Any King George High School student meeting prerequisites is eligible to enroll in any course offered by our school regardless of race, creed, color, sex, national origin, or physical disability.
KING GEORGE HIGH SCHOOL
8246 DAHLGREN ROAD
KING GEORGE, VIRGINIA 22485
(540) 775-3535
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TODD SATTERWHITE
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KING GEORGE PUBLIC SCHOOLS

DR. CANDACE BROWN
SUPERINTENDENT

2007-2008
SCHOOL BOARD
Sherrie Allwine
Rose Marie Ball
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Rappahannock Community College Application for Dual Enrollment
KING GEORGE HIGH SCHOOL
2007-2008
COURSE OFFERINGS

INTRODUCTION

Many of your choices in the future depend upon the choices of high school classes you make today. This booklet has been assembled so you will know which courses you are required to take in order to graduate from high school as well as the elective subjects from which you may choose. Take the booklet home and discuss the courses with your parents. Give very serious consideration to your choices. Consider your own abilities, interests, and goals. Then, choose courses that will help you reach those goals.

REGISTRATION

During the Spring of 2007, counselors will be meeting with students in a group assembly to distribute registration information. Next counselors will meet individually with each student to select appropriate courses for the following school year. Our high school operates on 4x4 block scheduling, giving students an opportunity to take four classes a semester or classes totaling eight credits per year. Students must sign up for four classes each semester; please note that there are no study halls available for students. Certain courses are required, but many classes may be selected according to a student's interests. High school students will work toward completing one of the diplomas/certificates listed on the following pages.

King George High School is on a 4x4 Block Schedule.
Students take 4 classes first semester and 4 different classes second semester.

COUNSELOR ASSIGNSMENTS

Mrs. Diane Eskey
Director of Guidance

Mrs. Peggy Spiak
Career Counselor

Mrs. Barbara Reamy
Registrar
Departmental Secretary

Mrs. Terri Morrison
Receptionist
Departmental Secretary

Mrs. Tamara LaPonte
Last Names A through G

Mrs. Lynda Colley
Last names H through N

Mrs. Tricia Leggett
Last Names O through Z
STANDARDS OF LEARNING TESTING

The Virginia State Board of Education requires that all students enrolled in specified English, mathematics, science, and social studies courses take the applicable End of Course (EOC)/Standards of Learning test for that course. As a state requirement, there are no exemptions to taking Standards of Learning tests. Eligible students may, however, take an alternative assessment.

Standards of Learning tests are given upon completion of the courses listed in the tables below:

<table>
<thead>
<tr>
<th>EOC/SOL Tests Available</th>
<th>Standard Diploma</th>
<th>Advanced Studies Diploma</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English I: Writing</td>
<td>Needs both</td>
<td>Needs both</td>
</tr>
<tr>
<td>English I: Reading, Literature, and Research</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algebra I♦</td>
<td>Needs one</td>
<td>Needs two</td>
</tr>
<tr>
<td>Geometry♦</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algebra II♦</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earth Science</td>
<td>Needs one</td>
<td>Needs two</td>
</tr>
<tr>
<td>Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>World History I*</td>
<td>Needs one</td>
<td>Needs two</td>
</tr>
<tr>
<td>World History II*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>World Geography*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U.S. and Virginia History</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Student’s Choice</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Needs one</td>
<td>Needs one</td>
<td></td>
</tr>
</tbody>
</table>

† Students taking Algebra I Part I and Part II will take the Algebra I test following completion of Algebra I Part II. Students taking Geometry Part I and Part II will take the Geometry test following completion of Geometry Part II. Algebra II is not required for students in a standard diploma program if they took Algebra I or Geometry in parts.

* Standard Diploma students may choose which one World History/Geography course they wish to take. Advanced Studies Diploma students will take two World History/Geography courses. World History I (to 1500 AD) taken in 8th grade meets the requirement for one of these courses.

Local Verified Credit

Students who score 375-399 on any Science and/or Social Studies EOC/SOL, have taken the test at least twice and who have passed the course may apply, through their counselor, to request a Local Verified Credit. A review panel will review information which provides evidence of the student’s achievement of adequate knowledge of the Standards of Learning content. The panel will have discretion in determining the information it will consider. That information may include, but is not limited to, results of classroom assignments, division wide exams, course grades, and additional academic assignments (e.g. papers, projects, essays or written questions) as the panel deems appropriate. Based on the evidence it reviews, the panel, whose decision is final, may: award the verified credit, deny the verified credit, or require participation in a remedial program and retesting, or make additional academic assignments prior to determining whether to award the verified credit.
GRADUATION REQUIREMENTS
The requirements for a student to earn a diploma from a Virginia high school shall be those in effect when that student enters the ninth grade for the first time. Students may be awarded a diploma or certificate upon graduation from a Virginia high school.

If a student earns credit for a class prior to the ninth grade and decides to repeat the class at the high school, the student will receive the grade (credit) earned at the high school. **Grades earned prior to ninth grade will not be included in determining grade point average (GPA) or rank in class.**

**Verified Credit** - A verified unit of credit for graduation shall be based on a minimum of 140 clock hours of instruction, passing/successful completion of the requirements of the course, and the achievement by the student of a passing score on the End-of-Course SOL test for that course.

**Standard Credit** – A standard unit of credit for graduation shall be based on a minimum of 140 clock hours of instruction and passing/successful completion of the requirements of the course.

**Standard Diploma** - Students awarded a Standard Diploma shall earn 22 specific standard units of credit and the following number of verified units of credit: two English, one mathematics, one laboratory science, one history/social science, and one verified unit of credit of the student’s choice. All students will fulfill a sequential vocational program meeting state requirements for a marketable skill or will take a program of studies preparing them for further education.

**Advanced Studies Diploma** - Students awarded an Advanced Studies Diploma shall earn 28 specific standard units of credit and the following number of verified units of credit: two English, two mathematics, two laboratory science, two history/social science, and one verified unit of credit of the student’s choice.

**Modified Standard Diploma** - The Modified Standard Diploma is intended for certain students at the secondary level who have a disability and are unlikely to meet the credit requirements for a Standard Diploma. Eligibility and participation in the Modified Standard Diploma program shall be determined by the student’s Individual Education Program (IEP) team and the student, where appropriate, at any point after the student’s eighth grade year. The school must secure the written consent of the parent/guardian and the student to choose this diploma program after review of the student’s academic history and the full disclosure of the student’s options. The student who has chosen to pursue a Modified Standard Diploma shall also be allowed to pursue the Standard or Advanced Studies Diploma at any time throughout that student’s high school career. The student must not be excluded from courses and tests required to earn a Standard or Advanced Studies Diploma. **Beginning with the ninth grade class of 2000-01, students pursuing the Modified Standard Diploma must pass the Grade 8 English: Literacy/Language SOL and the Grade 8 Math SOL as prescribed by the State Board of Education.** Students in a Modified Standard Diploma program who are enrolled in a course that requires an end-of-course SOL test must take the test, but they do not have to pass the SOL test to satisfy the requirement for this diploma.

**Special Diploma** - 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**.

In accordance with the requirements of the Standards of Quality, students who complete prescribed programs of studies defined by the local school board but do not qualify for diplomas shall be awarded **Certificates of Program Completion**.

In accordance with the provisions of the compulsory attendance law and **Regulations Governing General Education Development Certificates**, students who do not qualify for diplomas may earn a high school equivalency certificate or a General Achievement Diploma.

**General Achievement Diploma** is intended to provide a diploma option for individuals who leave high school after completing only 20 standard credits and who participates in a GED preparation program and passes the GED test.
## Requirements for the Standard Diploma

*Graduating Classes of 2008 through 2011*

<table>
<thead>
<tr>
<th>Discipline Area</th>
<th>Standard Units of Credit Required</th>
<th>Verified Units of Credit Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Mathematicsº</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Laboratory Science¹</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>History and Social Science²</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Electives³</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>22</strong></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>

ºCourses completed to satisfy this requirement shall be at or above the level of Algebra and shall include at least two course selections from among Algebra I, Geometry, or Algebra II. If Algebra I is taken in parts, both parts must be completed and will count as two math units. If Geometry is also taken in parts, both parts must be completed but only one will count as a math unit. The other will count as an elective unit.

¹Courses completed to satisfy this requirement shall include course selections from at least two different science disciplines: Earth Science, Biology, Chemistry, or Physics.

²Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and one of either World History I (to 1500 AD), World History II (from 1500 AD), or World Geography.

³Courses to satisfy this requirement shall include at least two sequential electives.

## Requirements for the Advanced Studies Diploma

*Graduating Classes of 2008 through 2011*

<table>
<thead>
<tr>
<th>Discipline Area</th>
<th>Standard Units of Credit Required</th>
<th>Verified Units of Credit Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Mathematicsº</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Laboratory Science¹</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>History and Social Science²</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Foreign Language³</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Electives*</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>28</strong></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

ºCourses completed to satisfy this requirement shall be at or above the level of Algebra and shall include at least three different course selections from among: Algebra I, Geometry, Algebra II, or other mathematics courses above the level of Algebra II.

¹Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among Earth Science, Biology, Chemistry, or Physics.
²Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and two of either World History I (to 1500 AD), World History II (from 1500 AD), or World Geography.

³Courses completed to satisfy the foreign language requirement shall include three credits of one language or two credits each of two languages.

*Courses to satisfy this requirement shall include a Fine Arts or Career/Technical Education unit.

### Requirements for the Modified Standard Diploma

**Graduating Classes of 2008 through 2011**

<table>
<thead>
<tr>
<th>Discipline Area</th>
<th>Standard Units of Credit Required</th>
<th>Grade 8 SOL Tests Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
<td>English: Literacy and Language</td>
</tr>
<tr>
<td>Mathematicsº</td>
<td>3</td>
<td>Math</td>
</tr>
<tr>
<td>Laboratory Science¹</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>History and Social Science²</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Electives³</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>20</strong></td>
<td><strong>2</strong></td>
</tr>
</tbody>
</table>

ºCourses completed to satisfy this requirement shall include content from among applications of Algebra, Geometry, and Personal Living and Finance. Provisions in the Modified Standard Diploma program allow students to earn one of the standard units of credit needed in a particular content area by successfully completing the Part I course. For example, students who successfully complete the Geometry, Part I course do not have to take and pass the Geometry, Part II course to earn credit towards satisfying the three mathematics requirements.

¹Courses completed shall include content from at least two of the following: applications of Earth Science, Biology, Chemistry, or Physics.

²Courses completed to satisfy this requirement shall include one unit of credit in U.S. and Virginia History and one unit of credit in U.S. and Virginia Government.

³Beginning with the graduating class of 2003, courses to satisfy this requirement shall include at least two sequential electives.

### AWARDS FOR EXEMPLARY PERFORMANCE

1. **Governor’s Seal** - Students who complete the requirements for an Advanced Studies Diploma with an average grade of “B” (3.0) or better, and successfully complete at least one advanced placement course (AP) or one college-level course for credit, will receive the Governor’s Seal on their diploma.

2. **Board of Education Seal** - Students who complete the requirements for a Standard Diploma with an average grade of “A” (GPA of 4.0) will receive a Board of Education Seal on their diploma.

3. **Career and Technical Education Seal** - The Board of Education’s Career and Technical Education Seal will be 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” (GPA of 3.0) or better average in those courses.

4. Students may receive other seals or awards for exceptional academic, career and technical, citizenship, or other exemplary performance in accordance with criteria defined by the local school board.
TRANSFER OF CREDITS

1. **Summer Graduates** - Students completing graduation requirements in an accredited summer school shall be eligible for a diploma. These students will be considered summer graduates. The last school attended by the student during the regular session shall award the diploma unless otherwise agreed upon by the principals of the two schools. **Seniors will not graduate until ALL requirements have been met. They will not march with the June graduates who have fulfilled all of their obligations to graduate.** Any credit course taught outside of KGHS requires their counselor’s approval before the course begins. This includes any student who desires to attend summer school classes in any school other than King George High School.

2. King George High School shall accept credits received from other accredited secondary schools, including schools accredited through the Virginia Council for Private Education (VCPE). Standard and verified units of credit earned by a student in a Virginia public school shall be transferable, without limitation, regardless of the accreditation status of the Virginia public school in which the credits were earned.

3. The academic record of a student transferring into King George High School from other than a Virginia public school shall be evaluated to determine the number of standard units of credit that have been earned. Verified units of credit will be explained to all transferring students (see the chart below).

4. Students transferring above the tenth grade from schools or other education programs that do not require or give credit for health and physical education shall not be required to take these courses to meet graduation requirements.

5. Students entering a Virginia public high school for the first time after the tenth grade shall be encouraged to earn as many verified credits as possible toward the graduation requirements. However, no such student shall earn fewer than the following number of verified units, nor shall such student be required to take SOL tests or other additional tests for verified units of credit in courses previously completed at another school unless necessary to meet the requirements for a Virginia diploma.

<table>
<thead>
<tr>
<th>Entering King George High School</th>
<th>Standard Diploma Verified Credits</th>
<th>Advanced Studies Diploma Verified Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>During 9th grade</td>
<td>2 English + 1 Math, 1 Science, 1 Social Studies, and 1 Student’s choice</td>
<td>2 English + 2 Math, 2 Science, 2 Social Studies, and 1 Student’s choice</td>
</tr>
<tr>
<td>Beginning of 10th grade</td>
<td>2 English + 1 Math, 1 Science, 1 Social Studies, and 1 Student’s choice</td>
<td>2 English + 2 Math, 2 Science, 2 Social Studies, and 1 Student’s choice</td>
</tr>
<tr>
<td>During 10th grade</td>
<td>1 English + 1 Math, 1 Science, and 1 Social Studies</td>
<td>2 English + 1 Math, 1 Science, 1 Social Studies, and 1 Student’s choice</td>
</tr>
<tr>
<td>Beginning of 11th grade</td>
<td>1 English + 1 Math, 1 Science, and 1 Social Studies</td>
<td>2 English + 1 Math, 1 Science, 1 Social Studies, and 1 Student’s choice</td>
</tr>
<tr>
<td>During 11th grade</td>
<td>1 English + 1 Student’s choice</td>
<td>1 English + 3 Student’s choice</td>
</tr>
<tr>
<td>Beginning of 12th grade</td>
<td>1 English + 1 Student’s choice</td>
<td>1 English + 3 Student’s choice</td>
</tr>
</tbody>
</table>

6. **Transferring during 12th grade** - Students entering a Virginia high school for the first time after 20 instructional hours per course of their twelfth grade year shall be given every opportunity to earn a diploma. If it is not possible for the student to meet the requirements for a diploma, arrangements should be made for the student's previous school to award the diploma. If these arrangements cannot be made, a waiver of the verified unit of credit requirements may be available to the student. The Department of Education may grant such waivers upon request by the local school board.

