

King George High School



Course Selection 2021-2022

TABLE OF CONTENTS

| | |
|--|----|
| INTRODUCTION | 2 |
| SCHEDULE CHANGES | 2 |
| AVAILABILITY OF CLASSES | 2 |
| GLOSSARY | 3 |
| STANDARD DIPLOMA REQUIREMENTS | 4 |
| ADVANCED DIPLOMA REQUIREMENTS | 5 |
| GRADUATION SEALS | 6 |
| GRADING PRACTICES | 7 |
| VHSL (VIRGINIA HIGH SCHOOL LEAGUE) | 8 |
| COURSE SEQUENCING | 8 |
| SPECIALTY PROGRAMS | 9 |
| CAREER AND TECHNICAL EDUCATION COURSES | 13 |
| ENGLISH COURSES | 30 |
| FINE AND PERFORMING ARTS COURSES | 36 |
| HEALTH AND PHYSICAL EDUCATION COURSES | 43 |
| MATH COURSES | 44 |
| SCIENCE COURSES | 48 |
| SOCIAL STUDIES COURSES | 52 |
| WORLD LANGUAGE COURSES | 57 |
| NON-DISCLOSURE STATEMENT | 60 |

INTRODUCTION

This guide is designed to assist students and their parents/guardians with the course selection process. King George High School has high expectations for our students and we want them to take courses that they find thought provoking, challenging, and interesting.

We encourage our students to enroll in rigorous classes that will prepare them for life beyond high school. The courses that students select now can have an impact on future opportunities. School counselors are knowledgeable about post-secondary requirements and we would like to share information received from some of our local universities.

- College preparatory courses weigh heavily on colleges' and universities' decisions when accepting students.
- Four years of mathematics and science are strongly encouraged. Students should take the highest level of course that they can be successful at.

SCHEDULE CHANGE POLICY

Designing your schedule is a serious decision. Making adjustments to a student's schedule once the school year has begun disrupts the learning process. The high school budget is prepared, staff is hired, and the master schedule is developed based on student course requests. Therefore, we encourage students and their families to work collaboratively to ensure appropriate courses are selected. Students who have devoted time in the course selection process should have a well-planned schedule that does not require changes. We do our best to create a schedule that allows students to be able to take each of the courses that they request. However, this is not always possible due to various scheduling constraints that can occur based on a students' individual requests.

In order to maintain the integrity of our academic programs, schedule changes can only be made if a seat is available and will only be considered under extenuating circumstances, such as:

- If you are in a course you already passed.
- If you failed the course, registered for the course again and were assigned the same teacher.
- If you are in a course that you did not choose on your course selection sheet.
- If you received a course that you have not met the pre-requisite for.

In the event of an extenuating circumstance, students should pick up the appropriate paperwork for a schedule change. It is the student's responsibility to facilitate this request. Late requests or incomplete forms will not be considered. There will be **NO CHANGES** to a student's schedule after the first **THREE DAYS** of classes. After the designated days, the students will receive a W/F (Withdraw/Failing) on their transcripts. After the first interim period, students who withdraw will be assigned an "F" and the grade will be recorded on the transcript and count towards GPA/Class Rank. All withdrawals after the three designated days must be approved by the Principal.

AVAILABILITY OF CLASSES

Courses are available to students who have met the stated prerequisites. Occasionally, a particular course will not be available due to an insufficient number of students desiring the course or a scheduling conflict. If a student selects one of these courses, an alternate class must be chosen. While every effort is made to resolve conflicts, in certain situations, students may need to consider alternative choices.

GLOSSARY

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. 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.

INDUSTRY CERTIFICATION

Students completing the required series of classes to become a Career and Technical Education (CTE) program completer are eligible to take an industry certification test. Industry Certification Tests are available in the following career areas: Computer Information Systems, Design Multimedia Web Technology, Drafting, HVAC, Marketing, Sports Marketing, Sheet Metal, Carpentry, Building Trades, Video/Media Production, Teacher Cadets, CNA, Welding, and Workplace Readiness. The industry certification tests are a state or nationally recognized test that can help a student enter the workforce immediately after high school.

