Prince Edward County High School

Program of Studies
2016-2017
School Information

Principal
Mr. Zoltan Kerestely

Assistant Principals
Mrs. Ruth Williamson
Dr. Maurice Smith

Coordinator of Career and Technical/
Adult and Continuing Education
Dr. Brad Bryant

Director of Athletics / Student Activities
Mr. Rodney Kane

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Registrar
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35 Eagle Drive
Farmville, Virginia 23901
(434) 315-2130
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Diplomas and Graduation Requirements

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

Students in Prince Edward County Schools, who enter the ninth grade in the school year 2011-2012 and later, (graduating classes of 2015 and beyond) may choose between the Standard Diploma and the Advanced Studies Diploma, or if eligible, the Applied Studies Diploma. Students are required to complete 22 units of credit, including a career-technical sequence, for the standard diploma and 26 units of credits for the advanced diploma. Seniors are required to meet the minimum requirements for graduation before graduation day in order to participate in the graduation ceremony. Any senior who needs to attend alternative programs over the summer to complete course requirements for graduation will not be allowed to participate in the graduation ceremony.

In accordance with the requirements of the Standards of Quality, students with disabilities who complete the requirements of their Individualized Education Program (IEP) and do not meet the requirements for other diplomas shall be awarded Special Diplomas.

What is a Standard Unit of Credit?

A standard unit of credit is awarded for a course in which the student successfully completes the objectives of the course and the equivalent of 140 clock hours of instruction.

What is a Verified Credit?

Verified Credit = Passing the class and the SOL test

A “verified unit of credit” for graduation is a course credit based on a minimum of 140 clock hours of instruction, successful completion of the requirements of the course, and the achievement by the student of a passing score on the end-of-course SOL (Standards of Learning) test for that course. Students must earn six (6) verified credits in order to receive a Standard Diploma and nine (9) verified credits in order to receive an Advanced Studies Diploma. For further information, please see the explanation of the SOL tests and verified credits at the Virginia Department of Education website:

http://www.doe.virginia.gov/testing/index.shtml
Which courses require SOL (Standards of Learning) tests?

At this time, 11 SOL tests are given at the end of the course in the following subjects:

**Mathematics:** Algebra I, Geometry, Algebra II

**Science:** Earth Science, Biology, Chemistry, Governor’s School Chemistry

**Social Studies:** World History I, World History II, Virginia/US History, DE VA/US History, AP US History

**English:** English 11 Reading, English 11 Writing, DE Composition 111-112, AP Language & Composition, Governor’s School English 11

Students who:
- pass the SOL test, pass the SOL course, and meet requirements for attendance will be granted a verified credit.
- fail the SOL test and fail the course must retake the SOL test and the SOL course in order to receive a verified or standard credit.

Students may retake tests needed to earn verified units of credit for graduation. Students who score between 375-399 on a test are eligible for an expedited retake and may retake a test before the next scheduled test administration. Students who after remediation fail a retake of history/social studies or science test, but achieve a score of 375 or better, may be awarded a verified credit by their local school board, following a review of their class work and/or demonstration of their mastery of the content of the course. Verified credits awarded in this manner are given at the discretion of local school boards and apply only toward a Standard Diploma. Ask your school counselor for more information about locally awarded verified credits.

All students in SOL classes will take the end-of-course test, and will not be required to take a final exam. Teachers will average the first and second semester grades to determine the course grade.

**Two Sequential Electives**

The *Standards of Quality*, § 22.1-253.13:4.D.2 of the Code of Virginia, effective July 1, 2011, 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 sequence 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, shall be identified in the Academic and Career Plan as described in Board of Education regulations, and shall be developed by the school division, consistent with Board of Education guidelines and as approved by the local school board.
To graduate with an Advanced Studies Diploma, a student must earn at least 24 or 26 standard units of credit, depending on when he or she entered ninth grade, and at least nine verified units of credit:

Beginning with students entering ninth grade for the first time in 2013-2014, a student must successfully complete one virtual course, which may be non-credit bearing, to graduate with an Advanced Studies Diploma.

Please note: Your school counselor can tell you which courses are offered by your school to fulfill the requirements for an Advanced Studies Diploma.

### Electives

- **Fine Arts and Career and Technical Education** – The Standard, Advanced Studies, and Modified Standard Diplomas each contain a requirement for one standard unit of credit in Fine Arts or Career and Technical Education. The Standards of Accreditation do not require that courses used to satisfy the requirement of Fine Arts or Career and Technical Education be approved by the Board. Therefore, local school officials should use their own judgment in determining which courses students take to satisfy this requirement.

- **Foreign Language** – The Advanced Studies Diploma contains a requirement for, either, three years of one foreign language or two years of two languages. In March 1998, the Board of Education approved the provision of three years of instruction in American Sign Language (ASL) for foreign language credit toward an Advanced Studies Diploma; other foreign languages will satisfy this requirement as well. Details of this action are available in: Superintendent's Memo, Interpretive, #1, June 12, 1998.
STANDARD DIPLOMA: MINIMUM COURSE & CREDIT REQUIREMENTS

To graduate with a standard diploma, a student must earn at least 22 standard units of credit by passing required courses and electives, and earn at least six verified credits by passing end-of-course sol tests or other assessments approved by the board of education.

Beginning with students entering ninth grade for the first time in 2013-2014, a student must also: earn a board-approved career and technical education credential to graduate with a standard diploma; and successfully complete one virtual course, which may be non-credit bearing.

The school counselor can advise on available courses to fulfill the requirements for a standard diploma.

Note: the modified standard diploma will not be an option for students with disabilities who enter the ninth grade for the first time beginning in 2013-2014. Credit accommodations allow students with disabilities who previously would have pursued a modified standard diploma to earn a standard diploma.

<table>
<thead>
<tr>
<th>Standard Diploma Course Requirements (8 VAC 20-131-50.3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td>English</td>
</tr>
<tr>
<td>Mathematics [Note.1]</td>
</tr>
<tr>
<td>Laboratory Science [Notes 2 &amp; 6]</td>
</tr>
<tr>
<td>History &amp; Social Sciences [Notes 3 &amp; 6]</td>
</tr>
<tr>
<td>Health &amp; Physical Education</td>
</tr>
<tr>
<td>Fine Arts or Career &amp; Technical Education</td>
</tr>
<tr>
<td>Foreign Language, Fine Arts or Career &amp; Technical Education [Notes.7]</td>
</tr>
<tr>
<td>Economics and Personal Finance</td>
</tr>
<tr>
<td>Electives [Note.4]</td>
</tr>
<tr>
<td>Student Selected Test [ Note 5]</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

NOTE 1: For students entering the ninth grade for the first time in 2011-2012 and beyond: courses completed to satisfy this requirement shall include at least two different course selections from among: Algebra I; Geometry; Algebra, Functions and Data Analysis; Algebra II, or other Mathematics courses above the level of Algebra II. The board shall approve courses to satisfy this requirement. NOTE 2: For students entering the ninth grade for the first time in 2011-2012 and beyond: courses completed to satisfy this requirement shall include course selections from at least two different science disciplines: Earth Sciences, Biology, Chemistry or Physics or completion of the sequence of science courses required for the International Baccalaureate Diploma. The board shall approve courses to satisfy this requirement. NOTE 3: For students entering the ninth grade for the first time in 2011-2012 and beyond: courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and one course in either World History or Geography or both. The board shall approve courses to satisfy this requirement. NOTE 4: Courses to
satisfy this requirement shall include at least two sequential electives as required by the standards of quality. NOTE 5: For students entering the ninth grade for the first time in 2011-2012 and beyond: a student may utilize additional tests for earning verified credit in Computer Science, Technology, Career and Technical Education, Economics or other areas as prescribed by the board in 8 vac 20-131-110. NOTE 6: Students who complete a Career and Technical Education program sequence and pass an examination or occupational competency assessment in a Career and Technical Education field that confers certification or an occupational competency credential from a recognized industry, or trade or professional association or acquires a professional license in a Career and Technical Education field from the Commonwealth of Virginia may substitute the certification, competency credential or license for (1) the student selected verified credit and (2) either a Science or History and Social Science verified credit when the certification, license or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the board of education as an additional test to verify student achievement. NOTE 7: For students entering the ninth grade for the first time in 2011-2012 and beyond: pursuant to section 22.1-253.13:4, Code of Virginia, credits earned for this requirement shall include one credit in Fine or Performing Arts or Career and Technical Education.

APPLIED STUDIES DIPLOMA Applied Studies Diploma

As of July 1, 2015, state legislation eliminated the term "Special Diploma". In lieu of this language, the term "Applied Studies Diploma" will be used. This diploma is available to students with disabilities who complete the requirements of their Individualized Education Program (IEP) and who do not meet the requirements of for other diplomas.
Credit for Courses Taken in Middle School

Students who enter grade 9 and who have completed courses in a foreign language, Algebra, Geometry or Keyboarding will have the GPA computed to include these courses unless a written request is received from a parent to omit the course grade in the GPA. The grade would not appear on the student’s transcript and the student would **NOT** earn high school credit for the course. **Parents MUST notify the high school IN WRITING by the end of the first semester of their 9th grade year if they choose to have the grade omitted from GPA calculation, grade removed and not earn a high school credit for the course.**
SOL Requirements for First Time Transfer Students to a Virginia School

How many verified credits do students who transfer into Virginia high schools from other states or private schools need to earn a Standard Diploma?

Students entering a Virginia public high school for the first time during the tenth grade or at the beginning of the eleventh grade must earn a minimum of four verified units of credit, including one each in English, mathematics, history/social science, and science to receive a Standard Diploma. These students are eligible for locally awarded verified credits in science and history/social science and are also eligible for verified credits earned through career and technical education.

Students entering a Virginia public high school for the first time during the eleventh grade or at the beginning of the twelfth grade must earn a minimum of two verified credits, including one in English and one in a subject of their own choosing to receive a Standard Diploma.

How many verified credits do students who transfer into Virginia high schools from other states or private schools need to earn an Advanced Studies Diploma?

Students entering a Virginia public high school for the first time during the tenth grade or at the beginning of the eleventh grade must earn a minimum of six verified credits, including two in English, one each in mathematics, history/social science, and science, and one in a subject of their own choosing to receive an Advanced Studies Diploma.

Students entering a Virginia public high school for the first time during the eleventh grade or at the beginning of the twelfth grade must earn a minimum of four verified units of credit, including one in English and three in subjects of their own choosing to receive an Advanced Studies Diploma.

What about students who transfer to a Virginia public high school during their senior year?

Students transferring after 20 instructional hours per course of their senior year shall be given every opportunity to earn a Standard Diploma or Advanced Studies Diploma. If it is not possible for the student to meet the requirements for a Virginia Standard Diploma or Advanced Studies Diploma, arrangements should be made for the student's previous school to award the diploma. If these arrangements cannot be made, the school division can submit a waiver of the verified unit of credit requirements to the Virginia Department of Education. Your school counselor can tell you more about this waiver.

May end-of-course assessments taken in other states be substituted for SOL tests in the awarding of verified credits?

The Board of Education accepts content-based high school end-of-course tests administered as a part of another state's accountability system for the purpose of awarding verified credit to students who transfer to Virginia public schools. When students transfer to a Virginia public school from a state that requires such high school end-of-course tests, the local school division may automatically accept the student's passing score on the test and the corresponding course for the purposes of awarding verified credit.
When students transfer to a Virginia public school from a state that requires a comprehensive subject area examination as a prerequisite for graduation from high school, VDOE – at the request of the division superintendent — will review the examination to determine its suitability for use to award verified credit. In order for a test to be deemed suitable for use, the test must be approved as part of another state’s accountability system and approved through the federal standards and assessment peer review process. Such requests shall be submitted by the division superintendent within 30 days of receipt of the student’s record.

**What are "standard units of credit" and "verified units of credit"?**

A standard unit of credit is awarded for a course in which the student successfully completes the objectives of the course and the equivalent of 140 clock hours of instruction.

A verified unit of credit is awarded for a course in which the student earns a standard unit of credit and achieves a passing score on a corresponding end-of-course SOL test or a substitute assessment approved by the Board of Education.

**Are students who fail end-of-course tests permitted to retake the tests?**

Students may retake end-of-course tests as often as a school division's testing schedule permits. Students who score within 25 points of passing or have extenuating circumstances may be eligible to retake a test before the next scheduled administration.

**What happens if a student passes a course but fails the corresponding end-of-course test?**

As mentioned above, students may retake tests needed to earn verified units of credit for graduation. Students who score between 375-399 on a test are eligible for an expedited retake and may retake a test before the next scheduled test administration.

Students who after remediation fail a retake of history/social studies or science test, but achieve a score of 375 or better, may be awarded a verified credit by their local school board, following a review of their class work and/or demonstration of their mastery of the content of the course. Verified credits awarded in this manner are given at the discretion of local school boards and apply only toward a Standard Diploma. Ask your school counselor for more information about locally awarded verified credits.

