation, and technical skills needed to produce sophisticated and original works of art. The program includes classes in drawing, art history and criticism, and elective studios such as painting, photography, screen-printing, intaglio, lithography, computer imaging, ceramic sculpture, construction, assemblage, and welding. Visual Arts teachers are professional artists. University study programs are available for advanced students.

Sequential Elective Course: This course is a sequential elective when taken for 2 or more years.

Paul D. Camp Community College Degree/Certificate Program

Paul D. Camp Community College Certificate PDCCC General Education Certificate

Paul D. Camp Community College in collaboration with Suffolk Public Schools offers a General Education Certificate and Diploma Program. This program is composed of high school credits required for an Advanced Studies Diploma and fifteen (15) college credits needed for the Passport Program, thirty-three (33) college credits needed for the General Education Certificate, or sixty-one (61) college credits needed for the General Studies Associate Degree. Students pursuing these programs must earn credits in the following disciplines: English, Humanities, Social Science, Science, Mathematics, Health and Physical Education, and Electives. This program is open to all students who meet the course prerequisites listed in the course descriptions in the academic section of this document.

Students are eligible to participate in this program if the following items are completed:

- Student is a high school junior or senior. Exceptions for freshman and sophomores must be approved by the College president.
- Approved by the high school principal or school counselor director for course registration;
- Complete Paul D. Camp Community College Application
- Accepted for admission by the college
- Qualified, i.e. amply prepared for the demands of a college level course by successfully completing the college placement test or providing acceptable scores from the PSAT, SAT ACT, or SOL Math exam.

This program is tuition based and subject to the community college pricing scale. Although there is a cost associated with the course work, the rate is usually considerably lower than the four-year college/university cost. In addition to giving students college level course experience and college credit, parents may save money.

Community college courses are transferable to four (4) year institutions (check with the four-year college/university for their transfer policy). As with all college courses, the course availability will be contingent on student enrollment and credentialed instructors. ***In addition, Suffolk Public Schools students also need to complete the second part of specified courses to receive dual credit.***

Virginia's community colleges offer students more than the opportunity to earn a degree or certificate. They provide a gateway to the commonwealth's four-year colleges and universities. Through system-wide agreements, students who graduate from one of Virginia's 23 community colleges with an associate's degree and a minimum grade point average may obtain GUARANTEED admission to more than 20 of the commonwealth's colleges and universities. See the [VCCS website](#) for more information.

In addition, individual colleges have even more transfer agreements to choose from, so check with your college admissions office, or check them out on the [Virginia Education Wizard](#).

Parents and students planning to pursue this program are highly encouraged to set up a session with the school counselor to discuss the specifics of this program. The school counselor will be able to share information related to the requirements of the four-year college/university that the student plans to attend after high school and develop a Four-Year Plan of Study that is specific to the student's goals. During this session, the counselor can also share information concerning scholarship opportunities available once the student graduates from high school. Some colleges may accept Guaranteed Admission students with completed associate degrees while in high school. Since the student will have multiple college credits prior to graduation, some colleges/universities will classify the student as an upperclassman; therefore, the student may not be eligible for some freshmen level scholarships.

1130/01001	English 9
1130H/01001	Honors English 9*
1140/01002	English 10
1140H/01002	Honors English 10*
1150/01003	English 11
1150H/01003	Honors English 11*
1160/01004	English 12
1160H/01004	Honors English 12*
1171/01104	Creative Writing
1181/01067	Literacy Strategies for High School I
1182/01067	Literacy Strategies for High School II
1195/01006	AP Literature and Composition +
1196/01005	AP Language & Composition +
1200/11101	Journalism I
1210/11101	Journalism II
1300/01151	Fundamentals of Public Speaking
1177/01103	Advanced Composition
01069G1011	World Mythology (VV)
DE1600/01004	DC English Composition +