7. Any local school division receiving approval to increase its course credit requirements for a diploma may not deny either the Standard, Advanced Studies, or Modified Standard Diploma to any transfer student who has otherwise met the requirements contained in these standards if the transfer student can only meet the
division’s additional requirements by taking a heavier than normal course load in any semester, by taking
summer school, or by taking courses after the time when he otherwise would have graduated.

8. Transfer students with letter grades on the transcript from their previous school will have them converted to
numerical grades according to the following grade values:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Numerical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>100</td>
</tr>
<tr>
<td>A</td>
<td>97</td>
</tr>
<tr>
<td>A-</td>
<td>94</td>
</tr>
<tr>
<td>B+</td>
<td>93</td>
</tr>
<tr>
<td>B</td>
<td>90</td>
</tr>
<tr>
<td>B-</td>
<td>86</td>
</tr>
<tr>
<td>C+</td>
<td>85</td>
</tr>
<tr>
<td>C</td>
<td>81</td>
</tr>
<tr>
<td>C-</td>
<td>77</td>
</tr>
<tr>
<td>D+</td>
<td>76</td>
</tr>
<tr>
<td>D</td>
<td>73</td>
</tr>
<tr>
<td>D-</td>
<td>70</td>
</tr>
<tr>
<td>F</td>
<td>69 or below</td>
</tr>
</tbody>
</table>

9. Transfer students who present transcripts with numerical grades will have those numerical grades posted on
their KGHS transcript.

10. The grading scale used by King George High School is as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Numerical Grade Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100-94</td>
</tr>
<tr>
<td>B</td>
<td>93-86</td>
</tr>
<tr>
<td>C</td>
<td>86-77</td>
</tr>
<tr>
<td>D</td>
<td>76-70</td>
</tr>
<tr>
<td>F</td>
<td>69 &amp; below</td>
</tr>
</tbody>
</table>

**WEIGHTED COURSES**

The subjects below are designated as weighted courses:

<table>
<thead>
<tr>
<th>Advanced/Honor</th>
<th>Dual Enrollment</th>
<th>Advanced Placement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add .5 point</td>
<td>Add 1 point</td>
<td>Add 1 point</td>
</tr>
<tr>
<td>Honors English 9, 10, 11, and 12</td>
<td>DE English 12</td>
<td>AP Calculus</td>
</tr>
<tr>
<td>Calculus</td>
<td>DE Physics</td>
<td>AP Biology</td>
</tr>
<tr>
<td>Advanced French IV, V and VI</td>
<td>DE European History</td>
<td>AP English 12</td>
</tr>
<tr>
<td>Advanced German IV and V</td>
<td></td>
<td>AP U.S. History</td>
</tr>
<tr>
<td>Advanced Spanish IV, V, and VI</td>
<td></td>
<td>AP Foreign Language</td>
</tr>
<tr>
<td>Honors Government</td>
<td></td>
<td>AP Music Theory</td>
</tr>
</tbody>
</table>

All Dual Enrollment classes at Chesapeake Bay Governor School are weighted. Only the AP and Honor classes at Commonwealth Governor School are weighted.

**GRADE CLASSIFICATION**

Grade classification is established at the beginning of the school year only. No grade level changes will occur at
the end of the first semester. Students’ grade classification will be as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Credits Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 9</td>
<td>Less than 5 credits</td>
</tr>
<tr>
<td>Grade 10</td>
<td>5-9 credits</td>
</tr>
<tr>
<td>Grade 11</td>
<td>10-14 credits</td>
</tr>
<tr>
<td>Grade 12</td>
<td>15 or more credits*</td>
</tr>
</tbody>
</table>

*Please Note: Any student with 15 credits who is not eligible to graduate in June 2008 will be placed in Grade 11. Any Grade 11 student with 15 credits who is eligible to graduate in June 2008 and has written parent permission to graduate early, on file with their counselor, will be placed in Grade 12. Please discuss this option with your counselor.
COURSE FAILURES

Students who fail a course during the first term may request to take the course again the second term if space is available. Exceptions include PE classes and Foreign Language classes. Students who fail a course may also go to summer school or take the course again next year.

SCHEDULE CHANGES

During course registration, students are given ample information, considerable guidance, and sufficient time to carefully select their courses. Based upon these student requests, teachers are employed, teaching stations are made available, instructional supplies and materials are purchased, and intensive planning is undertaken to construct the best possible master schedule. Because of these factors, students are informed in the spring that their course selection will be considered final. Barring grossly mitigating unforeseen circumstances, only in the following situations should a student even request a schedule change:

Keep in mind that your counselor can only change your schedule if there is a seat available in the class.

1. If you are in a course you already passed.
2. If you failed the course, registered for the course again and were assigned the same teacher.
3. If you are in a course that you did not choose on your course selection sheet.
4. If you received a course that you have not met the pre-requisite for.
5. If you are trying to balance your course load by semester.

Students who meet one or more of the above criteria or who have unusual problems with their schedules should confer with the guidance department during the summer break. All schedule changes must be completed by the designated dates, the second and third days of the semester.

SEQUENCING OF COURSES

**English** - Students must take the appropriate grade-level English course each year until graduation. Juniors who have failed a course may take two levels in consecutive terms to progress to grade level. **Under no circumstances may students take two courses in a single term.**

**Foreign Language** - Students are advised to take one level of a foreign language per year. Only in exceptional circumstances will students be allowed to take two levels of one language in the same year.

**Mathematics** - Students may take more than one course per year. Please discuss this option with your counselor.

**Science** – Students are advised to take one required science course per year. They should take more than one required science course only during the two semesters prior to graduation.

**EARLY GRADUATION OPTION**

The only students who will be permitted to graduate before completing eight semesters are those seniors who have written permission from their parents or are 18 with a signed waiver. There will be no January graduation ceremony. All students who complete their graduation requirements at the end of the first semester will return for the June graduation ceremony. Students also have the option of graduating in three years. This requires written permission of parents. Junior graduates will be ranked with the senior class. Only students who have attended high school for four years will be designated as valedictorian or salutatorian. Students interested in either of these options need to meet with their counselor to plan accordingly.
ADVANCED PLACEMENT PROGRAM

AP is a program of college-level courses and exams that give high school students the opportunity to receive advanced placement and/or credit in college. The courses are available to students who are qualified and meet the background requirements. **Upon completion of the AP course, students will take the nationally administered examination in May.**

**Based on their score, students may receive college credit or advanced standing for each course taken.**

Colleges are well aware (and studies show) that AP students, when compared with non-AP students are:

- Better prepared academically on all college admission measures of ability and achievement
- More likely to specialize in majors with tougher grading standards
- More likely to complete more course work and to take a greater number of higher-level courses
- Less likely to drop out of school
- More likely to perform significantly better over four years in their course work
- More likely to be successful in terms of leadership and significant accomplishments
- More likely to graduate with a double major
- Twice as likely to go into advanced study such as Ph.D. programs, medicine, and law

If you are doing college-level work in high school in an AP or honors course, the AP examination can offer the following benefits:

- The opportunity to sharpen your academic skills, allowing you to enter college with the confidence that you can succeed
- Exemption by most colleges and universities from introductory courses and permission to take higher-level courses, enabling you to move ahead in areas of interest, and perhaps to complete your degree requirements earlier
- An opportunity to demonstrate to college your ability and willingness to tackle more difficult courses
- Academic credit that can give you a head start at more than 2,800 colleges
- Tuition savings - finish college earlier
- Time to explore subject areas that you would not otherwise be able to study and time to pursue internships or to study abroad
- The opportunity to set a challenge for yourself and experience the satisfaction of meeting it
- Eligibility for honors and other special programs open to students who have received AP recognition

<table>
<thead>
<tr>
<th>AP English</th>
<th>AP Calculus</th>
<th>AP Biology</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP US History</td>
<td>AP Foreign Language</td>
<td>AP Music theory</td>
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</tbody>
</table>

DUAL ENROLLMENT PROGRAM

Students have the opportunity to take college courses simultaneously for high school graduation and college credit (dual enrollment) through Rappahannock Community College. The courses are offered under the following conditions:

1. Written approval of the high school principal prior to participation in dual enrollment must be obtained for classes not offered at King George High School or application signed by the Director of Guidance for those classes listed below that are offered at King George High School.
2. The student must successfully pass the community college placement examination. (administered at KGHS)
3. The student must enroll in Rappahannock Community College (form included at back of booklet).
4. The college must accept the student for admission to the course or courses.
5. The course or courses must be given by the college for degree credits (no remedial courses will be accepted).

<table>
<thead>
<tr>
<th>DE English 12</th>
<th>Office Administration</th>
<th>Computer Information Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>Business Management</td>
<td>Advanced Computer Information Systems</td>
</tr>
<tr>
<td>European History</td>
<td>Business Law</td>
<td>Design, Multimedia, and Web Technologies</td>
</tr>
<tr>
<td>Marketing</td>
<td>Accounting</td>
<td>Advanced Design, Multimedia, and Web Technologies</td>
</tr>
<tr>
<td>Advanced Marketing</td>
<td>Advanced Accounting</td>
<td>Finance</td>
</tr>
</tbody>
</table>

LPN Nursing is a Dual Enrollment program through Germanna Community College.
THE COMMONWEALTH GOVERNOR’S SCHOOL
Grades 9th, 10th, 11th, and 12th

The Commonwealth Governor’s School (CGS) is an academic year governor’s school that provides gifted and highly motivated high school students with a challenging, differentiated, and interdisciplinary program in science, mathematics, social sciences, and English. This half-day program utilizes real-time interactive audio/visual technology, field experiences, and team teaching to create a regional community of learners from Stafford, King George, and Spotsylvania Counties. 11th and 12th grade students attend CGS (located at Stafford High School) during Blocks 1 & 2 and take classes at KGHS during Blocks 3 & 4. 9th and 10th grade students take classes at KGHS during Blocks 1 & 2 and attend CGS (located at Stafford High School) during Blocks 3 & 4. Students are transported by King George County transportation from King George High School.

The CGS curriculum is problem-based, student-oriented, and designed to focus on community issues of environment, development, and service. High speed Internet access, desktop video conferencing, and e-mail enables students to reach worldwide resources for special interest projects and in-depth research. Advanced Placement options are available. Students participate in electives and activities at their home-based high school.

Visit the CGS website at www.cgs.k12.va.us. See your guidance counselor for application information. Application deadline is usually at the start of second semester.

The Commonwealth Governor’s School
PROGRAM OF STUDY

<table>
<thead>
<tr>
<th></th>
<th>9TH GRADE</th>
<th>10TH GRADE</th>
<th>11TH GRADE</th>
<th>12TH GRADE</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>Honors English 9</td>
<td>Honors English 10</td>
<td>AP English Language and Composition AP Exam</td>
<td>AP English Literature and Composition AP Exam</td>
</tr>
<tr>
<td>MATHEMATICS</td>
<td>Honors Algebra II</td>
<td>Honors Geometry with Trigonometry Or Honors Math Analysis with Discrete Topics</td>
<td>Honors Math Analysis with Discrete Topics Or AP Calculus BC AP Exam</td>
<td>AP Statistics AP Exam</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>Honors Earth Science with Environmental Topics</td>
<td>AP Biology with Environmental Emphasis AP Exam</td>
<td>DE Chemistry and AP Environmental Science# AP Exam</td>
<td>AP Physics B AP Exam</td>
</tr>
<tr>
<td>SUMMER</td>
<td>2 Week Summer Session</td>
<td>2 Week Summer Session</td>
<td>Mentorships Internships Research</td>
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<tr>
<th>COMMUNITY CONCERNS</th>
<th>INSTRUCTIONAL STRATEGIES</th>
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<tbody>
<tr>
<td>Development</td>
<td>Creativity</td>
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<tr>
<td>Environment</td>
<td>Problem Solving</td>
</tr>
<tr>
<td>Service</td>
<td>Teamwork</td>
</tr>
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#Students must have completed the three-year sequence of Earth Science, Biology and Chemistry to be eligible for the AP Environmental Science credit.
Chesapeake Bay Governor’s School
Grades 10th, 11th and 12th

Focus: Marine and Environmental Studies

Mission: The Chesapeake Bay Governor’s School for Marine and Environmental Science provides a community of learners with the opportunity to explore connections among the environment, math, science, and technology and develops leaders who possess the research and technical skills, global perspective, and vision needed to address the challenges of a rapidly changing society.

Serving: Students from Caroline, Essex, Gloucester, King George, King William, King and Queen, Lancaster, Mathews, Middlesex, Northumberland, Richmond County, and Westmoreland Public Schools

Site: Caroline School Board Office – Students are transported by King George County transportation from King George High School.

<table>
<thead>
<tr>
<th>Classes Offered:</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
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<tbody>
<tr>
<td>Block 1 and 2</td>
<td>Algebra II &amp;</td>
<td>Pre-Calculus</td>
<td>Calculus</td>
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<tr>
<td>at CBGS</td>
<td>Trigonometry</td>
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<td>Physics</td>
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<tr>
<td></td>
<td>Biology</td>
<td></td>
<td>Environmental Science II</td>
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<tr>
<td></td>
<td>Foundations in Science</td>
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<td></td>
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<tr>
<td>Block 3 and 4</td>
<td>KGHS classes</td>
<td>KGHS classes</td>
<td>KGHS classes</td>
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<tr>
<td>At KGHS</td>
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</tbody>
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Admission Criteria: 1. High ability rising 10th, 11th and 12th grade students.
2. Have a “B” average.
3. Score 85% or higher composite/total score on a standardized achievement and/or ability test OR an 85% or higher on a math or science/quantitative subtest.
4. Have successfully completed the following: Algebra I, Geometry, and Earth Science.