**May tests of equal or greater rigor be substituted for SOL tests for the awarding of verified credits?**

Yes. The Board of Education has approved a number of tests that students may take to earn verified credits toward graduation. The Board also has approved a schedule of career and technical examinations for licensure or certification that may be substituted for SOL tests to earn student-selected verified units of credit. Tests for licensure or certification that require the demonstration of knowledge and skills beyond what is associated with a single course may result in the awarding of two units of verified credit. Your school counselor and career and technical education teacher can provide more information about these examinations.
GRADUATION (DIPLOMA) SEALS OF ACHIEVEMENT

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" beginning with the ninth-grade class of 2006-2007 and beyond.

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 Advanced Mathematics & Technology Seal – Awarded to students who earn either a Standard or Advanced Studies Diploma and satisfy all of the mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified units of credit) with a "B" average or better; and either
- pass an examination in a career and technical education field that confers certification from a recognized industry, or trade or professional association
- OR acquire a professional license in a career and technical education field from the Commonwealth of Virginia
- OR pass an examination approved by the board that confers college-level credit in a technology or computer science area.

The Board of Education shall approve all professional licenses and examinations used to satisfy these requirements.
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 Modified Standard Diploma, 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.

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.

Promotion Requirements

9th to 10th Grade
A minimum of 5 credits (including one unit of English); 1 Verified Credit

10th to 11th Grade
A minimum of 11 credits (including two English, one math, one science, one history); 3 Verified Credits

11th to 12th Grade
A minimum of 17 credits (including three English, two math, two science, two history); 4 Verified Credits

Class Rank

Student class rank is determined by assigning point values to grades. Certain academic courses, because of their academic difficulty, receive additional grade value. Weighted grades are given for successful completion of honors courses, dual enrollment courses, Advanced Placement courses and four-year college courses. Successful completion of an AP course is defined as passing the class and taking the corresponding Advanced Placement exam.

<table>
<thead>
<tr>
<th>Course</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors course</td>
<td>Additional .5</td>
</tr>
<tr>
<td>Dual Enrollment course</td>
<td>Additional .5</td>
</tr>
<tr>
<td>Advanced Placement course</td>
<td>Additional .5</td>
</tr>
<tr>
<td>Off-campus four year college course</td>
<td>Additional 1.0</td>
</tr>
</tbody>
</table>
Honors and dual enrollment courses are given an additional .5 weighting. Advanced Placement and off-campus four-year college courses are given an additional 1.0 weighting. Certain on-line college classes may be considered for honors or Advanced Placement weighting upon review by the school administration.

Students who enter ninth grade and who have completed courses in a foreign language, Algebra, Geometry or Keyboarding will have the GPA computed to include these courses unless a written request is received from a parent to omit the course grade in the GPA. The grade would not appear on the student’s transcript and the student would NOT earn high school credit for the course. Parents MUST notify the high school IN WRITING by the end of the first semester of their 9th grade year if they choose to have the grade omitted from GPA calculation, grade removed and not earn a high school credit for the course.

<table>
<thead>
<tr>
<th>Grading Scale</th>
<th>Standard</th>
<th>Honors/DE/and AP with less than a 3 on the AP Exam</th>
<th>AP with 3,4, or 5 on the AP Exam; Longwood University and Hampden-Sydney College</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>91-100</td>
<td>4.0</td>
<td>4.5</td>
</tr>
<tr>
<td>B</td>
<td>81-90</td>
<td>3.0</td>
<td>3.5</td>
</tr>
<tr>
<td>C</td>
<td>71-80</td>
<td>2.0</td>
<td>2.5</td>
</tr>
<tr>
<td>D</td>
<td>66-70</td>
<td>1.0</td>
<td>1.5</td>
</tr>
<tr>
<td>F</td>
<td>65 and below</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

*Grades given in Dual Enrollment courses must reflect the grade scale of Southside Virginia Community College.

**Dual Enrollment Classes**

College Credits: The School Board pays the full tuition for dual enrollment courses at the high school and the cost of college textbooks used by students. To be enrolled in any dual enrollment course, students must complete Southside Virginia Community College’s application, take a college placement test given by Southside Virginia Community College and meet the minimum requirement. To receive college credit, students must achieve a “C” or better in the dual enrollment course. Any student enrolled in dual enrollment classes choosing to drop a class must do so prior to the add/drop date set by the college. Students dropping a class after that date will reimburse Prince Edward County Schools for the cost of tuition.

**Orientation**

College Success Skills (SDV 100)

**English**

College Composition I and II (ENG 111-112)

English Literature I and II (ENG 243-244)

Public Speaking I (CST 100)

**Foreign Language**

Spanish 101-102

**Health and PE**

Concepts of Personal and Community Health (HLT 110)
Mathematics
Pre-Calculus I and II (MTH 163-164)

Music
Music Appreciation (MUS 121-122)

Science
General Biology I and II (BIO 101-102)
Chemistry (CHEM 111-112)

Social Studies
Western Civilization II (HIS 102)
US Government I and II (PLS 211-212)
US History I and II (HIS 121-122)

Career and Technical Education
Computer Information Systems (ITE 115)
Advanced Computer Information Systems (ITE 215)
Electronics II (ETR 113)
Electronics III (ETR 168)
Drafting II (CAD 151 and 152)
Drafting III (CAD 231 and 232)
Nurse Aide I (NUR 120)
Nurse Aide II (NUR 195 and 196)
Criminal Justice I (ADJ 100 and ADJ 105)
Criminal Justice II (ADJ 140 and ADJ 171)
Agribusiness (AGR 142)

<p>| AA&amp;S DEGREE COMPLETION INFORMATION FOR PRINCE EDWARD HIGH SCHOOL STUDENTS |
|-----------------------------|-----------------------------|-----------------------------|
| <strong>SVCC Catalog</strong> | <strong>Credit Hours</strong> | <strong>Prince Edward H.S. Course Offerings</strong> |
| <strong>Frist Year</strong> | | |
| SDV 100 - Orientation | 1 | College Success Skills |
| ITE 115 - Basic Comp Lit | 4 | Intro to Comp Apps &amp; Concepts |
| Health/ PE | 3 | HLT 110 - Concepts of Personal &amp; Community Health |
| <strong>Second Year</strong> | | |
| Humanities Approved Elective | 4 | SPA 101-Beginning Spanish I |
| Humanities Approved Elective | 4 | SPA 102-Beginning Spanish II |
| History or Social Science Elective (Elective) | 3 | HIS 102 - Western Civilization II |
| <strong>Elective</strong> | 4 | ITE 215 - Advanced Computer Applications &amp; |</p>
<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 111 - College Composition I</td>
<td>3</td>
<td>ENG 111 - Composition I</td>
</tr>
<tr>
<td>ENG 112 - College Composition II</td>
<td>3</td>
<td>ENG 112 - Composition II</td>
</tr>
<tr>
<td>College Mathematics I</td>
<td>3</td>
<td>MTH 163 - Pre-Cal I</td>
</tr>
<tr>
<td>College Mathematics II</td>
<td>3</td>
<td>MTH 164 - Pre-Cal II</td>
</tr>
<tr>
<td>History or Social Science Elective</td>
<td>3</td>
<td>HIS 121 - U.S. History I</td>
</tr>
<tr>
<td>History or Social Science Elective</td>
<td>3</td>
<td>HIS 122 - U.S. History II</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>PSY, SOC, ART</td>
</tr>
<tr>
<td>ENG 243 - English Literature</td>
<td>3</td>
<td>ENG 243 - English Literature I</td>
</tr>
<tr>
<td>ENG 244 - English Literature</td>
<td>3</td>
<td>ENG 244 - English Literature II</td>
</tr>
<tr>
<td>Social Science Approved Elective</td>
<td>3</td>
<td>PLS 211 - U.S. Government II</td>
</tr>
<tr>
<td>Social Science Approved Elective</td>
<td>3</td>
<td>PLS 212 - U.S. Government I</td>
</tr>
<tr>
<td>Science w/ laboratory</td>
<td>4</td>
<td>BIO 101 - General Biology I</td>
</tr>
<tr>
<td>Science w/ laboratory</td>
<td>4</td>
<td>BIO 102 - General Biology II</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>64</strong></td>
<td></td>
</tr>
</tbody>
</table>
Advanced Placement Courses

Advanced Placement (AP) courses are recognized nationally and internationally as college level courses for high school students. After students complete rigorous course requirements, they take the end of the year Advanced Placement test in May. Students can earn scores from “1” to “5”, with 3 being a qualifying score according to the College Board. Credit is awarded at the discretion of the college or university. AP coursework is viewed favorably by colleges, both within and beyond Virginia. The College Board administers all policies and procedures related to Advanced Placement. AP classes and the opportunity to take AP tests are available to students in grades 10 through 12. The school board pays for the cost of the test.

The following courses are offered. Please see the course listings for specific prerequisites and requirements.

- AP Biology
- AP Calculus
- AP Chemistry
- AP English Language and Composition
- AP English Literature and Composition
- AP Statistics
- AP US History

The Governor’s School of Southside Virginia

The mission of The Governor’s School is “to provide gifted, highly motivated juniors and seniors a challenging, interdisciplinary program of studies that develops leaders who possess the skills, global perspective, and vision needed to address the challenges of a rapidly changing society.”

The Governor’s School of Southside Virginia (GSSV) is a half-day academic year program for gifted and highly motivated juniors and seniors in Southside Virginia. GSSV offers a rigorous interdisciplinary curriculum in science, math, English, and research courses. Leadership skills are developed and community service projects are encouraged. Admission to GSSV is based on a competitive selection process. Two program tracks are available, Pre-Engineering or Humanities, and students have the opportunity to earn an Associate’s Degree upon completion of the two year program. Further information regarding application requirements and course descriptions can be located at the Governor’s School of Southside Virginia’s website: http://gssv.southside.edu/.

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**STEM – 1st Semester**

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<td>EGR 120 Intro to Engineering (2) (Alberta)</td>
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**STEM – 2nd Semester**

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<td>ENG 112 College Composition II (3)</td>
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For further information, consult the high school guidance counselor or visit the GSSV web site: http://gssv.southside.edu/
Gifted Services

Prince Edward County Public Schools provides gifted services for students identified in the following areas: General Intellectual Aptitude, Specific Academic Aptitude-English and Math, and Visual Arts Aptitude. Students are offered a full range of challenging courses, including Honors, Advanced Placement, and Dual Enrollment. In addition, eligible students can participate in the academic Governor’s School of Southside Virginia, the Summer Regional Governor’s School, and the Summer Residential Governor’s Schools. Please contact the guidance department for further information regarding the gifted referral process or for additional information on gifted services.

Hampden Sydney College Course Opportunities

Students in Grades 11 and 12 may enroll in college classes at Hampden-Sydney College. Only courses taken at Hampden-Sydney College will be paid for by the college. Only courses not offered at the high school may be taken at the college level. Any exceptions must be approved by the Division Superintendent. A college registration form must be completed at the time of pre-registration. Students can obtain a registration form from the Director of Guidance. Times of courses at the college and PECHS must be compatible. Students must state first, second, and third choices. Written parental permission must be given prior to enrollment. Final registration will be approved if there is a reasonable fit between the college and high school schedule. Additional guidelines for college courses include:

1. Fifteen (15) slots are available to juniors and seniors at Hampden Sydney College, with preference given to seniors. There are no slots reserved for students as Longwood University or Southside Virginia Community College.
2. All students must have a 3.0 GPA to register in a college course.
3. PECHS will encourage diversity of students in enrollment at the college.
4. Registration, to include college registration form, must be done through the PECHS School Counseling Department, with students providing first, second and third class choices.
5. Written parental permission must be given prior to enrollment.
6. Priority is given as follows:
   a. First—to those with no college credits.
   b. Second—to those who have 12 college credits and have exhausted all classes in a certain area.
   c. Third—to those who wish to take the college level course, even though the high school course is offered, if slots are available.
7. Final registration will be approved by PECHS, if the time of the course at the college is compatible with the PECHS schedule.
8. All college courses must be at least 3 semester hours.
9. No more than 2 classes may be taken per semester.
10. All college grades must be counted in the GPA for Honors/Honor Roll.
11. PECHS will inform the college of its procedures and policies regarding enrollment at the college.

Longwood University Course Opportunities

Students in Grades 11 and 12 may enroll in college classes at Longwood University. Longwood University courses will not be paid for by PECHS or the college. Only courses not offered at the high school may be taken at the college level. A college registration form must be completed at the time of pre-registration. Students can obtain a registration form from the Director of Guidance. Times of courses at the college and PECHS must be compatible. Students must state first, second, and third choices. Written parental permission must be given prior to enrollment. Final registration will be approved if there is a reasonable fit between the college and high school schedule.
Southside Virginia Community College Course Opportunities

Students in Grades 11 and 12 may enroll in college classes at Southside Virginia Community College. Southside Virginia Community College courses will not be paid for by PECHS or the college. Only courses not offered at the high school may be taken at the college level. A college registration form must be completed at the time of pre-registration. Students can obtain a registration form from the Director of Guidance. Times of courses at the college and PECHS must be compatible. Students must state first, second, and third choices. Written parental permission must be given prior to enrollment. Final registration will be approved if there is a reasonable fit between the college and high school schedule.