LOCAL VERIFIED CREDIT (LVC)

To be eligible to earn locally awarded verified credits in English, mathematics, science, or history/social science, a student must:

- Pass the high school course,
- Score within a 375-399 scale score range on any administration of the Standards of Learning after taking the test at least twice, and
- Demonstrate achievement in the academic content through an appeal process administered at the local level.

For students entering the ninth grade for the first time prior to the 2018-2019 academic year:

- No more than three locally-awarded verified credits may be awarded.
- Locally-awarded verified credits cannot be applied toward an Advanced Studies diploma.

For students entering the ninth grade for the first time in the 2018-2019 academic year and thereafter:

- No more than one locally-awarded verified credit may be awarded.
- Locally-awarded verified credits can be applied toward either a Standard or an Advanced Studies diploma.
- Credit accommodations for students with disabilities earning a Standard Diploma are not subject to the limit on the number of locally-awarded verified credits that may be earned.

STANDARD CREDITS

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.

VERIFIED CREDITS

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

GRADUATION REQUIREMENTS

Standard Diploma Course Requirements

| Subject | Standard Credits | Verified Credits |
|---|------------------|------------------|
| English | 4 | 2 |
| Mathematics ¹ | 3 | 1 |
| Science ^{2, 5} | 3 | 1 |
| History & Social Sciences ^{3, 5} | 3 | 1 |
| Health and PE (includes required CPR/AED) | 2 | |
| World Language, Fine Arts or CTE ⁶ | 2 | |
| Economics Personal Finance (includes required virtual course) | 1 | |
| Electives ^{4, 7} (includes sequential elective) | 4 | |
| Completion of an AP/Honors class OR a CTE credential | | |
| | 22 | 5 |

1 Courses completed to satisfy this requirement shall include at least two different course selections from among: Algebra I, Geometry, Algebra II, or other mathematics courses as approved by the Board. The Board of Education (Board) shall approve additional courses to satisfy this requirement.

2 Courses completed to satisfy this requirement shall include course selections from at least two different science disciplines: earth sciences, biology, chemistry, or physics; or completion of the sequence of science courses required for the International Baccalaureate Diploma and shall include interdisciplinary courses which incorporate SOL content from multiple academic areas. The Board shall approve courses to satisfy this requirement.

3 Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and either World History/Geography I or World History/Geography II. AP World History satisfies the requirement for World History/Geography II.

4 Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality.

5 Students who complete a career and technical education program sequence and pass an examination or occupational competency assessment in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, or trade or professional association, or acquires a professional license in a career and technical education field from the Commonwealth of Virginia may substitute the certification, competency credential, or license for either a science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the Board as an additional test to verify student achievement.

6 Pursuant to Section 22.1-253.13:4, Code of Virginia, credits earned for this requirement shall include one credit in fine or performing arts or career and technical education.

7 Students shall either complete an Advanced Placement, honors, or International Baccalaureate course, or earn a career and technical education credential approved by the Board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the standard diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, the Armed Services Vocational Aptitude Battery (ASVAB), or the Virginia workplace readiness assessment.

Advanced Studies Diploma

| Subject | Standard Credits | Verified Credits |
|---|------------------|------------------|
| English | 5 | 2 |
| Mathematics ¹ | 4 | 1 |
| Science | 4 | 1 |
| History & Social Sciences ³ | 4 | 1 |
| Health and PE (includes CPR/AED training) | 2 | |
| World Language ⁴ | 3 | |
| Economics Personal Finance (includes virtual course) | 1 | |
| Fine Arts or CTE | 1 | |
| Electives ⁵ (includes sequential elective) | 4 | |
| Completion of an AP/Honors class OR a CTE credential | | |
| | 28 | 5 |

1 Courses completed to satisfy this requirement shall include at least three different course selections from among: Algebra I, Geometry, Algebra II, or other mathematics courses above the level of Algebra II. The Board of Education (Board) shall approve courses to satisfy this requirement.

2 Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth sciences, biology, chemistry, or physics; or completion of the sequence of science courses required for the International Baccalaureate Diploma and shall include interdisciplinary courses which incorporate SOL content from multiple academic areas. The Board shall approve courses to satisfy this requirement.

3 Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and World History/Geography I and World History/Geography II. AP World History satisfies the requirement for World History/Geography II.

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

5 Students shall either complete an Advanced Placement, honors, or International Baccalaureate course, or earn a career and technical education credential approved by the Board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the advanced studies diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, the Armed Services Vocational Aptitude Battery (ASVAB), or the Virginia workplace readiness assessment.