- To apply, rising sophomores, juniors and seniors should see their counselor and request an application. Application deadline is usually at the start of second semester.
- Interested students who do not meet the above criteria must provide a letter of explanation with application.
- All courses meet or exceed the Virginia Standards of Learning (SOL) requirements, as well as offer Dual Enrollment credit through Rappahannock Community College.
- Admission decisions will be made at the local school division level.
- Visit the CBGS web-site at: www.cbgs.k12.va.us
LICENSSED PRACTICAL NURSING #8357
Grade 12 - 4 Credits

The complete Licensed Practical Nursing (LPN) Program is a twenty-month program. The first level of the program is offered at the Spotsylvania Vocational Center. Three college credits plus the Nursing Assistant Certificate are awarded at the completion of Level I. The second level of the program is offered at Germanna Community College following high school graduation. LPN certificate is awarded at completion of Level II

**Prerequisites:** Algebra I; Recommend Biology and Chemistry

**Course Description:** Licensed Practical Nursing I is a three-period-per-day class for seniors and post-high school students. The pre-clinical practical nursing student studies personal vocational relationships, anatomy and physiology, introduction to administration of medications, introduction to medical/surgical nursing, nursing arts and geriatrics. The course includes review of basic mathematics for the calculation of medicine dosages and administration of medications. During the spring semester all students are required to take a 3-credit developmental psychology course at Germanna Community College.

**Entrance Requirements:** This is a regional program for high school seniors and post-high school students living in the City of Fredericksburg and Caroline, King George, Spotsylvania and Stafford Counties. High school senior applicants must have a “C” average overall, be recommended by their School Counselor, complete the application form, and submit it to their School Counselor. All applicants must take a pre-entrance nursing aptitude examination before the admissions committee meeting in May of each year. The admissions committee makes final selection.

**Cost:** Tuition for high school seniors is paid by their respective school systems. All students purchase their own textbooks, uniform, white duty shoes, and a watch with a second hand.

King George High School Seniors attend the Spotsylvania Vocational Center during Blocks 1 and 2 and return to classes at King George High School for Blocks 3 and 4. Transportation is provided by King George County Transportation Department.
ENGLISH

All course offerings are dependent upon teacher availability, enrollment, space and scheduling.

Weighted English Courses – Honors, Advanced Placement, and Dual Enrollment

The vast majority of colleges look favorably upon applicants who have completed a course of study including one or more advanced classes. At King George High School, Honors English, Advanced Placement English, and Dual Enrollment English are weighted. Weighted courses are given additional quality points toward the students’ grade point averages (see Weighted Courses information on page 7). This weight is given to avoid discouraging students from taking more challenging courses simply because they fear endangering a grade point average. Students and their parents should realize that this advantage DOES reflect the challenge both in the course content and in the rigorous workload inherent in weighted courses.

Students enrolled in Honors English, Advanced Placement English, or Dual Enrollment English must meet the following requirements:

- Earn a grade of B or better in their previous English course;
- All Students must complete the Summer Reading Assignments;
- Failure to meet any of these requirements will result in a schedule change to regular English.

Special Situations

Grade Requirement: There may be students who earned a grade of C in their previous course and are still interested in taking a weighted English course. Students in this situation must have a letter of recommendation from the previous English teacher in order to register. A copy of this letter should be given to the student’s counselor at the time of registration and a copy should be forwarded to the English chairperson.

Transfer Students: Transfer students are encouraged to enroll in a second semester class in order to complete the Summer Reading requirements. The grade requirement is the same.

IEP Recommendation: Students with an IEP are encouraged to pursue the challenges of academic rigor associated with weighted English courses. To ensure placement that is beneficial to the student and appropriate to the demands of weighted courses, it is necessary for students requiring special accommodations to meet, prior to the start of the course, with the teacher of the weighted course, the special education case manager, and the parent. If possible, their counselor and/or administrator’s presence may be requested. The goal of this meeting is to ensure collaboration and understanding between the course expectations and the needs of the student.

ENGLISH 9 #1130                                          1 Credit

English 9 focuses primarily on short stories, the novel, poetry, mythology, nonfiction, and drama. Compositions, both oral and written, are integrated with the study of literature, grammar, vocabulary, and mechanics. This course satisfies requirements necessary to prepare a student for a job or for higher education upon graduation.

ENGLISH 9H #1130H                                       1 Credit

Prerequisite: Student must have completed English 8 with a B.

Summer Reading – Uglies by Scott Westerfeld.

English 9 addresses 9th grade SOL objectives through study of the short stories, the novel, poetry, mythology, nonfiction, and drama. In order to reach 9th grade benchmarks, compositions, both oral and written, are integrated with the study of literature, grammar, vocabulary, and mechanics. This course lays the foundations for future English studies. English 9H is a rigorous, challenging course designed for highly motivated students. A main objective of the course is to ensure that students entering the gifted/honors program understand the fundamental writing skills and processes that will be used in subsequent courses. Most of the writing will involve interpretation and analysis of the written works studied. The course focuses on five major genres: the short story, the novel, poetry, nonfiction, and drama. Frequently, works chosen for a particular six-week period will focus on a common
Students taking this course must expect demanding amounts of both reading and writing. In addition, problems of grammar, usage, and punctuation will be addressed as they occur. Vocabulary study, research skills, and oral activities are also included.

**ENGLISH 10 #1140**
Prerequisite: Successful completion of English 9
English 10 reinforces the skills taught in English 9. Compositions, both oral and written, are integrated with the study of literature, grammar, vocabulary, and mechanics. This course satisfies requirements necessary to prepare a student for a job or for higher education upon graduation from high school.

**ENGLISH 10H #1140H**
Prerequisite: Student must have completed English 9 with a B.
Summer Reading Project – *A Tale of Two Cities* by Dickens and *The Red Badge of Courage* by Stephen Crane.
English 10H is a challenging experience for the highly motivated student who reads avidly and commits himself to a deeper, more intensive study of literature and writing skills. Thematically driven, this course includes drama, novels, poetry, and stories from an international and multicultural body of literature. In-depth analysis of the Epic Hero, Anti Hero, and Tragic Man is the framework for this course. In formal essays students are expected to analyze critically the literature studied. Both documented essays and research papers are required in this class. Vocabulary, oral communication and SAT skills are also included in this course.

**ENGLISH 11 #1150**
Prerequisite: Successful completion of English 10
English 11 focuses on the history and development of the American culture as portrayed through its great writers. It is a course designed to help the student practice expected grammar and usage skills, improve research skills, and study various composition styles. Required writings will incorporate all aspects of this course. Vocabulary study, oral activities, and outside reading are also integral parts of the course. This course satisfies requirements necessary to prepare a student for a job or for higher education upon graduation from high school. The Writing SOL is given approximately 6 weeks into the course and the Reading, Literature, and Research SOL is given near the end of the course.

**ENGLISH 11H #1150H**
Prerequisite: Student must have completed English 10 with a B.
Summer Reading – *Huckleberry Finn* by Mark Twain.
English 11H is an academic survey course. The students will study the emergence and development of their democratic society and cultural heritage by focusing on American literature in its various forms. Studies begin with the colonial experience and continue through the early nineteen hundreds. The latter part of the term stresses the influence of twentieth century viewpoints on modern man and focuses on the literature of the century by genre: drama, short stories, and poetry. While traditional grammar is not stressed, students are expected to continue working to improve their writing skills; attention will be paid to weaknesses. Vocabulary study is included, as are oral activities. Four book reports/essays are assigned during the term--essentially on a monthly basis. These are documented essays as other assignments may also be. The Writing SOL is given approximately 6 weeks into the course and the Reading, Literature, and Research SOL is given near the end of the course.

**ENGLISH 12 #1160**
Prerequisite: Successful completion of English 11
English 12 introduces the student to the literary works of Britain's and the world's greatest writers from ancient poets to modern novelists. The writings are placed into historical, literary, and cultural perspective. In addition, there will be a review of the student's acquired writing and grammar skills as needed. Emphasis will be placed upon written and oral communication skills and SAT skills. Students will also practice analytical writing and documented essays. This course satisfies requirements necessary to prepare a student for a job or for higher education upon graduation. A research paper/project is a major part of the grade for this class.

**ENGLISH 12H #1160H**
Prerequisite: Student must have completed English 11 with a B.
Summer Reading - *Native Son* by Richard Wright.
This course is designed as a prerequisite of Advanced Placement English which is offered in the spring or to stand alone as a rigorous course which will prepare the student to discuss and analyze British and World Literature. An emphasis will be placed on analyzing poetry and prose, which will necessitate a heavy reading and writing load. Longer works to be studied may include *Hamlet*, *Wuthering Heights*, *Crime and Punishment*, *The Metamorphosis*, *The Stranger*, and *Grendel*.

**ADVANCED PLACEMENT (AP) ENGLISH 12 #1195** 1 Credit
**Prerequisite: Completion of Honors English 12 (no exceptions).**
Emphasizing analysis, this course is, in nature, similar to a college sophomore English class. Students will study poetry, prose, and the novel. Mature writing and analytical skills are necessary. Students need to be confident, independent thinkers. Major works studied include *Heart of Darkness*, *Lord of the Flies*, *Poisonwood Bible*, and *A Prayer for Owen Meany*. Students should expect to invest at least an hour per night on their studies. Students demonstrating proficiency on the Advanced Placement exam may earn up to 6 credits of college credit nationwide.

**DUAL ENROLLMENT ENGLISH 12 #1196D** 1 Credit
**Dual Enrollment class in agreement with Rappahannock Community College.**
**Prerequisite: Student must have completed English 11 with a B.**
Summer reading – *Cry, the Beloved Country* by Alan Paton and *The Good Earth* by Pearl S. Buck.
**Students must complete the RCC application located on the last page of this Program of Studies booklet.**
A weighted class, Dual Enrollment English 12 focuses intensely on both composition and literature. The course should develop the student’s writing ability for study, work, and other areas based on experience, observation, research, and reading of selected literature. The student will understand and use the writing process to compose logically developed essays that have a clear focus, that have body paragraphs created by using relevant specific details, and that have a minimum of mechanical errors. The student will read a variety of major works in novel, drama, poetry, and short story units as well as some nonfiction writings. These selections, from several different cultures, will be used for literary analysis---both oral and written---and for examination of ideas in order to make informed judgments or to pose additional questions. Documented essays are required. A formal presentation is also required. **Please note: this course is worth 6 college credits and as such, requires a workload that is equivalent to that of a college level course.**

**ENGLISH AS A SECOND LANGUAGE (ESL) #5710, #5720, #5730, #5731 (Grades 9, 10, 11, 12)** 1 Credit
**Prerequisite: None**
These courses are provided for students whose first language is not English and who need extra support/assistance in the English language in order to benefit from classroom instruction in their other courses. ESL courses will count as an English credit. 11th grade students will be expected to take and pass the English 11 End-of-Course tests in order to earn verified credits.

**CREATIVE WRITING I #1171 (Grades 9, 10, 11, 12)** 1 Credit
**Prerequisite: None**
The course encourages student writing through exposure to various pre-writing strategies, participation in writing exercises, reader-based feedback, responses to published poems, writing in different poetic formats, writing a short story, etc. The course should help a student to develop standards for evaluating a piece of creative writing--whether it be his own or another's. A student who chooses this course should be interested in improving his writing by accepting and applying constructive criticism through revision. He must also be able to work independently as well as in small groups.

**CREATIVE WRITING II, III, IV #11712, 11713, 11714 (Grades 10, 11, 12)** 1 Credit
**Prerequisite: Successful completion of Creative Writing I and permission of Creative Writing instructor.**
Creative Writing II, III, or IV is a continuation of the skills developed in Creative Writing I. The course focuses on units in writing poetry, short stories, essays, and drama. A student who chooses this elective should be focused and motivated. He must also be able to work independently as well as in small groups.

**JOURNALISM I #1200 (Grades 9, 10, 11, 12)** 1 Credit
**Prerequisite: Students must have achieved at least a C in English during the previous year and must submit**
an application prior to registering for the class. Applications are available in Guidance or from the Journalism teacher.

This course is designed for students with a serious desire to learn the fundamentals of news writing and the basic techniques involved in publishing a school newspaper. Students registering for the class must be motivated to work hard at gathering information and should have both an interest in and an aptitude for good writing. This class will publish the school newspaper on a regular schedule.

**JOURNALISM II, III, IV #1210, 1211, 1212 (Grades 9, 10, 11, 12)**

**Prerequisite:** Students must have achieved at least a C during the previous year or semester in Journalism.

This course is a continuation of the skills developed in Journalism I. Students in the class will be expected to assume leadership positions and to ensure that practices established for the production of the newspaper continue smoothly from year to year.

**PHOTOJOURNALISM I #1215 (Grades 9, 10, 11)**

**Prerequisite:** Students must have achieved a C in English during the previous year and must maintain a 2.5 or better GPA. Students must submit an application prior to registering for the class. Applications are available in Guidance or from the Photojournalism teacher.

This course focuses on photography, interviewing, copy writing, and layout. Students must take this spring semester course as a prerequisite for Photojournalism II. Skills learned in Photojournalism I will be used to produce the King’s Gallery yearbook in Photojournalism II, III, and IV. Usually, Photojournalism I students produce the current yearbook’s spring supplement.

**PHOTOJOURNALISM II, III, IV #1216, 1217, 1218 (Grades 10, 11, 12)**

**Prerequisite:** Successful completion of Photojournalism I and permission of Photojournalism teacher.

This course focuses on photography, interviewing, copy writing, and layout. Second, third, and fourth year students will create the King’s Gallery yearbook. Students will be able to apply for leadership positions (Editor-in-Chief, Copy Editor, Photography Editor, Design Editor, Advertising Editor, etc.)

**SPEECH #1300 (Grades 9, 10, 11, 12)**

**Prerequisite:** 9th and 10th - Grade of B in previous English course and complete an application. Applications are available in Guidance or from the Speech teacher. 11th and 12th - None

The course will provide instruction in the various forms of public address. Students will be required to demonstrate their understanding by writing and delivering various types of public addresses. Emphasis will be placed on both the oral and physical aspects of delivery.