Independent Study

The Independent Study Program is an excellent opportunity for conscientious seniors to schedule a supervised activity/study during a period of the school day. This area of study offers students educational experiences not provided through regular classes at the high school. Sponsors might include the following: hospitals, law firms, schools, or nonprofit organizations. The Independent Study carries a Pass/Fail grade and one Carnegie Unit of high school credit. The grade is determined by the site supervisor and school administrator. Independent Study applications may be secured through Guidance. As a part of the application process:

1. The student must obtain written permission to engage in an independent study from an organization and site supervisor;
2. The student must submit a letter from his or her parent or guardian agreeing to let the student participate in the program;
3. The student must develop a plan of action or a proposal for the study.

The program is limited to 20 students per year. NOTE: The proposal must be submitted to the Principal between April 1 and April 15 of the candidate’s junior year. Applicants will receive written notification of approval or denial by May 15. Students may only apply for one Independent Study. Students completing the application for an Independent Study are not required to complete an application for an Abbreviated Schedule.

Abbreviated Schedules

Abbreviated schedules are granted to seniors on a limited basis. Seniors must have completed at least 18 credits required for graduation. Requests for an abbreviated schedule will be reviewed on an individual basis and must be approved by the Guidance Department, the Principal, and the Superintendent during the spring scheduling process. The following restrictions apply to abbreviated schedules: 1) The student must be a senior; 2) The abbreviated schedule should be designed so a student can leave school in the afternoon; 3) The student must include proof of employment, volunteer work, continuing education, or other useful activities in the application for an abbreviated schedule. The deadline to apply for an abbreviated schedule is May 15. Students who are enrolled in an Independent Study are not required to apply for an abbreviated schedule.

NOTE: Abbreviated schedules are not automatically granted to students. Students are encouraged to take full advantage of opportunities at the high school, rather than apply for an abbreviated schedule. See a guidance counselor for an abbreviated schedule request form.

Academic Jackets

Students who maintain a 3.2 cumulative grade point average (GPA) through their junior year in high school will receive a school academic jacket, honoring them for their effort. In order to qualify for the academic jacket, a student must be enrolled in the academic courses at Prince Edward County High School and have met requirements for on-time graduation. The jacket will be presented by the end of the first semester of the senior year. Juniors who are eligible for graduation in their junior year may qualify.
Individual Student Alternative Education Plan

The Individual Student Alternative Education Plan (ISAEP) is a Commonwealth of Virginia initiative designed for those students ages 16 to 18 enrolled in high school programs who are having difficulty finding success in a regular classroom environment and are at risk of dropping out. Students must be at least one full year behind in credits compared to his/her 9th grade cohort, or over-age and have not yet reached the 9th grade, and capable of passing the GED tests.

Students may be referred by teachers, guidance counselors, parents or administrators.

Eligibility requirements for the ISAEP program include:
- Enrolled in a public education facility
- Initial Principal-Parent Student (PPS) meeting
- Student evaluation /assessment
- 7.5 grade equivalent or higher on a recognized standardized measure of reading achievement
- Achievement of the cut score or higher on each of the subtests of the Official GED Practice Test (OPT)

Enrollment requirements include:
- Career guidance counseling
- Mandatory enrollment in a GED preparation program
- Career and technical education, work-based, or career transition education

Legislation passed in the 2012 General Assembly session requires that all students enrolled in ISAEP must also be enrolled in or have completed a Board of Education-approved career and technical education credential, and the Economics and Personal Finance (EPF) course.

The student will also have an opportunity to re-enroll in a regular classroom environment at any time. Students under the age of 18 who choose to discontinue involvement in ISAEP and drop out of school are subject to court involvement under compulsory school attendance laws.

Each student enrolled in ISAEP will spend no fewer than 15 hours per week on academic preparation and no fewer than 10 hours per week on CTE skills development, and a minimum of three hours per day on academic content. A career assessment must be administered to each student enrolled.

Completion Requirements
Students will be enrolled in the program until they have met the measurable academic and CTE education goals outlined in the ISAEP plan and all other requirements for program completion. This includes passing the GED test.

J.V.G. Requirement (Jobs for Virginia Graduates): Students are required to complete a Job Skill Development program along with the successful completion of all five practice tests. Students must complete 37 competencies pertaining to: personal finance, banking, résumés, cover letters, insurance and job exploration. The J.V.G. program is a state recognized curriculum ending with the student receiving a certificate of completion. Once students have completed the J.V.G. curriculum and passed all GED practice tests and the CTEC credentialing exam, they are eligible for the final GED examination.
Homebound Instruction

The School Board shall maintain a program of homebound instruction for students who are confined for periods that would prevent normal school attendance based upon certification of need by a licensed physician, nurse practitioner or clinical psychologist.

Upon request of the student’s parent or guardian, and provided such request is certified, the Homebound Coordinator shall furnish a teacher to instruct the student at home. Any credits earned shall be considered a part of the student’s regular school work and recorded as such on the cumulative record. Credit for the work shall be awarded when it is done under the supervision of a certified teacher, a person eligible to hold a Virginia certificate, or other appropriately licensed professional, employed by the local School Board.

Applicants for homebound instruction shall be approved by the superintendent or appointed designee. Medical forms must be maintained on file. There are several categories of courses that cannot be provided through homebound instruction. These include all Dual Enrollment and Advanced Placement classes and most of the vocational courses.

Special Education Services

Prince Edward County Public Schools provides specially designed instruction to meet the unique needs of a child with an identified disability. Students with special needs are ensured access to the general curriculum, to ensure that the child has an opportunity to meet or exceed the educational standards. A child may be found eligible for special education services in the following areas: autism, deafness, deaf-blindness, developmental delay, emotional disability, hearing impairment, intellectual disability, multiple disabilities, orthopedic impairment, other health impairment, specific learning disability, speech or language impairment, traumatic brain injury, and visual impairment. Please contact the guidance department or administrator for further information regarding the special education referral process and special education services.

Virtual Virginia Courses

Prince Edward County Public Schools provides students with an opportunity to participate in distance learning through courses offered by Virtual Virginia. The Virginia Department of Education’s Virtual Virginia program offers classes designed to meet the needs of students who otherwise would be unable to take these courses due to a lack of availability or scheduling conflicts within their school. Eligible students enroll in Virtual Virginia through their local school (http://www.doe.virginia.gov/instruction/virtual_learning/index.shtml). Students may enroll in any course for which they meet all prerequisites.

EdOptions Academy

EdOptions Academy is a fully-accredited virtual school program that may be available to students on long-term out-of-school suspension from Prince Edward County Public Schools. Suspended students may be allowed to complete core content coursework for credit while remaining off site. Students must be approved to participate in this program by the Director of Support Services and must be enrolled through Prince Edward County Public Schools. Students will be required to take and pass the associated Standards of Learning assessment in order to receive a verified credit for courses completed through this program.
Course Offerings

These classes offer a guideline of possible course offerings. Due to enrollment or staffing limitations, not all classes may be offered each year.

Course Prerequisites

Prerequisites have been assigned to certain courses as a guide for making good decisions in course selection. In SOL courses, prerequisites are especially important. Students must pass at least six SOL tests in order to receive a Standard Diploma. “Students who fail to meet the requirements of a Standard Diploma will suffer the consequences of obtaining no diploma at all” (State School Board of Education, 11/30/00). Therefore, it is vitally important that students and parents make appropriate course selections, using prerequisites as a guide. Any student who has NOT met the prerequisites of a class will NOT be scheduled into that class without the signatures of a parent AND an administrator.

In certain cases, a waiver may be obtained in order to take a course in which the student has not met the prerequisites. A waiver form may be obtained from a guidance counselor. The principal or an assistant principal MUST approve the waiver. If the request for a waiver is denied, the parent may appeal the decision to the superintendent. Parents and students must use caution when seeking higher level courses without the appropriate preparation.

English

**ENGLISH 9 (10113000) --**This course is a review of basic grammatical skills with strong emphasis on vocabulary development. The ninth grade student will present and critique dramatic readings of literary selections and will develop proficiency in making planned oral presentations. As prescribed in the SOLs, students will gain knowledge of literary terms and forms that can be applied in written assignments and in the analysis of literature. Students will be introduced to literary works from a variety of cultures and eras. Writing will encompass narrative, literary, expository, and technical forms.
Prerequisite: None
CREDIT: 1 standard credit

**ENGLISH 9: HONORS (10113009) --** This course focuses on a variety of literary selections that are aligned with Honors World History prior to 1500 A.D. Students will gain a better understanding of the development of world civilizations and the literature associated with historical periods. Emphasis is placed on higher levels of critical thinking and oral communication skills. Increased requirements for research and reporting are supported by the use of technology. The curriculum is aligned with the SOLs associated with grammar, usage, mechanics, and literary terminology. Writing will encompass narrative, literary, and expository, with particular attention to analysis. This course is offered to students in Grade 9.
Prerequisite: A or B in prior English class (C+ with teacher recommendation)
CREDIT: 1 honors credit

**ENGLISH 10 (10114000) --**This course will assist the tenth-grade student in becoming a skilled communicator in small-group learning activities as prescribed in the SOLs. The student will read and critique literary works from a variety of eras and cultures. Attention will be given to the analysis of printed consumer materials, such as labels, owners’ manuals, warranties, and contracts. A variety of poetry will be read and critiqued. The student also will develop a variety of writing styles, with an emphasis on exposition.
Prerequisite: English 9
CREDIT: 1 standard credit
ENGLISH ACADEMY (10114005) -- The English Academy course will provide students additional support in reading comprehension, writing, grammar, and vocabulary. Students are identified for participation based on the results of teacher recommendation and English Readiness Assessments administered during the English 9 course. Students will earn an English elective credit for the course. The course will follow the same pace as English 10 and serve to pre-teach, support, and remEDIATE topics. Technology, as well as hands-on activities, will be used as resources to enhance learning opportunities to differentiate and meet students’ individual needs. Students will work through an individual plan targeted specifically to their areas of needs. The grading for the course is separate from the English 10 course and is dependent on completion of assignments and proficiency on assessments. This course may be taken by students who are currently enrolled in English 10. Prerequisite: Teacher recommendation CREDIT: 1 standard credit

ENGLISH 10: HONORS (10114010) -- This course correlates with Honors World History II and focuses on world literature from 1500 A.D. to the present. As mandated by the SOLs, the student will read and critique literary works from a variety of eras and cultures, including those cultures. A variety of novels will be analyzed through an interdisciplinary approach to historical periods. Other readings include poetry, dramatic selections, and short stories. Developing a high level of competency in written expression is a major goal of this course. The student will complete a research paper using the MLA format and the Internet as a research tool. Other writing assignments will include forms such as narrative writing, expository writing, and literary analysis. This course is offered to students in Grade 10. Prerequisite: English 9 or Honors English 9 with a grade of A or B (C+ with teacher recommendation) CREDIT: 1 honors credit

ENGLISH 11 (10115000) --This course stresses elements of grammar, focusing on sentence structure and skills used in composing. As prescribed in the SOLs, the eleventh-grade student will be able to create and analyze persuasive oral presentations, with attention to the accuracy of evidence and the effectiveness of delivery. The student’s appreciation for literature will be enhanced by the study of American literature. The student will identify themes and characterizations present in American Literature which are reflective of the history and culture. In addition, the student will read and analyze a variety of novels. All English 11 students are required to take the SOL Writing test and the SOL Reading, Literature and Research test. Prerequisite: English 10 CREDIT: 1 standard credit

ENGLISH 11: HONORS (10115005) --This class correlates American literature with American history as presented in the SOLs. Students read not only from the adopted anthology, but also numerous novels, short stories, and plays in an endeavor to view how the writing of the period is a reflection of the time. Students also carefully study the authors’ writing styles in an effort to determine what makes each work unique. American literary selections will be used as essay topics. Creative writing assignments are included in order to broaden students’ writing experiences. Projects and oral presentations are required throughout the year. This course is offered in Grade 11. All English 11 students are required to take the SOL Writing test and the SOL Reading, Literature, and Research test. Prerequisite: English 10 or Honors English 10 with a B or better (C+ with teacher recommendation) CREDIT: 1 honors credit

ENGLISH 11: AP ENGLISH LANGUAGE AND COMPOSITION (10119501) -- The AP English Language and Composition course engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects. This class is offered to students in Grade 11. Prerequisite: A grade of B or better in Honors English 10 and recommendation from previous English teacher. Students who have not previously taken the Pre-AP World Lit. II/Honors English 10 course will be required to submit a writing sample. (The sample will consist of an essay based on a previously released AP test, scored by the PECHS English department.) CREDIT: 1 AP credit

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DE COLLEGE COMPOSITION I - II / ENGLISH 111/112 (10116102) – This course develops writing ability for study, work, and other areas of writing based on experience, observation, research, and reading of selected literature. The course guides students in the writing process: understanding audience and purpose, exploring ideas and information, composing, revising, and editing. The course supports writing by integrating, composing, revising, editing, and integrating experiences in thinking, reading, listening, and speaking. This course will be offered to students in Grade 11. This course takes the place of English 11 and is the pre-requisite for English 243/244 British Literature.  
Prerequisite: SVCC requires that students pass the college’s placement test.  
CREDIT: 1 DE credit