MATHEMATICS

3120/02003	Personal Living & Finance
3130/02052	Algebra I
3131/02053	Algebra I, Part I
3132/02054	Algebra I, Part II
3134/99001	Algebra, Functions, & Data Analysis
3135/02056	Algebra II
3137/02106	Honors Algebra II & Trigonometry*
3143/02072	Geometry or Geometry Lab
3143H/02072	Honors Geometry*
02911G0912	Data Science
3154/02102	Discrete Mathematics
3162/02104	Mathematical Analysis*
3177/02124	AP Calculus AB+
02125C10011	AP Calculus BC+
3186/10999	DC Micro Computers (Computer Application) +
3190/02201	Probability and Statistics
3192/02203	AP Statistics+
02114E0912	AP Pre-Calculus+
DE3230/02104	DC Pre-Calculus+
DE3231/02121	DC Calculus+

COMPUTER SCIENCE

10020	Computer Science Foundations
10160	AP Computer Science Principles
3185	AP Computer Science A (VV)+
3186	DC MicroComputers+

SCIENCE

4210/03001	Earth Science
4250/03005	Oceanography

4269/03003	Environmental Science
4270/03207	AP Environmental Science+
4310/03051	Biology
4310H/03051	Honors Biology *
4330/03053	Biology II: Anatomy and Physiology*
4340/03063	Ecology
4370/03056	AP Biology+
4410/03101	Chemistry
4410H/03101	Honors Chemistry*
4470/03106	AP Chemistry+
4510/03151	Physics*
4260	Astronomy (VV)
4420	Advanced Chemistry (VV)
4570/03155	AP Physics 1+
4571	AP Physics 2 (VV)+
DE4700/03999	DC Biology+
DE4701/03999	DC Chemistry+

MILITARY SCIENCE (Aerospace Science)

AF7913/09151	Air Force Junior ROTC I
AF7916/09152	Air Force Junior ROTC II
AF7918/09153	Air Force Junior ROTC III
AF7919/09154	Air Force Junior ROTC IV

SOCIAL STUDIES

2215/04052	World History & Geography to 1500 A.D.
2215H/04052	Honors World History & Geography to 1500 A.D.*
2216/04053	World History & Geography 1500 A.D. to present
2216H/04053	Honors World History & Geography from 1500 A.D. to present*
2380	AP World History: Modern Humanities/Multicultural Studies
2315/04302	AP U.S. History*
2319/04104	VA & U.S. History
2360/04101	Honors VA & U.S. History*
2399/04056	AP European History+
2902/04256	AP Psychology+
2440/04151	VA & U.S. Government
2440H/04151	Honors VA & U.S. Government*
2445/04157	AP Government & Politics+
2450/04158	AP Government and Politics: Comparative (VV)+
2212	AP Human Geography (VV)+
04205E1011	AP Economics (VV)+
2900	Psychology
2500/04258	Sociology
2800/04201	Economics
04107G1011	African-American Studies

DE 2952/04099 DC Government+
 DE2950/04999 DC U.S. History+
 DE2951/04254 DC Introduction to Psychology+

FINE ARTS

9120/05154 Art I
 9130/05154 Art II
 9140/05154 Art III
 9145/05154 Art IV
05156G1012 Art: Drawing I
05152G0912 Art History
05157G1012 Art: Painting I
 9151/05153 AP Art History+ (VV)
 DE9171 DC History & Appreciation of Art+
 1410/05051 Theatre I
 1420/05059 Theatre II
 1423/05058 Theatre III
 1426/05057 Theatre IV
05055G1012 Advanced Acting
05061G1012 Directing and Advanced Theatre Studies
 9222/05116 Music History and Appreciation
 9232/05101 Beginning Band
 9233/05101 Intermediate Band
 9234/05101 Advanced Band
 9237/05104 Beginning Orchestra
 9238/05104 Intermediate Orchestra
 9239/05104 Advanced Orchestra
 9250/05106 Small Instrumental Ensemble
 9260/05110 Beginner Chorus
 9280/05111 Small Vocal Ensemble
 9285/05110 Intermediate Chorus – (Mixed Chorus
 Unselected)
 9289/05110 Advanced Chorus— (Mixed Chorus
 Select)

SERVICE LEARNING

9828/22999 Service Learning

HEALTH & PHYSICAL EDUCATION

7700/08049 Adapted Physical Education
 7300/08052 Health & P.E. 9
 7405/08201 Health & P.E. 10
 7640/08005 Advanced Physical Education
 08016G1212 Sports, Exercise, and Health Science
08017G1112 Fitness Instructor I