**INTRODUCTION TO DEBATE #1399 (Grades 9, 10, 11, 12)**

**Prerequisite:** None

Students will learn to participate in competitive debate. Units for study will include: Lincoln-Douglas Debate; Policy Debate; Student Congress; Extemporaneous speaking; and Persuasive speaking. Students will need to speak before the class and groups. Students will be expected to write persuasive material; to organize information; and to conduct research. Students are expected to compete outside of class.

**DEBATE II #13992 (Grades 9, 10, 11, 12)**

**Prerequisite:** Student must have successfully completed Debate I.

Debate II is a continuation of the Introduction to Debate course. Students will develop advanced skills in Lincoln-Douglas Debate, Policy Debate, extemporaneous speaking, and persuasive speaking. Students will speak before class and other groups and will participate in competitive debates. Student will also develop research skills and prepare persuasive written projects.

**SAT PREP #1516 (Grade 11)**

**Prerequisite:** Algebra II
This course is always offered in the First Semester and students are encouraged to register for the SAT at the end of this course or in the Spring Semester.

**VERBAL** - This course is intended to build skills necessary for taking the Verbal portion of the SAT. The main areas of study are critical reading, sentence completion, and analogies. Vocabulary building is a key ingredient in successfully taking the SAT; therefore, reading and vocabulary are stressed in this class. Practice SAT tests are given and students are able to see their progress in the three specific areas of the test.

**WRITING** – This course is intended to build the necessary writing skills for taking the Writing portion of the SAT. The main areas of study will include essay writing skills and grammar. Practice SAT tests are given and students are able to see their progress in the two specific areas of the test.

**MATH** - This course will review the math skills needed for the SAT I Test. The students will also be taught test taking skills and strategies.

**WOMEN AND LITERATURE #1165 (Grades 11, 12) 1 Credit**

**Prerequisite:** None

This course is an elective offering an intensive look at the writings of women. Students will examine the poetry, prose, and longer works of significant American and British writers, with the approach of analysis and understanding of the uniqueness of this genre. Major works to be studied include the following *Pride and Prejudice, The Color Purple, A House on Mango Street, The Lovely Bones* and *The Joy Luck Club*. This course is reading and writing intensive and is an excellent precursor and supplement to Advanced Placement English.

**SCIENCE FICTION AND FANTASY LITERATURE #1165B (Grades 9, 10, 11, 12) 1 Credit**

**Prerequisite:** None

This elective will provide an introduction to the knowledge and skills involved in reading, appreciating, and enjoying science fiction and fantasy literature. Various eras and traditions of this literary form will be explored, with particular emphasis on the connection with scientific and technological change in our society in the science fiction to be read. The study of fantasy literature will involve studying how the form has evolved from its earliest literary roots to its current state. Reading may include but will not be limited to such authors as Orson Scott Card, Arthur C. Clarke, Isaac Asimov, Robert A. Heinlein, and Frank Herbert for science fiction, and J.R.R. Tolkien, David Eddings, T.H. White, C.S. Lewis, and Robert Jordan for fantasy literature.
STANDARD DIPLOMA

ALGEBRA I
PART 1

ALGEBRA I
PART 2
(Geometry with teacher recommendation)

GEOMETRY
PART 1

GEOMETRY
PART 2
(Algebra II with teacher recommendation)

MODIFIED STANDARD DIPLOMA

ALGEBRA I
PART 1

ALGEBRA I
PART 2
(Passed Course 3 Math with a C or teacher recommendation)

ALGEBRA II

GEOMETRY

ADDITIONAL COURSES
(CHASE AT LEAST TWO)

TRIGONOMETRY
(must follow Algebra II)

PERSONAL LIVING
AND FINANCE

ADVANCED DIPLOMA

ALGEBRA I
(Passed Course 3 Math with a C or teacher recommendation)

ALGEBRA II

GEOMETRY

TRIGONOMETRY

PRE-CALCULUS

CALCULUS
(1st semester)

AP
CALCULUS
(2nd semester)

* Intense math curriculum

ADDITIONAL COURSES WITH TEACHER RECOMMENDATION

DISCRETE MATHEMATICS

PROBABILITY & STATISTICS

COMPUTER SCIENCE I
MATHEMATICS

All course offerings are dependent upon teacher availability, enrollment, space, and scheduling.

ALGEBRA I PART I #3131 (2 Course Sequence) (Grades 9, 10, 11)
Only offered First Semester 1 Credit
Student will also be registered for Algebra I Part II
This course includes work with addition, subtraction, multiplication, and division of real numbers; exponents and algebraic expressions; first degree equations and inequalities; graphing; and work with polynomials.

ALGEBRA I PART II #3132 (2 Course Sequence) (Grades 9, 10, 11) - SOL/EOC test administered
Only offered Second Semester 1 Credit
Prerequisite: Successful completion of Algebra I Part I
This course includes work with polynomials, factoring, inequalities and their graphs, systems of equations, and quadratic equations.

ALGEBRA I #3130 (Grades 9, 10, 11) – SOL/EOC test administered 1 Credit
Prerequisite: Passed Course 3 Math with a C and passed Grade 8 Math SOL.
This course includes work with real numbers, variables, graphing, basic properties of real numbers, solving inequalities, functions, relations, systems of equations, and factoring.

GEOMETRY PART I #3144 (Grades 9, 10, 11, 12)
Only offered First Semester 1 Credit
Prerequisite: Successful completion of Algebra I or Algebra I Part II
Student will also be registered for Geometry Part II
This course includes work with points, lines space, angles, proving triangles congruent, work with quadrilaterals, and work with parallels and perpendiculars. The students will be able to write proofs of simple to medium complexity as well as demonstrate theorems. The course also includes constructions.

GEOMETRY PART II #3145 (Grades 9, 10, 11, 12) – SOL/EOC test administered 1 Credit
Prerequisite: Successful completion of Geometry Part I
This course includes work with similar polygons, right triangles, and circles. The student will be able to find area of polygons and solids, as well as volume of solids.

GEOMETRY #3143 (Grades 9, 10, 11, 12) – SOL/EOC test administered 1 Credit
Prerequisite: C or better in Algebra I
This course includes work with points, lines, space, angles, proving triangles congruent, work with quadrilaterals, and work with parallels and perpendiculars. The student will be able to write proofs of simple and medium complexity as well as demonstrate theorems. The course also includes constructions and some coordinate geometry.

ALGEBRA II #3135 (Grades 9, 10, 11, 12) – SOL/EOC test administered 1 Credit
Prerequisite: Successful completion of Algebra I and Geometry
This course begins with a review of Algebra I, but on a more advanced level. It includes the algebraic topics of functions and their graphs, radicals, quadratic equations, conic, and the complex number system.

DISCRETE MATHEMATICS #3154 (Grades 11, 12) 1 Credit
Prerequisite: Algebra II
This course will provide students an interdisciplinary liberal arts course where they will use fundamental concepts of algebra-based modeling to explore real world phenomena ranging from the social and management science to the physical and biological sciences.
PROBABILITY AND STATISTICS #3190 (Grades 11, 12) 1 Credit
Prerequisite: Algebra II
This course provides students an interdisciplinary liberal arts approach where they will use concepts of mathematics to explore the two main functions of statistics: to describe a body of data in a succinct manner and to make inferences from samples to populations. Students will study the theory of probability, statistical measurement, probability distributions, and statistical inference. Full use of the graphing calculator and available computer software will be included.

TRIGONOMETRY AND ADVANCED MATH #3150 (Grades 10, 11, 12) 1 Credit
Prerequisite: C or better in Algebra II
The trigonometry portion of this course includes work with trigonometric functions, identities, graphs, equations, logarithms, and solutions of trigonometric equations. The advanced math portion of this course deals with special topics in analytic geometry such as vectors and polar coordinates as well as advanced algebra topics.

PRE-CALCULUS #3162 (Grades 10, 11, 12) 1 Credit
Prerequisite: B or better in Trigonometry and Advanced Math
This course is a preparation for college calculus. It covers number systems, circular functions, exponential and logarithmic functions, conic sections, sequences, and series and other special topics. This course strives to bring all of the previous math courses together so the student will have a firm foundation when he/she enters college or enrolls in Calculus.

CALCULUS #3178 (Grades 11, 12) 1 Credit
Prerequisite: B or better in Pre-Calculus and recommendation of Pre-Calculus teacher
Students enrolled in Calculus must meet the following requirements:

- Complete the summer assignment (consists of a review of Pre-Calculus)
- Submit the completed assignment by August 15th (no late work will be accepted)

Failure to meet any of these requirements will result in a schedule change.

Calculus is a rigorous, challenging course designed only for highly motivated students. This course covers functions, limits, continuity, differentiation and integration of algebraic, trigonometric functions with applications, definite integrals, indeterminate forms, and partial differentiation.

ADVANCED PLACEMENT (AP) CALCULUS #3177 (Grade 11, 12) 1 Credit
Prerequisite: Successful completion of Calculus and recommendation of Calculus teacher
AP Calculus is a rigorous, challenging course designed for highly motivated students. This course completes the calculus topics required for the BC Advanced Placement Calculus test. A main objective of the course is that students will be successful on the test.

SAT PREP #1516 (Grade 11) 1 Credit
Prerequisite: Algebra II
This course is always offered in the First Semester and students are encouraged to register for the SAT at the end of this course or in the Spring Semester.

VERBAL - This course is intended to build skills necessary for taking the Verbal portion of the SAT. The main areas of study are critical reading, sentence completion, and analogies. Vocabulary building is a key ingredient in successfully taking the SAT; therefore, reading and vocabulary are stressed in this class. Practice SAT tests are given and students are able to see their progress in the three specific areas of the test.

WRITING – This course is intended to build the necessary writing skills for taking the Writing portion of the SAT. The main areas of study will include essay writing skills and grammar. Practice SAT tests are given and students are able to see their progress in the two specific areas of the test.

MATH - This course will review the math skills needed for the SAT I Test. The students will also be taught test taking skills and strategies.

COMPUTER SCIENCE I #3184 (Grades 10, 11, 12) 1 Credit
Prerequisite: Successful completion of Algebra II or concurrently
This course is designed to introduce the students to structure programming. The development of computers will be discussed with units on history, hardware, and software. Structured programming with a top-down design will be emphasized while the students learn data types, looping, array manipulations, and files. The course covers the data structure and program structure that will be encountered in a first semester college course in programming. Problem solving, simulation, and software design will be emphasized as well as analysis of searching and sorting algorithms. Algorithms will be developed for searching and sorting lists of information.

COMPUTER SCIENCE II #3186 (Grades 11, 12) 1 Credit
Prerequisite: C or better in Computer Science I and recommendation of the teacher
This course is designed to introduce students to structure programming using the language of JAVA. This course will introduce students to the concept of object orientated programming. In addition the course will cover topics including structured programming and proper documentation techniques, debugging and executing programs using I/O files, subroutines, arrays, searches, and sorts.

COMPUTER SCIENCE III, IV #31990, 31991 (Grades 11, 12) 1 Credit
Prerequisite: Recommendation of the teacher and Computer Science II
This course is designed as a cooperative learning class. The student will go to a local company where they (the student) will be paired with a sponsor/mentor. This mentor will instruct the student in various areas of computer science.
SCIENCE,
All course offerings are dependent upon teacher availability, enrollment, space and scheduling.

**EARTH SCIENCE I #4210 (Grades 9) – SOL/EOC test administered**
1 Credit
**Prerequisite:** None
Earth Science I attempts to inform the student of the various aspects of the planet Earth including its geology, meteorology, oceanography, and related astronomy. Emphasis is placed on the involvement of the student to form an overall view of our earth as it affects the individual and mankind.

**BIOLOGY I #4310 (Grades 10) – SOL/EOC test administered**
1 Credit
**Prerequisite:** Earth Science I
Biology I is a science course which incorporates both lab and lectures in the presentation of the following areas: ecology, anatomy, physiology, biochemistry, taxonomic relationships of plants and animals, reproduction and heredity, microbiology cellular structure and function, general biology, and scope of biology.

**CHEMISTRY #4410 (Grades 11, 12) – SOL/EOC test administered**
1 Credit
**Prerequisite:** C in Biology I or Earth Science I; (Algebra II must either be completed or taken concurrently.)
Chemistry encompasses a review of the principles of the physical science upon which a comprehensive chemistry course is based, then proceeds to develop the early bases of chemistry, the changing and revised concepts of the atom; activity and bonding of atoms. The course includes the chemistry of carbon compounds and practical relationships to fuels, energy, and synthetic items of commerce. Familiarization and manipulation of laboratory equipment are stressed.

**EARTH SCIENCE II: ASTRONOMY #4260 (Grades 11, 12)**
1 Credit
**Prerequisite:** Earth Science I, Biology I
Astronomy examines the forces and celestial bodies of the universe. This course is designed to provide interested students with the opportunity to participate in an in depth study of the physical and mechanical universe. Students will investigate the historical development of astronomy as a science, leading to a knowledge that will enable them to understand the discoveries of the twenty-first century. This course will incorporate activities such as stargazing through telescopes, laboratory exercises, and classroom demonstrations. Students will be well versed in the terminology and techniques of the modern astronomer.

**EARTH SCIENCE II: GEOLOGY #4240 (Grades 11, 12)**
1 Credit
**Prerequisite:** Earth Science I, Biology I
Geology examines the physical and historical aspects of the Earth with emphasis placed on the geological processes and features that students have encountered or may encounter in their lives. The dynamic forces (both gradual and sudden) that have shaped the Earth in the past and continue to alter the face of the planet today are studied. Students participate in laboratory activities that provide hands-on experiences in the use of the tools and techniques, with a focus on the gathering and preparation of Geologic specimens and the interpretation of data.