ENGLISH 12 (10116000) -- This course examines British literature, as well as the literature of other cultures, with attention to many classical works - both fiction and non-fiction. Students will improve skills in expository, informational, analytical, and persuasive/argumentative writing, and they will examine how values and points of view are included, as well as excluded, and how media influences beliefs and behaviors. Emphasis is placed on extending vocabulary development through the application of word origins, derivations, and figurative language. Students will write a documented research paper using MLA format. Also, students will present and critique formal oral presentations. A component of the class is college and career readiness.  
Prerequisite: English 11  
CREDIT: 1 standard credit

DE ENGLISH LITERATURE 243/244 (10116101) --This course is a survey of English literature from Its beginning to the present. It will examine the literary transition from Old English to Modern English. Works to be studied may include the poetry and prose of the Romantic and Victorian periods and the evolution of the popular (serialized) novel. The course places emphasis on critical thinking and writing. In addition to quizzes, tests, and written analysis, two research papers following the MLA format will be required.  
Prerequisite: College Composition English 111/112  
CREDIT: 1 DE credit

ENGLISH 12: AP ENGLISH LITERATURE AND COMPOSITION (10119500) -- This is the equivalent of an introductory college-level survey class. It prepares students for the AP literature and composition exam. The course is designed for students with an interest in exploring and analyzing challenging classical and contemporary literature and a desire to analyze and interpret literary genres and themes. AP Literature and Composition is offered to students in Grade 12.  
Prerequisite: Honors English 11; A grade of C or better in AP Language and Composition or Honors American Literature and recommendation from previous English teacher. Students who have not previously taken the AP Language and Composition or Honors English 11 course will be required to submit a writing sample. (The sample will consist of an essay based on a previously released AP test, scored by the PECHS English department.)  
CREDIT: 1 AP credit

SENIOR ENGLISH SEMINAR (10116002) -- This course is designed for students who 1) have satisfactorily completed the Standards of Learning English 11 course; 2) have achieved at least a minimum proficiency on both the end- of-course English reading and writing assessments; and 3) are college intending , but may not be fully college ready. The course may also support students who meet the same academic requirements but plan to enter the work force (prepared for further work force training) directly after graduating from high school. The course will add to students’ preparation for critical reading, college and workplace writing, and career-ready communications by enhancing skills in reading, the writing process, and effective communication (speaking, listening, and collaborating). It is taken in addition to English 12.  
Prerequisite: English 11 verified credit  
CREDIT: 1 standard credit
CREATIVE WRITING I (10117100) --This course is designed to give students the opportunity to experiment with various literary genres and increase their proficiency in written expression. Students will sharpen their writing skills through practice and experimentation, and finally, develop their own style of writing. Creative Writing I is offered to students in Grades 9 - 12. Prerequisite: None
CREDIT: 1 standard credit

CREATIVE WRITING II (10117101) --This course gives those students who are serious about the development of their creative writing talents an opportunity to fine-tune their skills. Sophistication and maturity in the writing of short stories, plays, and poems will result from the in-depth “practice” in this class. Also, each student will select his/her area of interest in writing and complete a writing portfolio.
Prerequisite: Creative Writing I
CREDIT: 1 standard credit

SPEECH/DEBATE (10139500) --This course is an overview of many levels of communication. Basic communication skills as well as public speaking, debate, interpretive reading, and drama are introduced and practiced. Speech/Debate is offered to students in Grades 9 - 12.
Prerequisite: None
CREDIT: 1 standard credit

FUNDAMENTALS OF DRAMA (10141000) --This course emphasizes specific aspects of theatre, including acting, play production, set and costume design, and play writing. Through improvisational exercises and scene study, students explore the fundamentals of acting. In addition, each student is responsible for writing an original one-act play.
Prerequisite: None
CREDIT: 1 standard credit

ADVANCED DRAMA (10142000) -- This course is a survey of theatrical forms and practices from the Greeks through modern times. It examines sample plays from Greek, Medieval, Renaissance and Modern theatre. By emphasizing scene study, this course assists students to improve their acting and design skills.
Prerequisite: Fundamentals of Drama and recommendation of teacher
CREDIT: 1 standard credit

DE PUBLIC SPEAKING I (10139502) -- This course examines the elements affecting speech communication at the individual, small group, and public communication levels, with emphasis on practice of communication at each level.
This course is offered to students in Grades 11 and 12.
Prerequisite: None
CREDIT: 1 DE credit

SDV 100-DE COLLEGE SUCCESS SKILLS (13000041) -- This course assists students with transition to college, providing overviews of college policies, procedures, and curricular offerings. It encourages contacts with other students and staff, and assists students toward gaining college success through information regarding effective study habits, career and academic planning, and other college resources available to students. This course is strongly recommended for beginning students. Required for graduation.
CREDIT: 1 DE credit
Fine Arts

**ART FOUNDATIONS I (10912000)** -- This course explores specific aspects of drawing, the elements and principles of design, painting, crafts, and art history. The proper use of tools and materials, and the study of artists and multicultural assignments are also explored.
Prerequisite: None
CREDIT: 1 standard credit

**ART FOUNDATIONS II (10913000)** -- This course builds on skills developed in Art Foundations I and explores art forms, watercolor painting, pen and ink drawing, crafts, and graphics. Students are encouraged to critique their work, make qualitative judgments as to line, color, structure, balance, and form. The arts in the context of cultural and historical perspectives are stressed. The course is offered to students in Grades 10-12.
Prerequisite: Art Foundations I
CREDIT: 1 standard credit

**ADVANCED ART I (10914000)** -- In this course, students create and develop two-dimensional images using a variety of materials and techniques, including charcoal, pencil, pen and ink, and non-traditional media. Students work with subject matter that addresses the human figure, still life, portraiture, nature and architecture. After focusing on core drawing studies, students develop portfolios and sketchbooks.
Prerequisite: Art Foundations I and teacher recommendation.
CREDIT: 1 standard credit

**ADVANCED ART II (10914500)** -- This course explores drawing, painting, crafts, and ceramics. Emphasis is placed on art awareness and preparing the student for professional art exhibits and contests. Through field trips, visiting artists, and research reports, the student realizes the importance of multicultural education as a source to art enrichment. The course also provides concentrated study and demanding project work. Advanced Art II also allows the student to enhance his talent for future art career opportunities.
Prerequisite: Advanced Art I and teacher recommendation.
CREDIT: 1 standard credit

**CRAFTS (10916000)** -- This course is designed to explore unconventional and contemporary crafts, as well as the artists centered around craft movements. Craft projects will center on the Principles of Design and primarily be three-dimensional. Crafts will involve paper, recyclable materials, found objects, and other handmade items. This course requires students to think outside of the box, creating items that focus on form, function, and aesthetics.
Prerequisite: None
CREDIT: 1 standard credit

**MUSIC HISTORY, THEORY, AND APPRECIATION (10922200)** - Students will study the major historical music periods both as independent units and as they relate to the events surrounding them. Students will also study the mechanisms of formally analyzing music. Finally, students will listen to and describe in a scholarly way a wide variety of different types of music and assess why they do or do not like certain types of music.
Prerequisites: None, but basic music-reading abilities will be greatly beneficial
CREDIT: 1 standard credit

**MUS 121-DE MUSIC APPRECIATION I (10922201)** -- Increases the variety and depth of the student’s interest, knowledge, and involvement in music and related cultural activities. Acquaints the student with traditional and twentieth century music literature, emphasizing the relationship music has as an art form with man and society. Increases the student’s awareness of the composers and performers of all eras through listening and concert experiences. Part I of II.
CREDIT: 1 DE credit
MUS 122- DE MUSIC APPRECIATION II (10922202) -- Increases the variety and depth of the student’s interest, knowledge, and involvement in music and related cultural activities. Acquaints the student with traditional and twentieth century music literature, emphasizing the relationship music has an art form with man and society. Increases the student’s awareness of the composers and performers of all eras through listening and concert experiences. Part II of III.
CREDIT: 1 DE credit

CONCERT BAND (10923800) -- Students will study, prepare, and perform a variety of context-appropriate literature in both Concert Band and Marching Band settings. Either basic proficiency with a band instrument or a strong desire and effort to learn an instrument is necessary. A strong desire to use those abilities to create music as a group is also necessary.  
Prerequisite: Middle School Band or Approval from Instructor  
CREDIT: 1 standard credit

JAZZ BAND I (109223403) – This course is designed to give students an opportunity to play the works of many jazz artists and to develop an appreciation for the origin of the musical form. Students study jazz melodies and their chord/scale relatives, as well as some of the common melodic/rhythmic patterns used in jazz. The ensemble is open to all students on a competitive basis and with the approval of the instructor. An audition is required.  
Prerequisite: Audition or teacher recommendation  
CREDIT: 1 standard credit

JAZZ BAND II (10923404) – This course is designed to give students an opportunity to increase their knowledge of the jazz form and to improve their performance skills. It involves more in-depth study of jazz melodies and their chord/scale relatives as well as the melodic/rhythmic patterns used in jazz. The ensemble is open to all students on a competitive basis and with the approval of the instructor. An audition is required.  
Prerequisite: Jazz Band I, audition, and teacher recommendation.  
CREDIT: 1 standard credit

BEGINNING GUITAR (10924500) – This class is designed for students who do not already play guitar proficiently but wish to learn. Brief group instruction followed by guided individual practice time and individual instruction will optimize the interested student’s ability to learn and play guitar.  
Prerequisite: Not already able to play guitar proficiently  
CREDIT: 1 standard credit

PERCUSSION (10923800) - Students will study, prepare, and perform a variety of context-appropriate literature in both Concert Band and Marching Band settings. Either basic proficiency with some percussion instruments or a strong desire and effort to learn an instrument is necessary. A strong desire to use those abilities to create music as a group is also necessary. Students will also learn basic principles of performance on all percussion instruments.  
Prerequisites: Middle School Percussion or Approval from Instructor  
CREDIT: 1 standard credit

CONCERT CHOIR (10926000) – Students will study, prepare, and perform a variety of context-appropriate literature in a Concert Choir setting. Either basic proficiency in reading music or a strong desire and effort to learn is necessary. A strong desire to use those abilities to create music as a group is also necessary.  
Prerequisite: Middle School Choir or Approval from Instructor  
CREDIT: 1 standard credit
**Foreign Languages**

**FRENCH I (10511000)** -- This course is a basic introduction to the French language, culture, and grammar. The four basic skills - listening, speaking, reading, and writing - are introduced. The French speaking world is introduced in Level I, with emphasis placed on culture in the French-speaking countries. This course is offered to students in Grades 9-12.

Prerequisite: C in English is recommended.

CREDIT: 1 standard credit

**FRENCH II (10512000)** -- This course reinforces the four basic skills and places more emphasis on culture. It is a more in-depth study of grammar, increased usage of the language, reading in the target language, and emphasis is placed on oral proficiency. This course is offered to students in Grades 9 - 12.

Prerequisite: French I. A grade of C or better in French I is recommended.

CREDIT: 1 standard credit

**FRENCH III (10513000)** -- This course reinforces the four basic skills of reading, writing, listening, and speaking. Also covered are summaries, grammar forms, and interpretations; analysis of grammatical construction; and the meaning of sentences. This course is offered to students in Grades 10 - 12.

Prerequisite: French II. A grade of C or better in French II is recommended.

CREDIT: 1 standard credit

**FRENCH IV (10514000)** -- This course reviews and expands the grammar learned in previous levels in more detail. Conversational and grammar skills are enhanced through cultural studies and literature. This course is offered to students in Grades 10-12.

Prerequisite: French III. A grade of C or better in French III is required.

CREDIT: 1 standard credit

**GERMAN I (10521000)** -- This course is a basic introduction to the German language. The four skills - reading, writing, listening, and speaking - are incorporated into basic conversational practice, grammar introduction, writing exercises, and vocabulary work. German, Austrian, and Swiss geography and culture are introduced. This course is offered to students in Grades 9 -12.

Prerequisite: A grade of C in English is recommended.

CREDIT: 1 standard credit

**GERMAN II (10522000)** -- This course has an additional emphasis on culture and includes a more in-depth study of grammar and increased use of the target language. This course is offered to students in Grades 9 - 12.

Prerequisite: German I. A grade of C or better in German I is recommended.

CREDIT: 1 standard credit

**GERMAN III (10523000)** -- This course continues conversational practice and oral drills. Also covered are summarizations and use of personal ideas in literature concepts, advanced literature stories, compositions, grammar forms, interpretation, and analysis of grammatical construction, and the meaning of sentences. German III is offered to students in Grades 10 - 12.

Prerequisite: German II. A grade of C or better in German II is recommended.

CREDIT: 1 standard credit

**GERMAN IV (10524000)** – This course is an in-depth study of conversational skills and grammar through cultural studies. This course is offered to students in Grades 11-12.

Prerequisite: German III. A grade of C or better in German III is recommended.