WORLD LANGUAGE

5010/06721 Arabic I (VV)
 5110/06121 French I
 5120/06122 French II
 5130/06123 French III

5140/06124 Honors French IV*
 5150/06125 Honors French V*
 5170/06132 AP French Language+ (VV)
 5310/06301 Latin I
 5320/06302 Latin II
 5330/06303 Latin III
 5340/06304 Honors Latin IV*
 5350/06305 Honors Latin V*
 5370/06313 AP Latin: Vergil+ (VV)
 5510/06101 Spanish I
 5520/06102 Spanish II
 5530/06103 Spanish III
 5540/06104 Honors Spanish IV*
 5550/06105 Honors Spanish V*
 5570/06112 AP Spanish Language+
 5810/06721 Chinese I (VV)
 5990/06801 Sign Language I
 5995/06802 Sign Language II
 5997/06803 Sign Language III
 5998/06804 Honors Sign Language IV*
 5710/01008 English as a Second Language I
 5720/01008 English as a Second Language II
 5730/01008 English as a Second Language III
 5731/01008 English as a Second Language IV
 01008G10055 English as a Second Language V

CENTER FOR PERFORMANCE AND PRODUCTION ARTS

9225/05113 Music Theory
 9255/05107 Piano Lab
05107G091222 Piano Lab II
 05124G10011 Technology/Electronic Music
05124G101224 Music Technology/Electronic Music II
11056G0912 Film Study
05168G0912 Film/TV Production
05123G1012 Recording and Production
05056G091213 Technical Theatre
05106G101212 Chamber Instrumental Ensemble
05111101214 Chamber Vocal Ensemble

GOVERNOR'S SCHOOL FOR THE ARTS

9600 Dance – MS*
 9601 Visual Arts – MS*
 9602 Instrumental Music – MS*
 9602 Vocal Music – MS*
 9603 Theatre – MS*
 9604 Performing Arts – MS*

INTERNATIONAL BACCALAUREATE

IB 1130/01001 Pre-Dip English 9*
 IB 1140/01002 Pre-Dip English 10*

6304/10302	Cybersecurity Operations	8676/20117	Auto Body Technology I
6306/10302	Cybersecurity Operations, Advanced	8677/20117	Auto Body Technology II
8275/16052	Culinary Arts I	8533/17102	Electricity I
8276/16052	Culinary Arts II	8534/17102	Electricity II
8285/19153	Early Childhood Education I	8616/20052	Utility/Heavy Construction I
8286/19153	Early Childhood Education II	8617/20052	Utility/Heavy Construction II
8333/14055	Emergency Medical Technician I	8088/18105	Veterinary Science I
8334/14055	Emergency Medical Technician II	8089/18105	Veterinary Science II
8345/14151	Medical Assistant I	8628/10109	Cybersecurity Systems Technology
8346/14151	Medical Assistant II	8629/10109	Cybersecurity Systems Technology, Advanced
8355/14051	Nurse Aide I Condensed		
8356/14051	Nurse Aide II Condensed	8672/13207	Welding I
8400/10205	Game Design and Development	8673/13207	Welding II
8401/10205	Game Design and Development, Advanced	8743/19102	Master Barber I
8506/20104	Automotive Technology I	8744/19102	Master Barber II
8507/20104	Automotive Technology II	8745/19101	Cosmetology I
		8746/19101	Cosmetology II

ABBREVIATIONS

AP - Advanced Placement

DC - Dual Credit (High School & College
Credit Awarded)

MS - Magnet School

CCAP – The College and Career Academy at Pruden

* - Weighted Honors (+.5)

+ - Weighted AP/IB/DC (+1)

Bold - New/Amended Courses

VV - Virtual Virginia Only

SCHOOL BOARD MEMBERS

Tyron D. Riddick, *Chair*

Heather D. Howell, *Vice-Chair*

Phyllis C. Byrum

Karen L. Jenkins

Judith Brooks-Buck, Ph.D.

Dawn Marie Brittingham, Ed.D.

Kimberly A. Slingluff

Suffolk Public Schools does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies.

Services

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Chief of Administrative

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tmb - 10/2023