**BIOLOGY II: GENETICS #4350 (Grades 11, 12)**
1 Credit
**Prerequisite:** Earth Science I, Biology I
Genetics examines the historical and theoretical aspects of this specific field of biology. General areas of study will include molecular genetics, the passage of traits from parents to offspring, and the origin and change of life-forms over time. As we accomplish this study, students will become properly equipped with the skills to deal with the ethical issues related to these topics. Emphasis is on acquiring knowledge through laboratory experiences and understanding the processes of science.
ADVANCED PLACEMENT BIOLOGY #4370 (Grade 11, 12) 1 Credit
Prerequisite: B in Biology I; C in Chemistry; Anatomy and Physiology recommended prior to enrolling. Mandatory Labs are scheduled on Thursdays from 3:00 to 6:00 p.m.
The purpose of this course is to prepare students to take the Advanced Placement Biology exam for which college credit and/or placement may be granted by an approving institution for a qualifying score. Advanced Placement Biology is a second-level biology course that utilizes laboratory research activities to acquaint students with the means by which biological information is collected and interpreted. The course is designed for students who have completed the core science curriculum and are now prepared to pursue more advanced and specialized studies. (All students are required to take the Advanced Placement Biology exam in May.)

PHYSICS #4510 (Grades 11, 12) 1 Credit
Prerequisite: Chemistry. Juniors must have completed Trigonometry/Advanced Math prior to taking Physics. Seniors must have completed or be taking Trigonometry/Advanced Math concurrently. Students must complete the RCC application located on the last page of this Program of Studies booklet.
Physics is the science of matter and is concerned with its fundamental structure, properties and behavior. This course analyzes motion, force, friction, energy, light, sound, electricity, heat, and nuclear physics. It is a college preparatory course highly recommended for those going into any type of scientific profession, as well as a general information course for those who want to be prepared for our advanced technical society.
Note: This class is a dual enrollment class in agreement with Rappahannock Community College.

ANATOMY AND PHYSIOLOGY #4330 (Grades 11, 12) 1 Credit
Prerequisite: B in Biology I; C in Chemistry or currently enrolled in Chemistry; passed Biology and Chemistry SOL tests
Anatomy and Physiology is a course dealing largely with the anatomy, physiology, ecology, biochemistry, and biophysics of higher mammalian life. Extensive laboratory experiences in anatomical dissection of the cat specimen and comprehensive treating of human physiology are provided. The course is biologically oriented and particularly suited to those students who wish to enter the medical and allied science fields, biology, biochemistry, or physical education.

MARINE BIOLOGY #46102 (Grade 12) 1 Credit
Prerequisite: Seniors only; B in Biology I; C in Chemistry; passed Biology and Chemistry SOL tests
The purpose of the course is to study the sciences of biology, chemistry, and physics in relation to bodies of salt water. The students will set up and maintain a salt water aquarium. Studies will include the chemistry of a balanced ecosystem, the physics of wave and water motion, the biosystems that live in salt water, marine life in its natural habitat, and possible environmental dangers to those areas.
HISTORY AND SOCIAL SCIENCES
All course offerings are dependent upon teacher availability, enrollment, space and scheduling.

WORLD HISTORY II (from 1500 A.D.) #2216 (Grades 9, 10, 11, 12) – SOL/EOC test administered 1 Credit
Prerequisite: None
This course is designed to provide the student with an understanding of modern civilization’s heritage through examination of the time period from 1500 A.D. to present. The study of literature, science, drama, philosophy, and art will include the Renaissance, Age of Exploration, Age of Empires, Age of Revolutions, and the Twentieth Century. In addition, students will identify the contributions of various civilizations to contemporary society as well as use basic geography skills.

WORLD GEOGRAPHY #2210 (Grades 9, 10, 11, 12) – SOL/EOC test administered 1 Credit
Prerequisite: None
Geography is a course designed to introduce the student to the physically and culturally diverse world in which he or she lives. Students will study six general areas of the world. The course incorporates a general overview and perspective for each area while emphasizing comprehensive aspects of geography including physical features, population issues, characteristics of various cultures, natural resources and the extent of their exploitation or development, characteristics of industrial and developing counties, contributions and interaction between various countries and regions, and human reaction to the environment in which they live.

UNITED STATES AND VIRGINIA HISTORY #2360 (Grade 11) – SOL/EOC test administered 1 Credit
Prerequisite: Successful completion of either World History I, World History II, or World Geography
United States History focuses on the historical development of American ideas and institutions from the Age of Exploration to the present. While focusing on political and economic history, this class provides students with the basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in United States and Virginia history. The U. S. History course is divided into 13 Units of Study: Native Peoples and European Explorers, Colonial America, the Revolutionary Period, Foundations of the New Government, the Antebellum Period, Civil War and Reconstruction, the Gilded Age, Imperialism, The 1920’s and 1930’s, W.W. II, the Cold War, the Civil Rights Movement, and Contemporary Issues.

UNITED STATES AND VIRGINIA GOVERNMENT #2440 (Grade 12) 1 Credit
Prerequisite: Successful completion of United States and Virginia History
United States and Virginia Government examines the United States and Virginia Constitutions; the structure and operation of the United States and Virginia governments; the process of policy-making, with an emphasis on economics, foreign affairs, and civil rights issues; and the impact of the general public, political parties, interest groups, and the media on policy decisions. United States political and economic systems will be compared to those of other nations, with emphasis on the relationships between economic and political freedoms. Economic content covers the United States market system, supply and demand, and the role of government in the economy.

HONORS GOVERNMENT #2440H (Grade 12) 1 Credit
Prerequisite: Successful completion of United States and Virginia History
This advanced class is designed for college bound seniors. Students should expect increased emphasis on individual and group projects, writing, research, and public speaking. Analysis of primary sources, focus on current events, and contact with public officials will be fundamental to the course.

ADVANCED PLACEMENT (AP) UNITED STATES HISTORY #2319 (Grade 12) 1 Credit
Prerequisite: A or B in United States and Virginia History; pass the SOL test in U.S. History
This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the program and materials in United States History. Students are prepared for intermediate and advanced college courses by making demands upon them equivalent to those made by a full-year introductory college course. Students should learn to assess historical materials---their relevance to a given interpretive problem, their reliability, and their importance---and to weigh evidence and interpretations presented in historical scholarship. This course develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. The course includes intellectual-cultural, political-diplomatic, and social-economic history, and covers the period from approximately 1450 to the present.
LAW AND ECONOMICS #2420 (Grades 11, 12) 1 Credit
Prerequisite: None
This course is designed to investigate the basic concepts of law and the application of those concepts to society and the individual's position in society. The course deals with definitions and interpretations exposing the student to an understanding of his/her rights, privileges, limitations, protections, and responsibilities under the law. It also examines civil and criminal law on all levels (local, state, and federal) and includes sections on consumer and family legal principles and practices.

BLACK HISTORY #2435 (Grades 11, 12) 1 Credit
Prerequisite: None
This is an elective course designed to present a detailed analysis of the African American experience, emphasizing the integral role of the African American in the development of the United States. The course presents a comprehensive treatment of the African American from his roots in Africa, arrival in America, early New World settlements, and the pre and post slavery circumstances to his present role as an American citizen. Emphasis is placed on events as they affected black people and the experiences and contributions, material, cultural and philosophical, of black people to American life, aspects of history often treated lightly in traditional sources. The course encourages students to be more objective, form opinions based on fact, and to put today’s problems of race relations in a clearer perspective.

INTERNATIONAL RELATIONS #2810 (Grades 11, 12) 1 Credit
Prerequisite: None
This course is an interdisciplinary approach to acknowledging and understanding the cultural diversity of the world. This course also strives to help students become more sensitive to issues of diversity, inclusion, and multiculturalism. Source materials for the course will include newspapers, magazines, periodicals, and videos. Use of the Internet to develop correspondence between this and similar classes in other countries will be an integral part of the course. Online sites such as CNN Newsroom, and C-SPAN and their maps, photos, charts, original documents, and audio clips will be used.

SOCIOLOGY #2500 (Grades 11, 12) 1 Credit
Prerequisite: None
This is an elective course designed for mature eleventh and twelfth grade students. Sociology is a social science that concentrates on the way people relate to one another and influence each other’s behavior. Focusing on group behavior, students will study American social institutions including religion, family, economics, and education. Students will also examine and possibly research areas of social change including altered life styles, minority issues, population growth, changing moral values, the welfare system, family decisions and issues, poverty, crime, drug abuse, and adolescence. A research paper will be assigned.

PSYCHOLOGY #2900 (Grades 11, 12) 1 Credit
Prerequisite: None
This course is a survey course meant to introduce high school juniors and seniors to basic psychological concepts and to prepare them to do well in college level psychology courses. The course will center around the study of human behavior. It will seek to help the students understand themselves and others more fully. Early in the course, the history, important contributions, and theories of psychology will be explored. Other aspects, such as personality development, adolescent psychology, and abnormal psychology, will also be studied.

HUMANITIES (PHILOSOPHY) #2315 (Grade 12, selected Grade 11) 1 Credit
Prerequisite: None
This course provides an overview of the major branches of philosophy: logic, epistemology, metaphysics, aesthetics, and ethics. Students will be introduced to the ideas of selected major philosophers in the ancient, medieval, modern, and contemporary periods. Students will critically interact with these ideas through discussion, debate, and a series of student-written position papers.
MILITARY HISTORY #2996 (Grades 10, 11, 12) 1 Credit
Prerequisite: Successful completion of World History I and/or World History II
This course examines the development of military strategies and hardware throughout the world from ancient times to the present. Students will analyze and interpret battles, wars and armed conflicts which have influenced world history. Emphasis will be placed on students learning to assess and analyze historical materials. There will be a substantial evaluation based on the mastery of deciding variables associated with armed conflict.

EUROPEAN HISTORY #2398 (Grades 11, 12) 1 Credit
Prerequisite: Successful completion of either World History I or World History II
Dual Enrollment class in agreement with Rappahannock Community College.
Students must complete the RCC application located on the last page of this Program of Studies booklet.
This course examines the development of Western Civilization from ancient times to the present. The focus is on the significant events, themes, and trends in European History. Students will analyze and interpret historical events. Emphasis will be placed upon progress over time and how past events have influenced the present. Students will be required to demonstrate mastery of the subject matter in essay format. Also, several research papers will be assigned.

Multi-Academic Courses
All course offerings are dependent upon teacher availability, enrollment, space and scheduling.

SAT PREP #1516 (Grade 11) 1 Credit
Prerequisite: Algebra II
This course is always offered in the First Semester and students are encouraged to register for the SAT at the end of this course or in the Spring Semester.
VERBAL - This course is intended to build skills necessary for taking the Verbal portion of the SAT. The main areas of study are critical reading, sentence completion, and analogies. Vocabulary building is a key ingredient in successfully taking the SAT; therefore, reading and vocabulary are stressed in this class. Practice SAT tests are given and students are able to see their progress in the three specific areas of the test.
WRITING – This course is intended to build the necessary writing skills for taking the Writing portion of the SAT. The main areas of study will include essay writing skills and grammar. Practice SAT tests are given and students are able to see their progress in the two specific areas of the test.
MATH - This course will review the math skills needed for the SAT I Test. The students will also be taught test taking skills and strategies.

FRESHMAN TRANSITION ACADEMY #9826 (Grade 9) 1 Credit
Prerequisite: Recommendation from middle school or parent request
This course is designed to provide additional assistance to students who are making the transition from the middle school to the high school. Students will learn study skills/organizational skills, work to improve their skills in working cooperatively with peers and teachers, and will explore career options. In addition, students will receive assistance to improve their success in other classes.
FOREIGN LANGUAGE

All course offerings are dependent upon teacher availability, enrollment, space and scheduling.

On the Advanced Studies Diploma students must successfully complete 3 levels of one language or 2 levels of one language and 2 levels of a different language. All Level I languages are taught during the Spring Semester and all Level II languages are taught during the Fall Semester. Since students only take one level per year this allows students to take their beginning levels during two consecutive semesters.

FRENCH I #5110 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: C or better in English
The student begins to develop the elementary skills of listening, speaking, reading, and writing. The course also examines the cultural and geographical aspects of the French speaking countries. A major focus of this class is frequent and accurate oral participation and group or pair interaction. Students will be taught how to take responsibility for learning a foreign language.

FRENCH II #5120 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: C or better in French I
The student continues to develop the elementary skills of listening, speaking, reading, and writing. The course continues the examination of the French speaking countries. A major focus of this class is frequent and accurate oral participation and group or pair interaction. There is heavy emphasis on the culture of French speaking areas.

FRENCH III #5130 (Grades 10, 11, 12) 1 Credit
Prerequisite: C or better in French II
This course advances the study of the basic grammar, vocabulary, and cultural items necessary for future study or travel. Reading and creative use of writing and speaking for personal expression are increasingly emphasized. A major focus of this class is frequent and accurate oral participation and group or pair interaction.

ADVANCED FRENCH IV #5140 (Grades 11, 12) 1 Credit
Prerequisite: C or better in French III or recommendation of the teacher
In this advanced level course, students are expected to have already demonstrated mastery of the grammar, vocabulary, and cultural knowledge necessary for a basic level of proficiency in the language and to integrate this knowledge in more advanced levels of speaking, reading and writing. Primary emphasis is on self-expression and creative use of the language. This course is designed for the more advanced fourth year student who wants the challenge of working more independently and creatively.

ADVANCED PLACEMENT FRENCH V #5140 (Grades 11, 12) 1 Credit
Prerequisite: C or better in French IV or recommendation of the teacher
This advanced level course will prepare students to take the AP French exam. This course will focus on higher level oral and written communication. Students will perfect their French skills as they read authentic materials, write papers, do research projects and study French cinema and music. Because this course is equivalent to an intermediate level college course, this is a weighted credit class and the student is expected to perform at that level.

ADVANCED FRENCH VI #5150 (Grades 11, 12) 1 Credit
Prerequisite: C or better in French IV and V or recommendation of the teacher
This course will focus on higher level oral and written communication. Students will perfect their French skills as they read authentic materials, write papers, do research projects and study French cinema and music. Because this course is equivalent to an intermediate level college course, this is a weighted credit class and the student is expected to perform at that level.
GERMAN I #5210 (Grades 9, 10, 11, 12)  1 Credit
Prerequisite: C or better in English
The student begins to develop the elementary skills of listening, speaking, reading, and writing. The course also examines the cultural and geographical aspects of the German speaking countries. A major focus of this class is frequent and accurate oral participation and group or pair interaction. Students will be taught how to take responsibility for learning a foreign language.