CREDIT: 1 standard credit
**LATIN I (10531000)** -- This course is an intensive study of basic Latin grammar and an introduction to Roman culture, mythology, and literature. This course is offered to students in Grades 9 - 12.
Prerequisite: A grade of C or better in English is recommended.
CREDIT: 1 standard credit

**LATIN II (10532000)** -- This course is an intensive study of advanced grammatical constructions with further development of reading skills and an understanding of Roman life and thought. This course is offered to students in Grades 9 - 12.
Prerequisite: Latin II. A grade of C or better in Latin I is recommended.
CREDIT: 1 standard credit

**LATIN III (10533000)** -- This course examines the speeches and works of Cicero. This course alternates with Latin IV, and is offered to students in Grades 10-12 who have completed Latin II.
Prerequisite: Latin II. A grade of C or better in Latin II or III is recommended.
CREDIT: 1 standard credit

**LATIN IV (10534000)** -- This course examines excerpts from Virgil’s *Aeneid*. This course alternates with Latin III and is offered to students in Grades 10-12 who have completed Latin II.
Prerequisite: Latin II or Latin III. A grade of C or better in Latin II or III is recommended.
CREDIT: 1 standard credit

**LATIN V (10535000)** -- This course is a study of the orations and letters of Cicero.
Prerequisite: A grade of B or better in Latin IV is required unless recommended by teacher.
CREDIT: 1 standard credit

**SPANISH I (10551000)** -- This course is a basic introduction to the Spanish language and culture. The four basic skills - listening, speaking, reading, and writing - are introduced. Emphasis is on grammatical structure with exposure to oral communication. The culture of Spanish speaking people is emphasized. This course is offered to students in Grades 9 - 12.
Prerequisite: A grade of C or better in English is recommended.
CREDIT: 1 standard credit

**SPANISH II (10552000)** -- This course reinforces the four basic skills and continues with oral practice, listening drills, a more in depth grammar study, and practice in translation. Emphasis is on oral proficiency. Continued exposure to culture is emphasized. This course is offered to students in Grades 9 - 12.
Prerequisite: Spanish I. A grade of C or better in Spanish I is recommended.
CREDIT: 1 standard credit

**SPANISH III (10553000)** -- This course continues conversational practice and oral drills. Also covered are summarizations and use of personal ideas in literary concepts, advanced literature stories, compositions, grammar forms, interpretation and analysis of grammatical construction, and the meaning of sentences. This course is offered to students in Grades 10 - 12.
Prerequisite: Spanish II. A grade of C or better in Spanish II is recommended.
CREDIT: 1 standard credit

**SPANISH IV (10554000)** -- This course reviews and expands the grammar learned in previous classes in more detail. Conversational skills are enhanced through discussion of Hispanic literature read in class. Vocabulary is expanded through reading and conversation activities. This course is offered to students in Grades 11-12.
Prerequisite: Spanish III. A grade of C or better in Spanish III is required.
CREDIT: 1 standard credit
SPANISH V (10555000) -- This course reviews and expands the grammar learned in previous classes in more detail. Conversational skills and vocabulary are enhanced through discussions. Emphasis is on Hispanic literature, history, and culture. This course is offered to students in Grades 11-12. Prerequisite: Spanish IV. A grade of C or better in Spanish IV and teacher recommendation is required. CREDIT: 1 standard credit

DE SPANISH (10555001) Introduces understanding, speaking, reading, and writing skills and emphasizes basic Spanish sentence structure. This course may include an additional hour of oral drill and practice per week.

Health and Physical Education

HEALTH AND PHYSICAL EDUCATION I (10730001) -- This course stresses the importance of personal health and fitness, as well as nutrition and health. Topics addressed in the classroom include first aid, the dangers of alcohol and other drugs, consumer health, disease prevention and the prevention of injuries and accident. The course emphasizes the importance of physical fitness and learning the skills and fundamentals of sports activities. This course is offered to students in Grade 9. Prerequisite: None CREDIT: 1 standard credit

HEALTH AND PHYSICAL EDUCATION II/DRIVER EDUCATION (10740500) -- This course stresses the importance of getting along with others and recognizing the importance of good mental health. It elaborates on the effects that drugs, tobacco, and alcohol have on the individual and society and further emphasizes the importance of family and social health. It covers the importance of physical fitness, skills, and fundamentals in sports activities. Driver Education is taught as part of the Grade 10 Health and Physical Education curriculum. The course explains the importance of getting ready to drive, driving for safety, driving environments, driver and owner responsibilities. A fee is required for behind-the-wheel instruction. This course is offered to students in Grade 10. Prerequisite: None CREDIT: 1 standard credit

ADVANCED PHYSICAL EDUCATION (10764000) -- This course stresses the importance of understanding social issues of the community. It elaborates on the effects that drugs and drug abuse have on the individual and the society. It expands on health careers. It also explains the importance of physical fitness and conditioning, skills, strategies, and formations in sports activities. This course is offered to students in Grades 11-12. Prerequisite: Health and PE I, II CREDIT: 1 standard credit

WEIGHT TRAINING AND CONDITIONING (10764001) -- The purpose of this course is to use weight training as a method of improving body development and sports performance based on each student’s ability. Systematic weight training that applies principles of resistance, overload, and specificity will have positive effects on motor performance parameters and contributes to successful participation in sports. This course also offers mechanical aspects of conditioning which will involve selected positions and movements found in everyday and sports activities, such as standing, sitting, walking, lifting, pulling, pushing, running, jumping, throwing, catching, and striking. This course will be offered to both male and female students. This course is offered to students in Grades 11-12. Prerequisite: Health and PE I, II CREDIT: 1 standard credit

MEDICAL SCIENCE (10763002) – This is a preparatory course for anyone interested in a career in healthcare. Included in the study will be an overview of medical terminology and abbreviations; history of medicine; healthcare occupations (primary care and allied healthcare professionals); ethical and legal responsibilities; basic anatomy and physiology; safety and prevention of injury and disease; physical assessments; and communication and proper
record keeping. This course is offered to students in Grades 11-12.  
Prerequisite: None  
CREDIT: 1 standard credit  

**HLT 110-DE CONCEPTS OF PERSONAL AND COMMUNITY HEALTH (10730002)** -- Studies the concepts related to the maintenance of health, safety, and the prevention of illness at the personal and community level.  
CREDIT: 1 DE credit

**Journalism**

**NEWSPAPER JOURNALISM I (10120000)** -- This basic course teaches the fundamentals of copy writing and editing; layout and design; graphic arts; community relations and advertising; the history of the free press in America; and the definitions of propaganda and plagiarism.  
Prerequisite: None. A grade of B or better in English is recommended.  
CREDIT: 1 standard credit

**NEWSPAPER JOURNALISM II (10121000)** -- This course emphasizes the practical application of skills learned in basic journalism by producing multiple issues of a school newspaper. Emphasis is on news writing, feature writing, and other types of journalistic writing.  
Prerequisite: Journalism I  
CREDIT: 1 standard credit

**NEWSPAPER JOURNALISM III (10121100)** -- This course emphasizes the practical application of skills learned in basic journalism by producing multiple issues of a school newspaper. Emphasis is on page design, graphic arts, and advertising.  
Prerequisite: Newspaper Journalism II  
CREDIT: 1 standard credit

**NEWSPAPER JOURNALISM IV (10121200)** -- This course emphasizes the practical application of skills learned in basic journalism by producing multiple issues of a school newspaper. Emphasis is on editing, proofreading, and editorial writing.  
Prerequisite: Newspaper Journalism III  
CREDIT: 1 standard credit

**YEARBOOK JOURNALISM I (10120001)** -- This basic course teaches the fundamentals of yearbook copy writing, captioning, and editing; layout and design; and basic yearbook photography techniques including photo composition and editing. Students will gain hands-on experience with Jostens Yearbook Avenue online publishing program. They will study and analyze a variety of published yearbooks, and become familiar with Virginia High School league yearbook standards.  
Prerequisite: None. However, a grade of B or better in English is recommended.  
CREDIT: 1 standard credit

**YEARBOOK JOURNALISM II (10121500)** -- This course emphasizes the practical application of skills taught in basic journalism through publishing a yearbook. Emphasis is on feature writing, caption writing, basic page design, and photojournalism.  
Prerequisite: Yearbook Journalism I  
CREDIT: 1 standard credit

**YEARBOOK JOURNALISM III (10121600)** -- This course emphasizes the practical application of skills taught in basic journalism through publishing a yearbook. Emphasis is on advanced page design, editing, proofreading, editorial writing, photojournalism, and thematic development.  
Prerequisite: Yearbook Journalism II  
CREDIT: 1 standard credit
YEARBOOK JOURNALISM IV (10121700) -- This course emphasizes the practical application of skills taught in basic journalism through publishing a yearbook. Emphasis is on advanced page design, editing, proofreading, editorial writing, photojournalism, and thematic development. 
Prerequisite: Yearbook Journalism III
CREDIT: 1 standard credit

PHOTOGRAPHY/PHOTOJOURNALISM (10121503) -- This course teaches the fundamentals of black and white film photography and digital photography. The course will cover making and using a pinhole camera; using 35mm and digital cameras; principles of photo composition; developing black and white film; printing from negatives; organizing, correcting and printing digital photo files; the history of photography; and principles of photographic coverage of news and feature stories for newspapers and yearbooks. The course requires a $40 lab fee to cover film, photographic paper, chemicals for developing and printing film negatives, and photo paper and ink for printing digital files. Students are encouraged to have their own 35mm cameras. However, the department has a limited number of cameras which may be checked out.
Prerequisite: None.
CREDIT: 1 standard credit

ADVANCED PHOTOGRAPHY (10121504) – This course is intended for the student who wants to do guided independent work in black and white film and color digital photography. The aim of the course is to produce a portfolio and a number of framed photos for exhibition. There is a $40 lab fee. Students must have access to a digital camera; they may check out 35mm film cameras from the department.
Prerequisite: Photography/Photojournalism
CREDIT: 1 standard credit

Mathematics

(Students in grade 9 through Algebra II who fail the math SOL test retake the same class the following year, and, in effect, fail the class. When a student retakes the math class, he/she receives daily remediation during the school day. Students who fail the math SOL within a score band attend a month-long summer program focused on improving math achievement. Based on their performance, they may move to the next level of math.)

ALGEBRA I (10313002) -- Algebra I examines the language of algebra, operation of integers and rational numbers, as well as an application of rational numbers, polynomials, and factoring. Students will use tables and graphs to solve equations and inequalities, systems of equations in two variables, and functions. Graphing utilities will be used to graph linear equations, simplify radical expressions, and extend students’ knowledge of statistics. Students will be encouraged to talk about mathematics, communicate with mathematics using the language and symbols, discuss problems and problem solving, and develop confidence in mathematics.
Prerequisite: A verified credit in Math 8.
CREDIT: 1 standard credit

ALGEBRA ACADEMY (10319900) -- The Algebra Academy course provides students with additional support in Algebra I. Students earn a math elective credit for the course. The course follows the same pace as Algebra I and serves to pre-teach, support, and remediate topics. Students will use computer resources, as well as complete hands-on activities, to differentiate and meet their individual needs. Students will work through an individual plan targeted specifically to their areas of need. The grading for the course is separate from the Algebra I course and is dependent on completion of assignments and proficiency on assessments. This course may be taken by students who are currently enrolled in Algebra I.
Prerequisite: Teacher recommendation
CREDIT: 1 standard credit
**GEOMETRY (10314300)** -- Geometry is the next sequence in math after Algebra I. This course provides a basic foundation in formal geometry through the use of definitions, theorems, and postulates in establishing formal proofs and critical thinking skills, while emphasizing the connection between geometry and the physical world. Concepts will include, but are not limited to, parallel lines, angles, circles, polygons, three dimensional figures, area, and volume. 
Prerequisite: A verified credit in Algebra I.
CREDIT: 1 standard credit

**GEOMETRY ACADEMY (10314304)** -- The Geometry Academy course will provide students additional support in Geometry. Students would earn a math elective credit for the course. The course will follow the same pace as Geometry and serve to pre-teach, support, and remediate topics. Students use computer resources, as well as complete hands-on activities, to differentiate and meet their individual needs. The grading for the course is separate from the Geometry course and is dependent on completion of assignments and proficiency on assessments. This course may be taken by students who are currently enrolled in Geometry.
Prerequisite: Teacher recommendation
CREDIT: 1 standard credit

**ALGEBRA FUNCTIONS AND DATA ANALYSIS (10313400)** -- This course strengthens the math background of students prior to, or concurrently with, enrolling in Algebra II. This course is designed for students who have successfully completed the standards for Algebra, and it may be taken before or after Geometry. Students will strengthen their conceptual understanding of mathematics and further develop connections between Algebra I and Algebra II.
Prerequisite: This course will be a requirement for any student who does not have a Math 8 verified credit.
CREDIT: 1 standard credit

**ALGEBRA II (10313500)** -- This course is designed for students who seek the Advanced Studies Diploma. It provides a comprehensive awareness of algebra, including a brief review of fundamental techniques learned in Algebra I. It provides a foundation in both linear and abstract algebra along with problem solving, systems, radicals, quadratic equations, matrices, functions, and conic sections.
Prerequisite: A verified credit in Algebra I with a grade of C+ or higher.
CREDIT: 1 standard credit

**TRIGONOMETRY/PRE-CALCULUS (10316101)** -- The Pre-Calculus phase of this course provides an in-depth review of functions and their properties to include graphing; functional combinations; polynomial and rational functions; exponential and logarithmic functions; matrices and determinants and their applications. The Trigonometry phase provides a comprehensive study of Trigonometry to include the six trigonometric functions, their graphs and applications; radian measure; identities and their proofs; inverse functions; and the solution of triangles.
Prerequisite: A verified credit in Algebra II with a grade of B or higher and teacher recommendation.
CREDIT: 1 honors credit

**AP STATISTICS (10319002)** -- This is a first-year statistics course on the college level. It covers descriptive statistics, elementary probability, probability distributions, estimation and hypothesis testing with emphasis on correlation and regression, analysis of variance, chi-square tests, and non-parametric methods.
Prerequisite: A grade of B or better in Algebra II, Trigonometry/Pre-Calculus, and teacher recommendation.
CREDIT: 1 AP credit

**AP CALCULUS (10317700)** -- This is a first-year calculus course on the college level. The first half includes topics such as limits, derivatives (both explicit and implicit) and differentials, concavity and points of inflection, anti-derivatives, integrals, and applications. The second half continues with such topics as applications of the integral to areas and volumes; exponential and logarithmic functions; function inverses; and methods of moments and center of mass.
Prerequisite: A grade of B or better in Trigonometry/Pre-Calculus.
CREDIT: 1 AP credit

**COMPUTER MATHEMATICS (10318402)** – This math offering involves using the graphing calculator as the primary computing device. The course is considered “above the level of algebra and geometry” and may be used to satisfy a standard unit of credit toward the Standard and Advanced Studies Diplomas. There is no SOL test associated with this course. (Please see SUPTS MEMO No. 184.)
Prerequisite: A verified credit in Algebra I.
CREDIT: 1 standard credit

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**Science**

**EARTH SCIENCE (10421000)** -- This course is a study of the air, water, and land regions of the Earth and its place in the universe. This is a study of major geological processes that affect dramatic changes in the Earth’s surface. Students will utilize critical thinking skills to develop simulations of real world applications. Investigations are mainly conducted within the class period. This course is offered to students in Grade 9.
Prerequisite: None
CREDIT: 1 standard credit

**HONORS EARTH SCIENCE (104421002)** -- This course is an intensive study of major geological processes that affect dramatic changes in the Earth’s surface. Students will utilize critical thinking skills to develop simulations of real world applications. Issues or case studies will be researched, whereby students will develop an experimental design to collect and analyze data. Students will keep scientific journals to monitor comparisons and contrasts of events throughout the world. Laboratory investigations will incorporate field studies of scientific principles. Reading selections will be suggested as additional background information.
Prerequisite: A grade of B or above in middle school science is recommended.
CREDIT: 1 honors credit

**ENVIRONMENTAL SCIENCE** -- The goal of the Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world; to identify and analyze environmental problems, both natural and human-made; to evaluate the relative risks associated with these problems; and to examine alternative solutions for resolving or preventing them. This course will be offered as an elective and does not replace Earth Science in Grade 9.
Prerequisite: Passing grade in Earth Science or Biology
CREDIT: 1 standard credit

**GEOLOGY (10424000)** -- This course is an investigative study of physical and historical geological processes that create catastrophic disasters, dynamic complex global changes to the earth. Case studies include qualitative and quantitative analysis of environmental and global issues caused by geological differences found within the earth’s interior.
Prerequisite: Earth Science. A grade of C or better is recommended.
CREDIT: 1 standard credit

**BIOLOGY (10430500)** -- This course is a survey of living organisms and emphasizes classification, cell structure and function, genetics, and evolution theory. Also included are the six kingdoms, systems of the human body, and ecology. This course is offered to students in Grade 9 & 10.
Prerequisite: None
CREDIT: 1 standard credit

**HONORS BIOLOGY (10431004)** -- This course is an in-depth study of major biological concepts which will enable
students to better understand the world around them. Major concepts such as the environment, the cell, metabolism, growth, and genetics will be emphasized. A deeper understanding of human life and other life forms will be emphasized. How the environment and organisms interact will be explored at all levels. Students will be required to keep a detailed laboratory notebook which will contain hypotheses, observations, and conclusions. Students will use the scientific method to learn more about scientific principles.

Prerequisite: A grade of B or above in previous science classes.
CREDIT: 1 honors credit

ADVANCED SURVEY OF BIOLOGY TOPICS (10432000) -- This course allows students to further investigate topics introduced in Biology and Earth Science. Topics include: virology, bacteriology, forensics, zoology, marine biology, applications of Chemistry & Biochemistry, Oceanography, and Meteorology. Laboratory investigations will include some fieldwork.
Prerequisite: A grade of C or better in Biology is recommended.
CREDIT: 1 standard credit

AP BIOLOGY (10437000) -- This course is an equivalent college-level introductory organismal biology course, designed to be taken by students who have successfully completed a first course in high school biology and high school chemistry. It aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing field of biology. Descriptive and experimental laboratory exercises will be assigned. Students are required to keep a detailed lab notebook, submit written lab reports, and conduct field studies. Dissections are required. Students are expected to prepare for and to take the AP Biology exam at the end of the course.
Prerequisite: A grade of B or better in Honors Biology and teacher recommendation.
CREDIT: 1 AP credit

DE BIOLOGY (10431005) -- This Course explores fundamental characteristics of living matter from the molecular level to the ecological community with emphasis on general biological principles. It introduces the diversity of living organisms, their structure, function and evolution. Laboratory will make up half of the course.
Prerequisite: Biology with a grade of A or B and teacher recommendation, or Honors Biology with a grade of A or B. All students must have passed the Dual Enrollment Virginia Placement Test.
CREDIT: 1 DE credit

DE HUMAN ANATOMY AND PHYSIOLOGY (10462004) -- Integrates the study of gross and microscopic anatomy with physiology, emphasizing the analysis and interpretation of physiological data. Laboratory will make up half of the course.
Prerequisite: Biology with a grade of A or B and teacher recommendation, or Honors Biology with a grade of A or B. All students must have passed the Dual Enrollment Virginia Placement Test.
CREDIT: 1 DE credit

GENERAL CHEMISTRY (10441011) -- This course will serve as an introduction to atoms, molecules and bonding. Topics of discussion include, but are not limited to, the discussion of petrochemicals, plastics, fibers, body chemistry, foods, drugs, and poisons. Students will also study the chemistry involved in air and water pollution. Chemical and nuclear energy will also be discussed.
Prerequisite: A grade of C or better in Biology and Algebra II.
CREDIT: 1 standard credit

HONORS CHEMISTRY (10441009) -- This is a fast-paced course designed for advanced science students. It provides an intensive study of the basic concepts of chemistry with special emphasis on acid-base chemistry, thermochemistry, kinetics, bonding atomic structure and periodicity. A strong problem-solving approach is utilized.
Prerequisite: Biology and Algebra II with a grade of B or better
CREDIT: 1 honors credit
**AP CHEMISTRY (10447000)** – This course is geared toward highly motivated students with interests in chemical and physical sciences. AP Chemistry builds on concepts covered in a regular chemistry course, using greater detail in concept exploration and lab investigation. Topics include atomic theory, chemical bonding, phases of matter, solutions, types of reactions, equilibrium, reaction kinetics, and thermodynamics. Prerequisite: Honors Chemistry with a B or better. CREDIT: 1 AP credit

**DE CHEMISTRY (10441004)** -- Explores the fundamental laws, theories, and mathematical concepts of chemistry. Designed primarily for those interested in becoming science and engineering majors. Requires a strong background in mathematics. Laboratory will make up half of the course. Prerequisite: Trigonometry with a C or better. Chemistry with an A or B and teacher recommendation. CREDIT: 1 DE credit

**ANATOMY AND PHYSIOLOGY (10462002)** – This course is designed to provide students with an in-depth study of the structure and function of the human body. The skeletal, muscular, circulatory, digestive, excretory, nervous and endocrine systems are included. The course examines the tissues that make up organs, the functions of these organ systems, and how the human body is constructed to allow motion and activity. A research paper and dissections are required. Prerequisite: A grade of C or better in Biology CREDIT: 1 standard credit

**PHYSICS (10451001)** -- This course is designed to include studies of measurement, motion, work energy and transformations between them; kinetics, dynamics, waves, light and its properties; electricity, magnetism, nuclear reactions, and subatomic physics. This course is offered to students in Grades 10-12. Prerequisite: A grade of B or higher in Algebra II, and successful completion of or concurrent enrollment in Trigonometry. CREDIT: 1 standard credit

**Social Studies**

**WORLD HISTORY I (10234000)** -- In this course, students will examine the evolution of early man and the rise of civilizations. Students will analyze and evaluate the impact of the Greeks and Romans on the development of Western Europe. Students will explore the fall of the Roman Empire, the rise of feudal society, and the impact of the Viking invasions during the Middle Ages. This course includes the study of the origins, traditions, customs, beliefs, and the spread of world religions such as Christianity, Islam, Judaism, Buddhism, and Hinduism prior to 1500 A.D. This course is offered to students in Grade 9. Prerequisite: None CREDIT: 1 standard credit

**HONORS WORLD HISTORY I (10234008)** -- This course is designed to prepare students for Advanced Placement course work with an added emphasis on critical thinking skills, document analysis, and independent study. In this course, students will examine the evolution of early man and the rise of civilizations. Students will analyze and evaluate the impact of the Greeks and Romans on the development of Western Europe. Students will explore the fall of the Roman Empire, the rise of feudal society, and the impact of the Viking invasions during the Middle Ages and the Renaissance. The course includes the study of the origins, traditions, customs, beliefs, and spread of world religions such as Christianity, Islam, Judaism, Buddhism, and Hinduism prior to 1500 A.D. Students will demonstrate skills in historical research and the use of primary and secondary resources. This course is offered to students in Grade 9. Prerequisite: A grade of B or above in prior social studies course; a passing score on the 8th grade Reading SOL test and teacher recommendation. CREDIT: 1 honors credit
**WORLD HISTORY II (10234003)** -- This course is a comprehensive survey of World History from 1500 A.D. to the present, with emphasis on Western Europe and its impact on the non-Western world. Students will examine the history, literature, art, architecture, music, and philosophy of western civilizations beginning with the Renaissance. In addition, students examine the rise of nation-states, the Scientific Revolution and the Industrial Revolution, World War I, World War II, and the Cold War. Students demonstrate skills in historical research by identifying, analyzing, and interpreting primary and secondary sources. World History II is offered to students in Grade 10. Prerequisite: None CREDIT: 1 standard credit

**HONORS WORLD HISTORY II (10234007)** -- This course is designed to prepare students for Advanced Placement course work with an added emphasis on critical thinking skills, document analysis, and independent study. It is a comprehensive survey of World History from 1500 A.D. to the present, with emphasis on Western Europe and its impact on the non-Western world. Students examine the history, literature, art, architecture, music, and philosophy of western civilizations, beginning with the Renaissance. In addition, students examine the rise of nation-states, the Scientific Revolution and the Industrial Revolution, World War I, World War II, and the Cold War. Students demonstrate skills in historical research by identifying, analyzing, and interpreting primary and secondary sources. This course is offered to students in Grade 10. Prerequisite: A grade of B or above in Honors World History I and teacher recommendation. Students who have not previously taken the Honors World History I course will be required to submit a writing sample. CREDIT: 1 honors credit

**DE WESTERN CIVILIZATION /WORLD HISTORY II (10406300)** -- This is a college-level class, with an emphasis on critical thinking skills, writing skills, research skills, document analysis and independent study. In this course, students experience an in-depth study of the history of the World from 1500 A.D. to the present, with emphasis on Western Europe and its impact on the non-Western world. Students examine the history, literature, art, architecture, music and philosophy of western civilizations, beginning with the Renaissance. In addition, students examine the rise of nation-states, the Scientific Revolution, the Industrial Revolution, World War I, World War II, and the Cold War. Students demonstrate skills in content and historical research by identifying, analyzing, and interpreting primary and secondary sources. Prerequisite: A verified credit in World History I and a teacher recommendation. Students who have not taken the World History I course will be required to submit a writing sample. CREDIT: 1 DE credit

**VIRGINIA AND UNITED STATES HISTORY (10236000)** -- This course encompasses the development of American ideals and institutions through the study of major events, eras, cultures, nationalities, and personalities of Virginia and United States history from the age of exploration to the modern era. The historical development of the Declaration of Independence, the Constitution of the United States, the Virginia Declaration of Rights, the Virginia Statute of Religious Freedom, and basic principles inherent in these documents are examined and related to everyday life. This course is offered to students in Grade 11. Prerequisite: CREDIT: 1 standard credit

**DE VIRGINIA AND UNITED STATES HISTORY (10236007)** – This is a college-level course, with an emphasis placed on writing skills, debate skills, and research projects. In this course, students experience an in-depth study of the history of the United States from its settlement to the present. Students are expected to write expository papers with higher levels of critical thinking and analysis and to demonstrate an understanding of such topics as the Revolutionary period, the Constitutional Era, effects of the Civil War, and the Civil Rights Movement. Students study American, foreign, and domestic policy through the perspectives of political parties and the Supreme Court. Prerequisite: A verified credit in World History and teacher recommendation. CREDIT: 1 DE credit
AP VIRGINIA AND UNITED STATES HISTORY (10231900) -- This AP history course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in US History. It reflects the content of an introductory college course in US History and is based on survey data from more than 100 colleges and universities. Students are required to take the AP US History exam at the conclusion of the course. This course is offered to students in Grade 11. Prerequisite: Honors World History II and teacher recommendation. CREDIT: 1 AP credit