GERMAN II #5220 (Grades 10, 11, 12)  1 Credit
Prerequisite: C or better in German I
The student continues to develop the elementary skills of listening, speaking, reading, and writing. The course continues the examination of the German speaking countries. A major focus of this class is frequent and accurate oral participation and group or pair interaction.

GERMAN III #5230 (Grades 11, 12)  1 Credit
Prerequisite: C or better in German II
This course advances the study of the basic grammar, vocabulary, history, and cultural items necessary for future study or travel. Reading and creative use of writing and speaking for personal expressions are emphasized. A major focus of this class is frequent and accurate oral participation and group or pair interaction.

ADVANCED GERMAN IV #5240 (Grades 11, 12)  1 Credit
Prerequisite: B or better in German III or recommendation of the teacher
In this advanced level course, students will have already demonstrated mastery of the grammar, vocabulary, and cultural knowledge necessary for a basic level of proficiency in the language and to integrate this knowledge in more advanced levels of speaking, reading, writing, and listening. Students will read some examples of German literature. Because this course is equivalent to an intermediate level college course, this is a weighted credit course and the student is expected to perform at that level.

ADVANCED PLACEMENT GERMAN V #5250 (Grades 11, 12)  1 Credit
Prerequisite: B or better in German III and IV or recommendation of the teacher
In this advanced level course, students will have already demonstrated mastery of the grammar, vocabulary, and cultural knowledge necessary for a basic level of proficiency in the language and to integrate this knowledge in more advanced levels of speaking, reading, writing, and listening. Students will read some examples of German literature. Because this course is equivalent to an intermediate level college course, this is a weighted credit course and the student is expected to perform at that level. The Advanced Placement test will be administered in May.

SPANISH I #5510 (Grades 9, 10, 11, 12)  1 Credit
Prerequisite: C average or better in English
The student begins to communicate effectively and accurately through the development of the elementary skills of listening, speaking, reading, and writing. The course also examines the cultural and geographical aspects of the Spanish-speaking countries. A major focus of this class is frequent and accurate oral participation and group or pair interaction. Students will be taught how to take responsibility for learning a foreign language.

SPANISH II #5520 (Grades 9, 10, 11, 12)  1 Credit
Prerequisite: C average or better in Spanish I
The student continues to communicate effectively and accurately through the on-going development of the skills of listening, speaking, reading, and writing. The course continues the examination of the Spanish-speaking countries. A firm foundation in the previous year’s vocabulary and grammar is expected. A major focus of this class is frequent and accurate oral participation and group or pair interaction.

SPANISH III #5530 (Grades 10, 11, 12)  1 Credit
Prerequisite: C average or better in Spanish II
This course advances the study of the basic grammar, vocabulary, and cultural items necessary for future study or
travel. Reading and creative use of writing and speaking for personal expression are increasingly emphasized. A firm foundation in the previous years’ vocabulary and grammar is expected. The course focuses on effective communication through reading, writing, listening, and speaking with accuracy. A major focus of this class is frequent and accurate oral participation and group or pair interaction.

ADVANCED SPANISH IV #5540 (Grades 11, 12)  
Credit  
Prerequisite: B or better in Spanish III or recommendation of teacher  
Students will explore various elements of contemporary Hispanic culture, read a variety of literary selections, write compositions, do presentations, fine-tune grammar, and generally perfect and expand their knowledge and ability to use the Spanish language. This course is principally conducted in Spanish. There will be a variety of written and oral presentations of varying lengths throughout the semester. All students will be required to make a 15-minute oral presentation to the class in Spanish on a topic of their choosing. This course is designed for the more advanced fourth year student who wants the challenge of working more independently and creatively. Because this course is equivalent to an intermediate level college course, this is a weighted credit class and the student is expected to perform at that level. This course is offered 1st semester.

ADVANCED PLACEMENT SPANISH V #5550 (Grades 11, 12)  
Credit  
Prerequisite: B or better in Spanish IV or recommendation of teacher  
In this weighted course, students will explore the development of Hispanic culture, read a variety of literary selections, study the art and architecture of Spain and Latin America, and prepare compositions and presentations. This course is conducted in Spanish and all students are expected to use only Spanish. There will be a variety of written and oral presentations of varying lengths throughout the semester. Students will be required to make a 15-minute oral presentation to the class in Spanish on a topic of their choosing. This course is offered 2nd semester.

ADVANCED SPANISH VI #5560 Supervised Independent Study (Grade 12)  
Credit  
Prerequisite: B or better in Advanced Spanish V and permission of the teacher  
Designed for the student who wishes to continue their study of Spanish, this weighted course will contain a variety of activities that the student will pursue independently and report to the teacher on a regular basis. The student will read, write, and converse in Spanish. Spanish is the only language of the class. This course is offered 2nd semester.
HEALTH, PHYSICAL EDUCATION, AND DRIVER EDUCATION

All course offerings are dependent upon teacher availability, enrollment, space and scheduling. Only one Physical Education course may be taken during a school year.

HEALTH AND PHYSICAL EDUCATION 9 #7300 (Grade 9) 1 Credit
Prerequisite: None
The Health course is designed to help the student gain an intelligent understanding of his or her mind and body in order to maintain good health and to couple their knowledge with a desire to achieve the highest degree of physical and mental fitness. The Physical Education course is designed to provide lifetime physical fitness activities as well as skills and strategies for team and individual sports. Only one Physical Education course may be taken during a school year. 
Grade is based on 60% Physical Education and 40% Health Education.

HEALTH, PHYSICAL EDUCATION & DRIVER EDUCATION 10 #7405 (Grade 10) 1 Credit
Prerequisite: Health and Physical Education 9
The Health course is a continuation of the knowledge introduced in Health 9. Physical Education is a continuation of the fitness activities introduced in Physical Education 9 with emphasis placed on more advanced fitness activities and more advanced skill levels for sports. Only one Physical Education course may be taken during a school year. The Driver Education course is designed to help students become competent and responsible drivers. The course covers the book component only. Behind the wheel education is arranged separately for a fee.
Grade is based on 60% Physical Education and 40% Driver’s Education.

PHYSICAL EDUCATION 11 #7510 (Grade 11) 1 Credit
Prerequisites: B or better in Physical Education 9 and 10 or teacher recommendation
This course is designed for athletes to enhance personal development through participation in physical activities. Emphasis is placed on developing:

• physical efficiency and fitness
• advanced physical skills and game strategies
• desirable health habits, attitudes, and practices
• social and emotional health
• good sportsmanship and sense of fair play
• leadership ability and sense of responsibility

PHYSICAL EDUCATION 12 #7610 (Grade 12) 1 Credit
Prerequisites: B or better in Physical Education 9, 10, and 11 or teacher recommendation
This course is designed to aid students in developing an appreciation for individual, dual and team sports. Students will become more knowledgeable in games and sports and their history, rules, regulations, strategies, and basic skills. Only one Physical Education course may be taken during a school year.

SPORTS MEDICINE/ATHLETIC TRAINING #7660 (Grade 11-12) 1 Credit
Prerequisites: B or better in Biology, PE 9 and PE 10; an interest in career fields such as athletic training, physical therapy, and sports medicine.
This course will cover fundamental concepts of basic anatomy, care of common injuries, first aid, injury prevention, rehabilitation techniques, reconditioning procedures, other health concerns, and administrative procedures. It also discusses different types of injuries; care and rehabilitation for each area of the body; and how and when to use specific forms of padding, taping, and bandaging. In addition, student will be required to perform
approximately 5-8 hours a week of clinic time after school.

FINE ARTS
All course offerings are dependent upon teacher availability, enrollment, space and scheduling.

ART

ART HISTORY #9170 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: None
In Art History, students will develop aesthetic concepts and vocabulary to help them describe, analyze, interpret, judge, discuss, and write intelligently about visual arts. Through media such as slides, videos, art prints, and the internet, students will explore art history thereby developing a sound basis on which to form their judgments about the visual arts. The course may be enhanced through field trips and hands-on projects.

ART I: FOUNDATIONS #9120 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: None
Art I is a general study of the fine arts, design and art appreciation. This course includes the creation of works of art, analyzing art, studying the art of many cultures, and recognizing the relationship of art to other fields, including media and mass communication. Emphasis is on developing design and drawing skills.

ART II: INTERMEDIATE #9130 (Grades 10, 11, 12) 1 Credit
Prerequisite: Art I
Art II is a continuation of the study of fine arts, design, and art application with a focus on developing increased skills in drawing, painting, sculpture, printmaking, etc.

ART III: ADVANCED #9140 (Grades 11, 12) 1 Credit
Prerequisite: Successful completion of Art II and permission of the instructor based on review of a portfolio of the student's artwork
In Art III, emphasis is on aesthetic judgment, visual problem solving, creative growth, and increased skills in a variety of media for personal expression. More time will be allowed for individual projects, the development of drawing and painting skills, and assembling of a portfolio. Students will also participate in preparing artwork for public viewing.

CRAFT DESIGN I #9160 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: None
This course is intended as an introductory arts and crafts course and the objectives are flexible enough to include activities in general art application, design, and the creative crafts. A variety of media and materials will be explored.

CRAFT DESIGN II #9161 (Grades 10, 11, 12) 1 Credit
Prerequisite: Craft Design I
Craft Design II is geared to the highly motivated students who have taken Craft Design I and wish to further explore art and craft areas. Some of the areas to be explored include batiking, ceramics, print-making, and mask making.

MUSIC

MUSIC APPRECIATION #92220 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: None
Students will study the history of Western Music, music styles and influences in world music, and introductory music theory. Topics of interest include: popular music, classical music, traditional music, music in film, music of Broadway, and World Music. Students may be required to attend one concert performance during the year.

BEGINNING BAND #9232 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: None
The beginning class in instrumental music is designed for students with no previous instrumental training or musical knowledge. The instructor will provide guidance to the students and their parents in the selection of an instrument with balanced instrumentation a prime objective. The needs, wishes, physical adaptability, and the best development of the student will always be considered. The class will emphasize the fundamental skills of instrumental music. By the end of the course students will have met the requirements for Beginning Proficiency as set forth in the Music Standards of Learning by the Virginia Department of Education. The Beginning Band class will perform in at least one concert during the year.

CONCERT BAND #92330 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: Special permission of the instructor; instrument must be approved
The concert band is the premier instrumental ensemble at K.G. H. S. This course is designed for the intermediate to advanced instrumental music student. The curriculum will include continued development of an advanced instrumental proficiency through: the study of rigorous music literature, scale studies (majors, minors and various modes), etudes for full ensemble, basic music theory, and music history. By the end of the course students will have met the requirements of the Intermediate to Artist Level of Proficiency (based on current level of proficiency) as set forth in the Music Standards of Learning by the Virginia Department of Education. All out-of-school rehearsals and performances are required of all members during the school year.

PERCUSSION ENSEMBLE #92502 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: Special permission of the instructor; instrument must be approved
Students will study and perform a wide variety of music written for percussion instruments. In addition to performing music written for Percussion Ensemble, students will perform with the concert band on all performances. This course is designed for the intermediate to advanced instrumental music student. The curriculum will include continued development of an advanced instrumental proficiency through: the study of rigorous music literature, scale studies (majors, minors and various modes), etudes for full ensemble, basic music theory, and music history. By the end of the course students will have met the requirements of the Intermediate to Artist Level of Proficiency (based on current level of proficiency) as set forth in the Music Standards of Learning by the Virginia Department of Education. All out-of-school rehearsals and performances are required of all members during the school year.

JAZZ IMPROV #92500 (Grades 10, 11, 12) 1 Credit
Prerequisite: Special permission of the instructor; instrument must be approved
The Jazz Improv class is designed for advanced instrumental students seeking to develop skills in jazz improvisation. The curriculum will include developing an advanced instrumental proficiency through: techniques for improvisation, jazz articulations, scale studies, outline studies, the performance of jazz standards in a variety of styles (swing, latin, bebop, fusion). By the end of the course students will have met the requirements of the Intermediate or Artist Level of proficiency (based on current level of proficiency) as set forth in the Music Standards of Learning by the Virginia Department of Education. All out-of-school rehearsals and performances are required of all members during the school year.

ADVANCED PLACEMENT MUSIC THEORY #9226 (Grades 11, 12) 1 Credit
Prerequisite: Teacher approval
Students will learn how written music is formed and how it functions. Basic music fundamentals will be reviewed before advanced level studies begin. Composition and ear training will be stressed. Focus will be given to advanced levels of harmonic and rhythmic dictation, chorale style composition, modes and further ear training. Students will be required to purchase a music note pad and keep a music theory notebook. The Advanced Placement test will be administered to each student in the course.

GENERAL CHORUS #9260 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: None
Chorus is designed for students who may have limited knowledge in music, but who have a desire to sing. Students will be introduced to vocal productions, performance techniques, and basic music skills. Each student must attend all rehearsals and participate in all performances as a part of the course requirements.

INTERMEDIATE CHORUS #9285 Grades 9, 10, 11, 12) 1 Credit
Prerequisite: Successful completion of a middle school choir course or General Chorus.
Intermediate chorus is available to any student who has had at least one course in high school or middle school choir. Students will study more advanced music theory including composition, increase their sight-reading skills, study advanced choral literature including acapella pieces. Students will participate in concerts.

SELECT CHOIR #9289 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: Audition required
This choral group performs regularly for the school and the community. The members are selected by audition in both male and female voice categories. Advanced choral literature from all styles and musical periods are included in the group’s repertoire. Sight singing, music theory, and music appreciation are included as part of the curriculum. Each student must attend all rehearsals and participate in all performances as a part of the course requirements.

VOCAL ENSEMBLE – SHOW CHOIR #9280 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: Audition required
This course is designed for the advanced choral music student. It is designed for male and female voices and a balance of vocal parts is a major consideration. Students will study and perform a wide variety of music. Numerous performances are scheduled throughout the year. A high degree of skill in musicianship and performances are required. Choreography is included in the class.

VOCAL ENSEMBLE – MALE VOICES #9280M (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: None
This course is designed to introduce a variety of music that is appropriate for the developing male voice. Performances will be scheduled throughout the year, with and apart from other choral groups.