VIRGINIA AND UNITED STATES GOVERNMENT (10244000) -- This course examines the basic structures of government and basic documents, including the Constitution of the United States, the State Constitution, and other historical documents. The decision-making processes at the local, state, national, and international levels are emphasized. This class is offered for students in Grade 12. Prerequisite: Virginia and US History CREDIT: 1 standard credit

DE UNITED STATES GOVERNMENT (10244000) -- Seniors will study the political, economic, and legal systems that govern our nation as well as the interdependence of the United States as part of the global community. The basic principles of American social, economic, and political institutions will be covered. Emphasis is given to the structure and government of the federal, state, and local branches of government. A critical component of the class will be the students’ ability to analyze historical and political concepts. This course is offered to students in Grade 12. Prerequisite: A grade of B or above in Virginia and US History is recommended. CREDIT: 1 DE credit

PSYCHOLOGY (10290000) –This course explores the field of psychology. Topics covered include sensation/perception, learning, intelligence, human development, theories of personality, psychological disorders, and stress. All students are required to complete a research paper. This course is offered to students in Grades 11 and 12 only. Prerequisite: None CREDIT: 1 standard credit

ECONOMICS AND PERSONAL FINANCE (10612001) -- Instruction in economics and personal finance prepares students to function effectively as consumers, savers, investors, entrepreneurs and active citizens. Students learn how economies and markets operate and how the United States’ economy is interconnected with the global economy. On a personal level, students learn that their own human capital (knowledge and skills) is their most valuable resource. Students explore many facets of financial decision-making involved in daily life. Skills in money management, record keeping, and banking are enhanced through the study of basic concepts of economics, insurance, credit, and other related topics. This course is required for graduation and is offered to students in Grades 9-12. Prerequisite: None CREDIT: 1 standard credit

CAREER AND TECHNICAL EDUCATION COURSES

Who is a Career and Technical Education Program Completer?
A career and technical education completer is a student who has met the requirements for a career and technical education concentration (two-course 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.

What is a Career and Technical Education Program Concentration?
A concentration is a coherent sequence of state-approved courses as identified in the course listings within the Administrative Planning Guide.

Two Sequential Electives

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 sequence 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, shall be identified in the Academic and Career Plan as described in Board of Education regulations, and shall be developed by the school division, consistent with Board of Education guidelines and as approved by the local school board.

What is a Career and Technical Education Program Specialization?
A specialization is a student choice to take additional courses beyond a minimum completer course sequence in a specific career area related to his/her career pathway.

What are Career and Technical Education Credentials, Certifications, or Licenses?
Completion of certain skill sets and coursework enable students to participate in state Board of Education approved assessments for industry certifications, a state license, or national and/or occupational competency certifications. Students who earn these credentials are eligible to earn verified credits toward graduation requirements.

Agricultural Education
Students may choose two or more courses from Animal Sciences, Power and Technical Systems, or Horticulture Sciences for concentration or specialization sequences. Agribusiness can only be coupled with Introduction to Animal Systems.

INTRODUCTION TO ANIMAL SYSTEMS (10800800) -- 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. This course is offered to students in Grades 9 and 10
CREDIT: 1 standard credit

DE AGRIBUSINESS (10802600) -- The purpose of this course is to introduce Agribusiness students to plants, their growth, morphology, plants, soil and water relations and energy conversions. This course will also introduce students to plant science, ecology, plant morphology, plant and soil relations and energy conversions. Students will survey agricultural crops and their applications to the agricultural economy. Students will also be introduced to the science
and technology involved in sustainable animal production and management practices. Students will study beef, sheep, horses, dairy, swine, goats, and poultry included with an emphasis on practical experiences in laboratory and farm settings. This course is offered to students in Grades 11 and 12 and is aligned with AGR 142.
Prerequisite: Introduction to Animal Science
CREDIT: 1 DE credit

**VETERINARY SCIENCE (10808800)** --This course enables students to acquire the employability and technical knowledge and skills needed to succeed in postsecondary education as well as in a career in veterinary medicine or a related occupation. Course content integrates application of academics, development of career competencies, and instruction in course-specific knowledge and skills, such as the use of tools, equipment, and facilities related to veterinary medicine. Business management, leadership, and FFA activities are included in the course. Students enrolled in the course should have a strong background in math and science and should be familiar with small animal care. This course is offered to students in Grades 11 and 12.
Prerequisite: Introduction to Animal Systems. Recommended prerequisite: Biology
CREDIT: 1 standard credit

**INTRODUCTION TO POWER, STRUCTURAL, AND TECHNICAL SYSTEMS (10801600)** --Throughout this introductory level Agricultural Power course, students will receive instruction in the areas of basic engine principles, power trains, hydraulics, and electrical systems. The course will also address the areas of building structures, metal fabrication, and precision agricultural management. This course is offered to students in Grades 10 and 11.
Prerequisite: None
CREDIT: 1 standard credit

**AGRICULTURAL POWER SYSTEMS (10801800)** -- Instruction in agricultural power systems will focus on increasing the depth of study in power and technical systems. Areas of these systems to be addressed are engines, power trains, hydraulics, electrical, and fuels. Instruction will also be provided in precision measurement, leadership, and career skills. Grades 11 and 12.
Prerequisite: Introduction to Power, Structural, and Technical Systems
CREDIT: 1 standard credit

**HORTICULTURE SCIENCES (Horticulture I) (10803400)** -- In this course students develop the necessary knowledge, skills, habits and attitudes for entry-level employment and advancement in areas such as floriculture, landscape design, greenhouse operation, nursery plant production, and turf management. They receive instruction in using soil and other plant-growing media and in identifying, propagating, and growing horticultural plants in the greenhouse and land laboratory. Instruction is provided in safety practices and in leadership development. This course is offered to students in Grades 9-11.
Prerequisite: None
CREDIT: 1 standard credit

**LANDSCAPING (Horticulture II) (10803600)** – In this course, students develop the necessary knowledge, skills, habits, and attitudes for entry-level employment and advancement in areas such as landscape design, landscape construction, and landscape maintenance. They receive instruction in sketching and drawing, analyzing a landscape site, designing for function and aesthetics, identifying and selecting landscape plants, purchasing and installing plants, and maintaining the landscape by watering, fertilizing, mulching, pruning, and controlling pests. This course is offered to students in Grades 10-12.
Prerequisite: Horticulture Sciences
CREDIT: 1 standard credit

**FLORICULTURE (Horticulture III) (10803800)** – Students learn the basics of the horticulture plant production industry. Instruction includes the science of plant production as well as marketing and business management. Plant material identification and floral design round out this course to prepare the student for an entry-level position in the floriculture industry. Participation in FFA activities provides leadership development opportunities. This course is offered to students in Grades 11-12.
Prerequisite: Horticulture Sciences
CREDIT: 1 standard credit

**Business and Information Technology**

Students may choose two or more courses from Business and Information Technology for a concentration or specialization sequence.

**PRINCIPLES OF BUSINESS AND MARKETING (10611600)** -- Students explore the roles of business and marketing in the free enterprise system and global economy. They study how the American economy operates and prepare to make decisions as consumers, wage earners, and citizens. This course is offered to students in Grades 9-12.
Prerequisite: None
CREDIT: 1 standard credit

**KEYBOARDING APPLICATIONS (10615100)** -- Students develop or refine touch skills for entering alphabetic, numeric, and symbol information on a keyboard. Students apply keyboarding skills to produce a variety of personal and business documents. This course is offered to students in Grades 9-12.
Prerequisite: None
CREDIT: 1 standard credit

**BUSINESS LAW (10613100)** -- This course incorporates economic and social concepts as they relate to laws affecting businesses and individuals. Course topics include contracts; bailments; employment; property, sales, and insurance laws; business organization; commercial paper; bankruptcy; agencies and trusts; and business law careers. Students examine the foundations of the American legal system. This course is offered to students in grades 10-12.
Prerequisite: None
CREDIT: 1 standard credit

**ECONOMICS AND PERSONAL FINANCE (10612001)** -- Instruction in economics and personal finance prepares students to function effectively as consumers, savers, investors, entrepreneurs and active citizens. Students learn how economies and markets operate and how the United States’ economy is interconnected with the global economy. On a personal level, students learn that their own human capital (knowledge and skills) is their most valuable resource. Students explore many facets of financial decision-making involved in daily life. Skills in money management, record keeping, and banking are enhanced through the study of basic concepts of economics, insurance, credit, and other related topics. This course is required for graduation and is offered to students in Grades 10-12 and cannot be counted toward a concentration or specialization sequence.
Prerequisite: None
CREDIT: 1 standard credit

**ACCOUNTING (10632000)** -- Students study the basic principles, concepts, and practices of the accounting cycle. Students learn fundamental accounting procedures using manual and electronic systems. This course is offered to students in Grades 10-12.
Prerequisite: None
CREDIT: 1 standard credit

**ADVANCED ACCOUNTING (10632100)** -- Students gain in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. They use the calculator, computer, and accounting software, with emphasis on electronic spreadsheets to analyze and interpret business applications. This course is offered to students in Grades 11-12.
Prerequisite: Accounting
CREDIT: 1 standard credit

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DE COMPUTER INFORMATION SYSTEMS (10661201) -- Students apply problem-solving skills to real-life situations through database, spreadsheets, and word processing software; charting; and integrated activities. They work individually and in groups to explore data/telecommunications, operating systems, and basic networking principles. This is a dual enrollment class offered to students in Grades 11-12 or students in the Associate Degree Cohort. This course is aligned with ITE 115. Prerequisite: Keyboarding Applications CREDIT: 1 DE credit

DE ADVANCED COMPUTER INFORMATION SYSTEMS (10661300) -- Students apply problem-solving skills to real-life situations through advanced integrated software applications, including printed, electronic and Web publications. Students work individually and in groups to explore advanced computer maintenance activities, Web site development, programming, networking, emerging technology, and employability skills. This is a dual enrollment class offered to students in Grades 11-12 or any student that has successfully completed DE CIS. The class is aligned with ITE 215. Prerequisite: DE Computer Information Systems CREDIT: 1 DE credit

OFFICE ADMINISTRATION (10662100) -- Students enhance word processing and communication skills as they develop competencies needed by administrative support professionals. Students study office procedures such as electronic calculation, records management, telecommunications, word processing, financial recordkeeping, and business communications. Students participate in job training (shadowing) to gain real office experience. This course is offered to students in Grades 9-12. Prerequisite: Keyboarding Applications CREDIT: 1 standard credit

DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES (10663000) -- Students develop proficiency in creating desktop publications, multimedia presentations/projects, and Web sites using industry standard application software. Students incorporate principles of layout and design in completing publications and projects. Students design portfolios that may include business cards, newsletters, mini-pages, Web pages, multimedia presentations/projects, calendars, and graphics. Completion of this course may prepare students for industry certifications. This course is offered to students in Grades 10-12. Prerequisite: Keyboarding Applications CREDIT: 1 standard credit

MEDICAL SYSTEMS ADMINISTRATION (10673000) -- Students explore a career as an administrative medical assistant. Receptionist duties; telephone procedures; appointment schedules; patient records; medico-legal responsibilities; filing; office maintenance and management; office communications; processing mail; travel arrangements; drugs and prescriptions; fees, credit and collection; banking; bookkeeping; payroll procedures; accident and health insurance; computers and information processing are incorporated in the course. This course is offered to students in Grades 9-12. Prerequisite: Keyboarding Applications CREDIT: 1 standard credit

Jobs for Virginia Graduates

JOBS FOR VIRGINIA GRADUATES SEMINAR (10909500) -- This course focuses on the attainment of job skills
and career preparation. Students will learn how to make business presentations and create effective resumes, produce effective letters of application and proper resignations. Other topics include insurance, budgeting, business mathematical problems, the calculation of interest, how to prepare for employment tests, interviewing skills, and the filling out of various applications. Students will collaborate on projects and enhance their 21st Century skills. At the end of the course students earn a Certificate of Mastery for completion of the needed 81 competencies. This course is offered to students in grades 11-12. CREDIT: 1 standard credit

**Health and Medical Sciences**

Students may choose two or more courses from Health and Medical Sciences for a concentration or specialization sequence.

**INTRODUCTION TO HEALTH AND MEDICAL SCIENCES (10830200)** --This course introduces the student to a variety of health care careers and develops basic skills required in all health and medical sciences. It is designed to help students understand the key elements of the U.S. health care system and to learn basic health care terminology, anatomy and physiology for each body system, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of traumatic and medical emergency care. Throughout the course, instruction emphasizes safety, cleanliness, asepsis, professionalism, accountability, and efficiency within the health care 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. This course is offered to students in Grades 9 and 10.