THEATRE

THEATRE I #1410 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: None
This course introduces students to dramatic and theatrical expression through such areas as performance, play writing, and adaptation. Students will work on assignments, which will help them to organize their thoughts, ideas, and responses to stimuli into modes of communicable theatrical forms. Emphasis will be placed on performance for beginners, play study, audition techniques, and play production. This course meets the requirements for a fifth English class.

ADVANCED THEATRE II, III, IV #1420, #1430, #1440 (Grades 10, 11, 12) 1 Credit
Prerequisite: Successful completion of Theatre I and written Teacher Approval on registration form
This course continues and strengthens the skills developed in Theatre I. Emphasis will be placed on performance through scene and monologue study, portfolio development, directing, and research. Students will be expected to achieve a higher level of performance ability and a broader knowledge of theatrical forms than students in the introductory course.
A listing of
Career and Technical Education Programs
at King George High School
and the CTE Student Organizations

What is a CTE Completer?
A Career and Technical Education Completer is a student who has met the requirements for a career and technical concentration or specialization and all requirements for high school graduation. A CTE Completer receives a certificate of accomplishment (and a special seal on his/her diploma if a “B” avg. in all CTE sequence classes).

What is a Non-Traditional Course?
A Non-Traditional Course is a course taken by a student of the gender that is not typically seen as a member of that workforce.

Agriculture Education
FFA – Future Farmers of America
To be a completer:
Must complete a sequence of Agriculture classes:
Horticulture Sciences 8034 AND 8035 AND 8036

Business & Information Technology Education
FBLA – Future Business Leaders of America
To be a completer:
Must complete a sequence of Business & Information Technology classes:
Keyboarding Applications 6152 (or Keyboarding 6151 in 8th grade) AND at least TWO other BUS & IT Courses

Marketing Education
DECA – An Association of Marketing Students
To be a completer:
Must complete a sequence of Marketing classes:
Marketing 8121 AND Advanced Marketing 8131
OR Sports, Ent, & Rec Mktg 8176 AND Advanced SE&R Mktg 8178
OR Sports, Ent, & Rec Mktg 8176 AND Advanced Marketing 8131

Trade & Industrial Education
Skills USA – T & I Student Organization
To be a completer:
Must complete with a sequence of Trade & Industrial classes:
Industrial Certification is available in several of our CTE Programs at KGSH!

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<thead>
<tr>
<th>PROGRAM</th>
<th>COURSE NAME &amp; NUMBER</th>
<th>COMPLETER</th>
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<td>Greenhouse Plant Production &amp; Management #8035</td>
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<td>Landscaping #8036</td>
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<td>Business &amp; Information Technology</td>
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<td>#6152 AND TWO other B&amp;IT Occupational Courses (except #6799)</td>
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(This includes HVAC, Sheet Metal, Electricity, & Welding.)
CAREER AND TECHNICAL EDUCATION
All course offerings are dependent upon teacher availability, enrollment, space and scheduling.

AGRICULTURE

HORTICULTURE SCIENCES  #8034 (Grades 9, 10, 11)  1 Credit
Prerequisite: None
Students develop the necessary knowledge, skills, habits, and attitudes for entry into employment and advancement in areas such as floriculture, landscape design, greenhouse operations and production, and turf management. Students receive instruction in using soil and other growing media and in identifying, propagating, and growing horticultural plants in the greenhouse lab. Instruction is provided in safety practices and leadership development.

GREENHOUSE PLANT PRODUCTION AND MANAGEMENT #8035 (Grades 10, 11, 12)  1 Credit
Prerequisite: Pass Horticulture Sciences with a C or better
Students learn the operating procedures for a greenhouse. Units of instruction include developing plant production facilities, science application in plant production, and identifying plants. Business management and marketing skills are emphasized to prepare students for careers in greenhouse plant production and management industry. Leadership development is offered through participation in FFA.

LANDSCAPING  #8036 (Grades 10, 11, 12)  1 Credit
Prerequisite: Pass Horticulture Sciences with a C or better
Students develop the necessary knowledge, skills, habits, and attitudes for entry into employment and advancement in areas such as landscape design, construction and maintenance. Students receive instruction in sketching and drawing, analyzing a landscape site, function and aesthetics, identifying and selecting landscape plants, purchasing and installation, maintaining the landscape by watering, fertilizing, mulching, pruning, and pest control.

AGRICULTURAL EDUCATION CO-OP  #8099 (Grades 11, 12)  1 Credit
Prerequisite: Successful completion of an approved sequence of courses from the Agricultural Education department with a minimum grade of B and recommendation of the instructor.
Agricultural Co-Op (Cooperative Education) includes supervised on-the-job training, record keeping of wages and hours, and reporting in a journal style of what happens on the job. Students utilize what they have gained in their classroom coursework to compete in the outside job market, earning a fair wage for work done. Their Agricultural Co-Op Coordinator evaluates the student with her/her on the job supervisor at least four (4) times during the school year. Students average 11-15 hours per week on the job. Agricultural Co-Op is a year long course. Students must work both semesters to earn this credit. Co-Op application must be returned to the instruction

BUSINESS AND INFORMATION TECHNOLOGY

Future Business Leaders of America (FBLA) is an association of all business students and is a co-curricular activity in all business classes that combine educational and leadership development activities with classroom instruction. All business students are automatically FBLA members. Dues paying FBLA members can participate in local, state, and national leadership development conferences and
competitions. It is strongly encouraged for all business students to be involved with FBLA.

**KEYBOARDING APPLICATIONS #6152 (Grades 9, 10, 11, 12) 1 Credit**

**Prerequisite: None**

Students develop skills in touch keyboarding and correct manipulation of the keyboard. Keyboarding applications is a basic communications course with emphasis on the application of keyboarding skills to personal and business letters, outlines, manuscripts and tabulated reports.

**PRINCIPLES OF BUSINESS AND MARKETING #6115 (Grades 9,10) 1 Credit**

**Prerequisite: None**

This course will provide students the opportunity to sample both marketing and business topics of study at their most basic levels. It will allow the students to make an educated choice on which CTE pathway they want to pursue as upper classmen. Students explore the roles of business and marketing in the free enterprise system and the global economy. Students study how the American economy operates and prepare to make decisions as consumers, wage earners, and citizens. Membership in FBLA and DECA are strongly advised.

**INFORMATION TECHNOLOGY IT FUNDAMENTALS #6670 (Grades 9, 10) 1 Credit**

**Prerequisite: Keyboarding Applications or Middle School 8th Grade Computer course**

This course is for 9th & 10th grade students that wish to continue course work in Computer Information Systems (6612) and Advanced Computer Information Systems (6613) and is a good introductory course in computers and their usage. Information Technology IT Fundamentals introduces the essential skills needed for students to pursue specialized programs leading to technical and professional careers and certifications in the IT industry. Students have an opportunity to investigate career opportunities in four major IT areas: Information Services and Support, Network Systems, Programming and Software Development, and Interactive Media. The focus of the IT Fundamentals course is on introducing skills related to information technology basics, Internet fundamentals, network systems, computer maintenance/upgrading/troubleshooting, computer applications, programming, graphics, Web page design, and interactive media. Students explore ethical issues related to computers and Internet technology and develop teamwork and communication skills that will enhance their employability.

**COMPUTER INFORMATION SYSTEMS #6612 (Grades 10, 11, 12) 1 Credit**

Dual Enrollment class in agreement with Rappahannock Community College.

Students must complete the RCC application located on the last page of this Program of Studies booklet.

**Prerequisite: Keyboarding or Middle School Computer course**

Computer Information Systems is designed to introduce students to microcomputer technology and business applications using spreadsheets, databases, graphics, and word processing. This course also includes an introduction to the BASIC programming language and telecommunications. FBLA membership is strongly encouraged.

**ADVANCED COMPUTER INFORMATION SYSTEMS #6613 (Grades 11, 12) 1 Credit**

Dual Enrollment class in agreement with Rappahannock Community College.

Students must complete the RCC application located on the last page of this Program of Studies booklet.

**Prerequisite: Computer Information Systems**

This course is for 11th & 12th graders who have successfully completed Computer Information Systems 6612. The successful completion of these two courses along with Keyboarding Applications (6152) give the student CTE completer status and will receive a CTE Completer Seal on his/her diploma if the courses are completed with a B average. 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. Completion of this course may prepare the student for industry certifications.

**DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES #6630 (Grades 9, 10) 1 Credit**

Dual Enrollment class in agreement with Rappahannock Community College.

Students must complete the RCC application located on the last page of this Program of Studies booklet.

**Prerequisite: Keyboarding Applications or Middle School 8th Grade Computer course**
Students develop proficiency in using desktop software to create a variety of printed or electronic publications. Students will incorporate journalistic principles in design and layout. Students work with sophisticated hardware and software to develop Web sites and multimedia presentations. Current versions of PowerPoint, Publisher, and Front Page will be used in this course. FBLA membership is strongly encouraged.

ADVANCED DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES #6631 (Grades 11, 12) 1 Credit
Dual Enrollment class in agreement with Rappahannock Community College.
Students must complete the RCC application located on the last page of this Program of Studies booklet.
Prerequisite: Design, Multimedia, and Web Technologies
This course is for 10th, 11th & 12th graders who have successfully completed Design, Multimedia, and Web Technologies 6630. The successful completion of these two courses along with Keyboarding Applications (6152) give the student CTE completer status and will receive a CTE Completer Seal on his/her diploma if the courses are completed with a B average. Students develop advanced skills in creating interactive media, Web sites, and publications for print and electronic distribution. Students work with sophisticated hardware and software applying skills learned to real world projects. Completion of this course may prepare students for industry certifications. Design, Multimedia, and Web Technologies 6630 is a pre-requisite for this course.

OFFICE ADMINISTRATION #6621 (Grades 10, 11, 12) 1 Credit
Dual Enrollment class in agreement with Rappahannock Community College.
Students must complete the RCC application located on the last page of this Program of Studies booklet.
Prerequisite: Keyboarding or Middle School Computer course
This course represents the next natural step after Keyboarding Applications. If a student has done well and enjoyed Keyboarding, they will enjoy and do well in Office Administration. The entire course will involve computer usage, with primary emphasis on word processing. Students will learn Windows XP Applications. There will be a brief review of keyboarding basics, and students will learn to prepare new documents. Drill and practice on improving students' speed and accuracy while keyboarding will be stressed. Other areas covered include correct spelling of business terms, computerized filing, proper job hunting methods including correct procedures for interviewing, learning how to dress for success, etc. In addition, various office etiquette topics are discussed, such as: working and getting along with others, handling guests in an office, making travel arrangements, telephone equipment and proper usage, and handling mail in an office setting. FBLA membership is strongly encouraged.

BUSINESS MANAGEMENT #6135 (Grades 11, 12) 1 Credit
Dual Enrollment class in agreement with Rappahannock Community College.
Students must complete the RCC application located on the last page of this Program of Studies booklet.
Prerequisite: None
Business Management emphasizes the concepts and practices of business management. It is designed to demonstrate the management techniques and to equip an individual to contribute effectively to the overall goals of an organization. The course focuses on the managerial functions of planning, organizing, staffing, directing, and controlling as they relate to the daily job of a manager. FBLA membership is strongly encouraged.

ACCOUNTING #6320 (Grades 11, 12) 1 Credit
Dual Enrollment class in agreement with Rappahannock Community College.
Students must complete the RCC application located on the last page of this Program of Studies booklet.
Prerequisite: Good math background and keyboarding skills
Accounting emphasizes accounting principles as they relate to both manual and computerized financial systems. Instruction integrates microcomputers and electronic calculators as the relationships and processes of annual and computerized accounting are presented. FBLA membership is strongly encouraged.

ADVANCED ACCOUNTING #6321 (Grades 12) 1 Credit
Dual Enrollment class in agreement with Rappahannock Community College.
Students must complete the RCC application located on the last page of this Program of Studies booklet.
Prerequisite: Accounting and recommendation of instructor
Advanced Accounting is designed to utilize microcomputers to automate, analyze, and interpret business applications including payrolls, inventory, accounts payable, and accounts receivable. Management of financial records through various business activities, partnership and corporate accounting, general ledger, and cost accounting are also included. FBLA membership is strongly encouraged.

FINANCE #6120 (Grades 11, 12) 1 Credit
Dual Enrollment class in agreement with Rappahannock Community College.
Students must complete the RCC application located on the last page of this Program of Studies booklet.
Prerequisite: None
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. The course will also prepare students occupationally to plan, manage, and analyze the financial and monetary aspects and success of business enterprises, banking institutions, or other organizations. FBLA membership is strongly encouraged.

BUSINESS LAW #6131 (Grades 11, 12) 1 Credit
Dual Enrollment class in agreement with Rappahannock Community College.
Students must complete the RCC application located on the last page of this Program of Studies booklet.
Prerequisite: None
Students who are seeking employment, as well as college bound business students, are encouraged to enroll in Business Law. Students will examine the foundations of the legal system. Students will explore economic and social concepts as they relate to legal principles and to business and personal laws. Topics will include contractual law, commercial and consumer law, agency and employee law, and personal law. Students will learn through case study, lecture, and simulation. Written and oral presentations done individually and in groups will be required. FBLA membership is strongly encouraged.

MARKETING
DECA, an Association of Marketing Students, is the co-curricular activity for all Marketing students that provides educational and leadership development activities which merge with classroom instructional programs. This is an intrical activity for all Marketing students. This organization has local, regional, state, and national leadership development conferences and competitions for its members and teams.

INTRODUCTION TO MARKETING/MAKE IT YOUR BUSINESS #8111 (Grades 9, 10) 1 Credit
Prerequisite: None
This is a two-course combo designed to introduce 9th and 10th graders to the world of Marketing and Entrepreneurship. Students gain basic knowledge about marketing and its importance and basic skills important for entry-level marketing employment. The importance of marketing and the marketing concept will be explained. Students will also be provided the opportunity to run a small group or class business based on their own design for providing a service or product needed at our school. In this course, they will learn business terminology, basic entrepreneurship concepts, and fundamental business operating principles. (Active DECA membership is part of this course.)

FUNDAMENTALS OF MARKETING #8110 (Grades 10, 11) 1 Credit
Prerequisites: Introduction to Marketing/Make It Your Business recommended
In this course, students gain a basic understanding of marketing and its importance and develop fundamental social, economic, mathematical, marketing, job search, and occupational decision-making skills necessary for successful initial employment in retail, wholesale, or service businesses. This course will explain the process of marketing, its service to the public and benefits to the economy. Students will identify career choices, examine the marketing employment process, prepare and complete a routine sales transaction, explore promotional activities and target markets, human relations, and economic activities. This class would also continue to maintain and run the school store. (Active DECA membership is part of this course.)
MARKETING #8121 (Grades 11, 12)                              1 Credit
Dual Enrollment class in agreement with Rappahannock Community College.
Students must complete the RCC application located on the last page of this Program of Studies booklet.
Prerequisite:  Introduction to Marketing/Make It Your Business and/or Fundamentals of Marketing
This course includes classroom study and supervised on-the-job training either through unpaid Occupational
Education or paid Cooperative Education (see Marketing 8120). Students are introduced to functions and
foundations involved in the marketing of goods, services, and ideas and achieve skills necessary for successful
marketing employment. Students study risk management, selling, promotion, pricing, purchasing, marketing-
information management, product/service planning, distribution, and financing. Foundation skills include
economics, human resources, and marketing and business necessary for success in marketing occupations. (Active
DECA membership is part of this course.)

MARKETING CO-OP #8120 (Grades 11, 12)             1 Credit
Prerequisite:  Must be taking Marketing #8121 in the same year as the co-op. The credits for the course and
the co-op are tied together. This is a year-long 1 credit course. Co-Op application must be returned to the
instructor.
This course is a companion course to Marketing #8121. Marketing Co-Op (Cooperative Education) includes
supervised on-the-job training, record keeping of wages and hours, and reporting in a journal style of what happens
on the job. Students utilize what they have gained in their classroom Marketing #8121 coursework to compete in
the outside job market, earning a fair wage for work done. The Marketing Co-Op Coordinator evaluates the student
with his/her on-the-job supervisor at least four (4) times during the school year. Students earn one credit for this
course, holding a job for the whole school year, working a minimum number of hours, averaging 11 to 15 hours per
week. The student must receive a credit for Marketing #8121 in order to receive a credit for Marketing Co-Op
#8120. (Active DECA membership is part of this course.)

ADVANCED MARKETING #8131 (Grade 12)                              1 Credit
Dual Enrollment class in agreement with Rappahannock Community College.
Students must complete the RCC application located on the last page of this Program of Studies booklet.
Prerequisite:  Marketing
This course includes classroom study and supervised on-the-job training either through unpaid Occupational
Education or paid Cooperative Education (see Marketing #8130). Students continue to gain knowledge of the
marketing functions and foundations as they relate to supervisory and management responsibilities and develop
skills needed for advancement. They develop competencies for supervisory positions or for continuing education in
a marketing-related field. This semester course will examine Fashion Design and Marketing, Electronic
Commerce, International Marketing, Hotel/Motel Marketing, Travel and Tourism Marketing, and Real Estate
Marketing. (Active DECA membership is part of this course.)

ADVANCED MARKETING CO-OP #8130 (Grade 12)             1 Credit
Prerequisite:  Must be taking Advanced Marketing #8131 in the same year as the co-op. The credits for the course and
the co-op are tied together. This is a year-long 1 credit course. Co-Op application must be returned to the
instructor.
This course is a companion course to Advanced Marketing #8131. Advanced Marketing Co-op (Cooperative
Education) includes supervised on-the-job training, record keeping of wages and hours, and reporting in a journal
style of what happens on the job. Students utilize what they have gained in their classroom Advanced Marketing
#8131 coursework to compete in the outside job market, earning a fair wage for work done. The Marketing Co-Op
Coordinator evaluates the student with his/her on-the-job supervisor at least four (4) times during the school year.
Students earn one credit for this course, holding a job for the whole school year, working a minimum number of
hours, averaging 11 to 15 hours per week. The student must receive a credit for Advanced Marketing #8131 in
order to receive a credit for Advanced Marketing Co-Op #8130. (Active DECA membership is part of this course.)

SPORTS, ENTERTAINMENT, & RECREATION MARKETING #8176 (Grade 11, 12)         1 Credit
Prerequisite:  Introduction to Marketing or Fundamentals of Marketing
Students develop skills in the areas of marketing analysis, event marketing, communication, and human relations,
along with a thorough understanding of the sports, entertainment, and recreation industry and career options
available. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course. Computer/technology applications supporting this course are studied. Membership in DECA, an association of Marketing students and a co-curricular organization, is required.

ADVANCED SPORTS, ENTERTAINMENT, & RECREATION MARKETING #8178 (Grade 12)
Prerequisite: SPORTS, ENTERTAINMENT, & RECREATION MARKETING 1 Credit
Students will continue their study of the sports, entertainment, and recreation industry including the impact of Internet marketing and international marketing in this area. Other topics include market research, market segmentation, and sponsorships as well as planning, implementing, and evaluating SER events. Also covered will be working with agents and personal managers and appraising the role of labor unions in SER. Additional study will be focused on developing a career plan in the sports, entertainment, and recreation (SER) area. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course. Computer/technology applications supporting this course are studied. Membership in DECA, an association of Marketing students and a co-curricular organization, is required.

TRADE AND INDUSTRY

DRAFTING I: Basic Technical Drawing #8530 (Grades 9, 10, 11) 1 Credit
Prerequisite: Algebra I, Part I or Algebra I
This course is an introduction to drafting – the graphic language of industry. Engineers and architects use drafting to communicate their ideas. Course content focuses on fundamental drawing concepts and techniques. Students will learn how to correctly use drafting instruments, construct geometric shapes (geometry), read scales, letter freehand, use projection, visualize and interpret 2-dimensional and 3-dimensional objects. The student is also introduced to Computer Aided Drafting (CAD) using AutoCAD LT 2002 Software. Drafting students are strongly encouraged to join and participate in Skills USA., a national organization serving a quarter-million high school and college students and professional members who are enrolled in technical, skilled, and service occupations. Students should possess good hand-eye coordination. It is recommended the student have a strong math background.

DRAFTING II: Mechanical Drawing #8531 (Grades 10, 11, 12) 1 Credit
Prerequisite: Geometry, Drafting I (pass with a “C” or better)
This course focuses on creating auxiliary views, fasteners, pictorial drawings – technical illustration, surface developments, working drawings, and sectional views. The student will use Computer Aided Drafting (CAD) using AutoCAD LT 2002 software and manual drawing techniques. All skills learned in Drafting I will be applied. A strong math background is recommended. Drafting students are strongly encouraged to join and participate in Skills USA., a national organization serving a quarter-million high school and college students and professional members who are enrolled in technical, skilled, and service occupations. Students should possess good hand-eye coordination.

DRAFTING III: Architectural Drafting #8532 (Grades 11, 12) 1 Credit
Prerequisite: Geometry, Drafting II (pass with a “C” or higher, or recommendation from instructor)
This course focuses on architecture. The topics of space planning, materials and construction methods, plot plans, foundation plans, floor plans, elevations, electrical plans will be covered. The student will explore various systems such as floor, wall, and roof framing systems. The student will study building costs, building codes, and zoning regulations. The student will use Computer Aided Drafting (CAD) using AutoCAD LT 2002 software and manual drawing techniques. All skills learned in Drafting II will be applied. A strong math background is recommended. Drafting students are strongly encouraged to join and participate in Skills USA., a national organization serving a quarter-million high school and college students and professional members who are enrolled in technical, skilled, and service occupations. Students should possess good hand-eye coordination.

BUILDING TRADES I #8515 (Grades 10, 11) 1 Credit
Prerequisite: Drafting I and Algebra I, Part I or Algebra I
This course introduces students to the Fine Arts of Woodworking. Using a series of increasingly challenging projects, students will learn to master woodworking machines. Grades will be determined by these projects and the
student’s proficiency of machine use to achieve quality woodworking techniques.

BUILDING TRADES II #8516 (Grades 10, 11, 12) 1 Credit
Prerequisite: C or better in Building Trades I
Students will experience all aspects of the Construction Industry. Using a hands-on approach, students learn current methods of the building trades; from foundations to roofing, studding to trim work, designing to inspections. This course is designed to prepare students for apprenticeship in the world of construction.

BUILDING TRADES III #85170 (Grade 12) 1 Credit
Prerequisite: C or better in Building Trades II
This course is the final course in the Building Trades sequence. Students who have completed all three levels of Building Trades successfully will receive Course Completer status in this area. Building Trades III is a continuation of Building Trades II. This course prepares students to erect, install, maintain, and repair buildings and other structures, using materials such as metal, wood, stone, brick, glass, concrete and composition substances. Students develop skills in estimating costs; cutting, fastening, and fitting various materials; using hand and power tools; and following technical specifications and blueprints.

INDUSTRIAL MAINTENANCE TECHNOLOGY (Grades 10, 11, 12) 1 Credit
It is recommended that students have passed Algebra I, Part I or Algebra I. Additionally, students desiring to enroll in any “Part II” course must attain at least a “C” in Part I of that course or have a teacher recommendation before taking any “Part Two” course. Those enrolling is Sheet Metal and/or Welding should have also completed Drafting I.
Industrial Maintenance Technology is composed of eight (8) interdependent units of study that are offered on a semester basis. Students may elect to take any portion of the course that is offered although it is suggested that students begin the course in the 10th grade, first semester, and progress through at least six (6) consecutive units of the offerings or four (4) to complete the sequence and be considered a “completer”.
Present schedule for the above is tentatively planned as follows:

Fall 2007 - Residential Electric Part I #8533
Fall 2007 - Welding Part I #8672
Spring 2008 - Welding Part II #8673
Spring 2008 - Residential Electric Part II #8534

Fall 2008 - Heating, Ventilation, Air Conditioning and Refrigeration Part I #8503
Fall 2008 - Sheet Metal Part I #8663
Spring 2009 - Heating, Ventilation, Air Conditioning and Refrigeration Part II #8504
Spring 2009 - Sheet Metal Part II #8664

EDUCATION

TEACHERS FOR TOMORROW -TEACHER CADETS #9062 (Grade 11, 12) 1 Credit
Prerequisite: Minimum GPA of 2.7, 3 letters of recommendation, a completed application turned in to their counselor, the application essay completed and an interview.
The teacher cadet course introduces juniors and seniors to a career in teaching and education. The primary elements of the curriculum components are Experiencing Learning, Experiencing the Profession, and Experiencing the Classroom. The components are intentionally broad in scope and provide great flexibility based on the career interest of the student. In addition to the fundamental curriculum components, all students are to observe and
participate in an internship outside the Teacher Cadet classroom. The internship may be done from preschool through high school.

NJROTC

NAVAL SCIENCE I #7910 (Grades 9, 10, 11, 12) 1 Credit
Prerequisite: none (The student must have instructors’ prior approval to take two NJROTC courses in the same year.)
The purpose of this course is to introduce students to the precepts of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. This course is also designed to engender a sound appreciation for the heritage and traditions of America, with concentration in military customs and courtesies, and develop in each cadet a growing sense of pride in his/her organization, associates and self. These elements are pursued at a fundamental level.

NAVAL SCIENCE II #7920 (Grades 10, 11, 12) 1 Credit
Prerequisite: Successful completion of Naval Science I (The student must have instructors’ prior approval to take two NJROTC courses in the same year.)
The purpose of this course is to build on the general introduction provided in Naval Science I to further develop the traits of citizenship and leadership in students. Academic areas covered are maritime history and nautical sciences (maritime geography, oceanography, meteorology, astronomy, and aeronautical science).

NAVAL SCIENCE III #7930 (Grades 11, 12) 1 Credit
Prerequisite: Successful completion of Naval Science I and II (The student must have instructors’ prior approval to take two NJROTC courses in the same year.)
The purpose of this course is to build on the skills and knowledge gained in Naval Science I and II. It will further develop the traits and skills of leadership, citizenship, and technical knowledge in students. It will stress awareness of the Navy’s importance in national defense. Academic areas covered include sea power, national security, laws of the sea, nautical rules of the road, navigation, and shipboard life.

NAVAL SCIENCE IV #7940 (Grade 12) 1 Credit
Prerequisite: Successful completion of Naval Science I, II, and III; Naval Science Instructor recommendation (The student must have instructors’ prior approval before enrolling in Naval Science IV.)
The purpose of this course is to build on the skills and knowledge gained in Naval Science I, II, and III. It will further develop the traits and skills of leadership, citizenship, and technical knowledge in students. The course focuses on leadership theory (ethics, morals, and case studies) and application.
SPECIAL PROGRAMS

DEVELOPMENTAL READING #1180 (Grades 9, 10, 11, 12)  1 Credit
Prerequisite: Student must have an Individual Education Plan (IEP).
The students will improve reading comprehension and decoding skills.

MATH SKILLS DEVELOPMENT #8410S (Grades 9, 10, 11, 12)  1 Credit
Prerequisite: Student must have an Individual Education Plan (IEP).
This course will provide instruction in skill areas that will enable the student to pass the Eighth grade Math Standards of Learning test.

PERSONAL LIVING AND FINANCES #3120 (Grades 9, 10, 11, 12)  1 Credit
Prerequisite: Student must have an Individual Education Plan (IEP).
Qualifies as a Math credit for the Modified Standard Diploma
This course includes the following topics: compute and understand taxes; prepare and balance a personal/family budget; manage debt, including retail and credit card debt; examine and compare various savings options; and identify consumer rights and responsibilities.

EDUCATION FOR EMPLOYMENT: INTRODUCTION #9083 (Grades 9, 10, 11, 12)  1 Credit
Prerequisite: Student must have an Individual Education Plan (IEP)
Students learn how to participate in interviews, do career investigations, and develop a budget for their income.

EDUCATION FOR EMPLOYMENT: COOPERATIVE EDUCATION I, II #9030, 9031  1 Credit
(Grades 11, 12) Prerequisite: Student must have an Individual Education Plan (IEP), have completed all required courses to date, completed Education for Employment: Introduction, have appropriate employment, and have own transportation.
This course is a relationship between the community and the school during which the student is involved in structured on-the-job training by skilled professionals. It is a preparation for the student’s smooth transition from school to work. The student must enroll in the course for the whole year to receive credit.