CREDIT: 1 standard credit

**DE NURSE AIDE I (10836000)** --This course is offered as an occupational preparation course that emphasizes the study of nursing occupations as related to the health care system. Students study normal growth and development, simple body structure and function, and medical terminology and are introduced to microbes and disease. Students learn diseases and body systems as related to advanced clinical care of the acute medical-surgical patient, the chronically ill, and the elderly. They receive elementary skill training in patient-nursing assistant relationships; taking and recording of vital signs; cardiopulmonary resuscitation; and bathing, feeding, dressing, and transporting of patients in hospitals and nursing homes. Limited on-the-job instruction in nursing homes and hospitals is part of the course. This course can be used as an introduction to practical nursing or to prepare the student for Nurse Aide II so that all competencies for a certified nursing assistant are met. CPR certification is required. This course is double-blocked and is aligned with NUR 120. This course is offered to students in Grades 10 and 11.

Prerequisite: An application is required, Students must have a C or above in Introduction to Health and Medical Sciences.

CREDIT: 2 DE credits

**DE NURSE AIDE II (10836200)** --This course 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. 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. This course is double-blocked and aligned with NUR195 and 196. This course is offered to students in Grades 11-12.

Prerequisite(s): Students must have a C or above in DE Nurse Aide I.

CREDIT: 2 DE credits

**EMERGENCY MEDICAL TECHNICIAN-BASIC (10833300)** – This course prepares students for certification as a Virginia and National Registry EMT-Basic. It includes all aspects of pre-hospital basic life support as defined by the Virginia Office of Emergency Medical Services curriculum for Emergency Medicine Technician Basic. It must be taken along with CARDIOPULMONARY RESUSCITATION, which provides training in coordinated mouth-to-mouth artificial ventilation and chest compression, choking, life-threatening emergencies, and sudden illness.

Prerequisite: Must be at least 16 years old
FIRE SCIENCE TECHNOLOGY (10870500) – This course prepares students for certification as a Virginia Firefighter Level I. It covers all aspects of firefighting and emergency response in accordance with National Fire Protection Association. It must be taken along with CARDIOPULMONARY RESUSCITATION, which provides training in coordinated mouth-to-mouth artificial ventilation and chest compression, choking, life-threatening emergencies, and sudden illness.
Prerequisite: Must be at least 16 years old
CREDIT: 1 standard credit

SPORTS MEDICINE I (10763001) – This course of studies provides students with the basic concepts and skill set required for an entry-level position as a sports medicine assistant. It introduces students to topics such as injury prevention, nutrition, first aid/CPR/ AED, exercise physiology, and biomechanics. Students study basic human anatomy and physiology, medical terminology, legal and ethical issues in sports medicine, and career preparation. Course competencies have been constructed so as not to go beyond the professional scope of aide/assistant level. Mastery of the material in this course would provide students with a strong background should they wish to pursue certification in areas such as first aid, CPR, AED, and/or personal trainer. This course is offered to students in Grades 11-12.
Prerequisite: Introduction to Health Occupations is recommended.
CREDIT: 1 standard credit

Trade and Industrial Education

Automotive Technology

Students may choose two or more courses from Automotive Technology for a concentration or specialization sequence.

AUTOMOTIVE TECHNOLOGY I (10850600) -- In this first course of the three-course program, students learn all aspects of repair, safety, and customer service by concentrating on two of the primary ASE/NATEF areas for certification (i.e., areas V. Brakes and VI. Electrical/Electronics). Students who successfully complete this portion of the program will be prepared to take and pass the respective ASE/NATEF exam and will be prepared for postsecondary education opportunities. This course is offered to students in Grades 9-11.
CREDIT: 1 standard credit

AUTOMOTIVE TECHNOLOGY II (10850700) -- In this second course of the three-course program, students learn all aspects of repair, safety, and customer service by concentrating on two of the primary ASE/NATEF areas of certification (i.e., IV. Suspension and Steering and VIII. Engine Performance). Students who successfully complete this portion of the program will be prepared to take and pass the respective ASE/NATEF exam and will be prepared for postsecondary education opportunities. This course is offered to students in Grades 10-12.
Prerequisite: A grade of C or above in Automotive Technology I; students must complete an application and be accepted in the program. This course is double-blocked.
CREDIT: 2 standard credits

AUTOMOTIVE TECHNOLOGY III (10850800) -- In this capstone course of the three-course program, students master all aspects of repair, safety, and customer service by concentrating on the remaining tasks from the four primary ASE/NATEF areas for certification (i.e., IV. Suspension and Steering, V. Brakes, VI. Electrical/Electronics, and VIII. Engine Performance). Students who successfully complete this program will be prepared to take and pass the respective ASE/NATEF exam and will be prepared for postsecondary education opportunities. The four remaining ASE/NATEF areas for certification (i.e., I. Engine Repair, II. Automatic Transmission and Transaxle, III. Manual Drive Train and Axles, and VII. Heating and Air Conditioning) have been added to the course task list as optional
Building Trades and Carpentry

Students may choose two or more courses from Building Trades or Carpentry for a concentration or specialization sequence.

**BUILDING TRADES I (10851500)** -- This course introduces students to skills in the four core areas of residential construction: masonry, carpentry, electricity, and plumbing. Students emphasize safety by preparing to earn the OSHA 10 card as they build or repair entire residential structures, using a variety of materials and tools. This course is offered to students in Grades 9-11. Prerequisite: None. CREDIT: 1 standard credit.

**BUILDING TRADES II (10851600)** -- This course teaches students advanced skills in masonry, carpentry, electricity, and plumbing. The class prepares students to synthesize these valuable skills to build or repair complete residential structures, using a variety of materials and tools. This course is offered to students in Grades 10-12. This course is double-blocked. Prerequisite: Successful completion of Building Trades I. CREDIT: 2 standard credits.

**CARPENTRY I (10851709)** -- Carpentry I is the building block for achieving high-level construction industry skills that can result in an exciting and lucrative career. With an emphasis on safety, students are taught to use hand and power tools, cut stock, apply construction mathematics, and interpret blueprints. Students will become proficient in identifying types of residential construction components to form foundations and frame walls, floors, ceilings, roofs, doors, and windows. All students will obtain the required OSHA 10 safety credential. This course is offered to students in Grades 10-12. Prerequisite: None. CREDIT: 1 standard credit.

**CARPENTRY II (10851710)** -- Carpentry II leads to successful transition into postsecondary education for careers in carpentry and related fields, such as construction management, architecture, and others. Students are taught the safe use of hand and power tools common to the industry to complement their OSHA 10 safety credential earned in Carpentry I. Students will become proficient in assembling and installing various types of residential construction components that are current with industry standards, including rigging and job-estimating procedures, forming foundations, framing floors, walls, ceiling, roofs, trusses, roofing materials, stairs, exterior doors and windows, decks, and porches. This course is double-blocked. This course is offered to students in Grades 11-12. Prerequisite: Successful completion of Carpentry I. CREDIT: 2 standard credits.

Criminal Justice

Students may choose two or more courses from Criminal Justice for a concentration or specialization sequence.

**DE CRIMINAL JUSTICE I (10870200)** -- Students are introduced to the principles, techniques, and practices for pursuing careers within the criminal justice services system. This course encompasses the SVCC Courses Survey of Criminal Justice and The Juvenile Justice System, and is taught as a dual enrollment course in conjunction with SVCC. Prerequisite: Must be a Junior or Senior with a GPA of at least 2.0. CREDIT: 1 DE credit.
**DE CRIMINAL JUSTICE II (10870300)** -- Students learn the principles, techniques, and practices for pursuing careers within the criminal justice services system. This course encompasses the SVCC courses Introduction to Corrections and Forensics.  
Prerequisite: Must be a Junior or Senior with a GPA of at least 2.0  
CREDIT: 1 DE credit

**Drafting**

Students may choose two or more courses from Drafting for a concentration or specialization sequence.

**DRAFTING I (10853000)** -- Students explore drafting careers and are introduced to the theory and the manipulative skills necessary to produce and complete accurate drawings based on the ideas and sketches of engineers, architects, and designers. Students begin to focus on performing mechanical drafting and design operations, using CAD. This course is offered to students in Grades 9-12.  
Prerequisite: A solid math background is strongly recommended.  
CREDIT: 1 standard credit

**DE DRAFTING II A-B (10853100)** -- Students master the theory and manipulative skills necessary to produce complete and accurate drawings based on the ideas and sketches of engineers, architects, and designers. Students focus on performing mechanical drafting and design operations, using CAD, and exploring careers in drafting including industry certification options.  
This course is offered to students in Grades 10-12. This course is a dual enrollment class and is aligned with CAD 151 and 152. Students will need to take both Drafting II A & B sections in order to get the 2 DE credits. DE Drafting II A must be completed before DE Drafting II B.  
Prerequisite: Successful completion of Drafting I  
CREDIT: 2 DE credits

**DE DRAFTING III A-B (10853200)** -- Students are taught the theory and the manipulative skills necessary to produce and complete accurate drawings based on the ideas and sketches of engineers, architects, and designers. Students focus on performing architectural drafting and design operations, using CAD, and exploring careers in drafting, including industry certification options.  
This course is offered to students in Grades 10-12. This is a Dual Enrollment course aligned with CAD 231 and 232 and is. Students will need to take both Drafting III A & B in order to get the 2 DE credits.  
Prerequisite: Successful completion of Drafting I and Drafting II A & B.  
CREDIT: 2 DE credits

**Electronics and Robotics**

Students may choose two or more courses from Electronics or Robotics for a concentration or specialization sequence.

**ELECTRONICS/INDUSTRIAL ROBOTICS TECHNOLOGY (10854700)** -- Our ability to function and progress in the modern age is dependent on electronics and robotics technologies. This course provides a depth and breadth of the basic skills required in today’s automated manufacturing environment. Students will explore careers, build circuits, and use principles of physics to analyze basic electronic and robotic components.  
Prerequisite: None  
CREDIT: 1 standard credit
**DE ELECTRONICS TECHNOLOGY (10853701)** -- This course provides exposure to and in depth study of the advanced electronics technology skills that are required in today’s automated manufacturing environment and are universally in demand within a culture that is increasingly dependent on electronics. Students construct AC and analog circuits while exploring digital logic systems. This course leads to industry certification options, including the general industry OSHA 10 card, to further validate their mastery of related skills. This course is offered to students in Grades 10-12. Prerequisite: Successful completion of Electronics/Industrial Robotics Technology CREDIT: 2 DE credits

**DE INDUSTRIAL ROBOTICS TECHNOLOGY (10855801)** -- This course provides instruction in programming robots used in assembly and manufacturing settings. Students will work with various power systems while acquiring machining, welding, and system engineering skills. This course leads to industry certification options, including the general industry OSHA 10 card, to further validate their mastery of related skills. This course is offered to students in Grades 10-12. Prerequisite: Successful completion of Electronics/Industrial Robotics Technology is required. Successful completion of DE Electronics Technology is suggested. CREDIT: 2 credits

**Family and Consumer Sciences**

Students may choose two or more courses from Culinary Arts for a concentration or specialization sequence.

**INTRODUCTION TO CULINARY ARTS (1082500)** -- The competencies in this course focus on identifying and exploring the individual careers within the food service industry. Units of study include food science and technology, dietetics and nutrition services, diverse cuisines and service styles, current trends, food and beverage production and preparation, and food safety and sanitation. The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. This course is offered to students in Grade 9-10. CREDIT: 1 standard credit

**CULINARY ARTS I (1082750)** -- Students practice managerial, production, and service skills used in government, commercial, or independently owned institutional food establishments and related food industry occupations. Students plan, select, store, purchase, prepare, and serve food and food products; study basic nutrition, sanitation, and food safety; the use and care of commercial equipment; and the operation of institutional food establishments. Critical thinking, practical problem solving, and entrepreneurship opportunities within the field of culinary arts are emphasized. Teachers highlight the basic skills of mathematics, science, and communication when appropriate in content. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. This class is double-blocked. This course is offered to students in Grades 10 and 11. Prerequisite: Introduction to Culinary Arts (recommended) CREDIT: 2 standard credits

**CULINARY ARTS II (10827600)** -- Culinary Arts II provides students an opportunity to refine skills in serving, dining room management, and other skills learned in Culinary Arts I. Students prepare for occupations such as chef/cook, baker/pastry helper, pastry decorator, hospitality worker, dietetic aide/assistant, food demonstrator, and entrepreneur. Critical thinking, practical problem solving, and entrepreneurship opportunities within the field of culinary arts are emphasized. Teachers highlight the basic skills of mathematics, science and communication when appropriate in content. Students combine classroom instruction and supervised on-the-job training in an approved
position with continuing supervision throughout the school year. This class is double-blocked. This course is offered to students in Grades 11 and 12.
Prerequisite: Culinary Arts I
CREDIT: 2 standard credits

**CULINARY ARTS III (1082790) --** Culinary Arts III provides students with an opportunity to enhance their skills in planning menus, applying nutritional principles, implementing sanitation and safety standards, and exploring careers. Depending on the locality, students have the prospect of specializing in one of the following food-preparation techniques: Baking and Pastry, Catering/Banquet, Restaurant/Business, or Quantity Foods. Critical thinking, practical problem solving, and entrepreneurial opportunities within the field of culinary arts are emphasized. The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. This course is double-blocked. This course is offered to students in Grade 12
Prerequisite: Culinary Arts II
CREDIT: 2 standard credits

**Culinary Arts II and III may be taught concurrently.**