GRADUATION SEALS

Governor's Seal: Awarded to students who complete an Advanced Studies Diploma with an average grade of B or better, and successfully complete college-level coursework that will earn the student at least nine transferable college credits in AP or dual enrollment.

- ☐ Average of B (use overall weighted GPA)
- ☐ 9 transferrable AP or DE classes

Board of Education Seal: The Board of Education Seal is awarded to students who complete the requirements for a Standard Diploma or Advanced Students Diploma with an average grade of "A".

- ☐ Average of A (use overall weighted GPA)

Board of Education Career and Tech Education Seal:

- ☐ Earn a Standard or Advanced Diploma and complete a prescribed sequence of courses in a career and technical education concentration and maintain a B or better average in those courses.
- ☐ OR Pass an exam or an occupational competency assessment in a career and technical education concentration or specialization that confers certification or occupational competency credential from a recognized industry, trade or professional association. W!SE doesn't count since it is a graduation requirement.
- ☐ OR Acquire a professional license in that career and technical education field from the Commonwealth of Virginia.

Board of Education Diploma Seal for Science, Technology, Engineering and Mathematics (STEM)

- ☐ Completed Nurse Aid Course
- ☐ CBGS Students

Board of Education's Advanced Mathematics & Technology Seal (expires after Class of 2021): This seal is awarded to students who earn either an advanced or standard diploma and meet the following.

- ☐ Complete four math credits, including Algebra II with a grade of B or better
- ☐ Earned two verified credits
- ☐ Pass an exam in a career and technical education field that confers certification from a recognized industry or trade or professional association.
- ☐ Or acquire a professional license in a career/technical field from the Commonwealth.
- ☐ Or pass an exam approved by the Board that confers college-level credit in a technology or computer science area.

Board of Ed Excellence In Civics Education: Awarded to students who completed one of the following:

- ☐ ROTC levels 1-4
- ☐ Eagle Scout, Boys State or Girls State
- ☐ Enlisted in the US military at the time of graduation

Board of Ed Seal of Biliteracy: Awarded to students who passed the AP Language Exam with a 3 or higher.

GRADING

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.

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:

| | |
|----------|---|
| Grade 9 | |
| Grade 10 | 5-9 Credits |
| Grade 11 | 10-14 Credits |
| Grade 12 | 15 or more credits and eligible for May graduation* |

*Please Note: Any student with 15 credits who is not eligible to graduate in May as planned will be placed in Grade 11. Any Grade 11 student with 15 credits who is eligible to graduate in May 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.

In accordance with KGCS Policy JQ, students that are eligible to graduate in the summer shall not participate in the graduation ceremony prior to completing all requirements. Eligible students may be given the option of participating in the graduation ceremony the following spring.

INTERIM REPORTS:

All teachers will send Interim Reports at the mid-point of each grading period to inform parents of the student's grade status at that time. Parents are encouraged to continue to monitor class progress through communication with teachers and Parent Portal. It should be understood that a student may be passing at the interim and yet fail that same grading period.

WEIGHTED COURSES

The subjects below are designated as weighted courses:

| ADVANCED/HONOR ADD 0.5 POINTS | DUAL ENROLLMENT/AP ADD 1.0 POINT |
|---|---|
| Honors English 9, Honors English 10, Honors English 11, Honors English 12, Spanish IV, French IV, Calculus, Honors Algebra II, Biology II: Advanced Survey, Honors Government, Honors World History II, Honors US History, Honors Earth Science | DE Advanced Teacher Cadets, DE English 12, AP English 11, AP English 12, AP Music Theory, AP Spanish, AP French, AP Calculus, AP Statistics, AP Biology, AP US Government, AP Human Geography, AP US History, AP European History, DE Western Civilizations, DE Pre-Calculus, AP Physics, AP Computer Science |

All Dual Enrollment classes at Chesapeake Bay Governor's School are weighted. The AP, Dual Enrollment, and Honor classes at Commonwealth Governor's School are also weighted.

VHSL ATHLETICS AND ACTIVITIES ELIGIBILITY

The Virginia High School League (VHSL) established academic guidelines are as followed: The student must be enrolled in and passing at least 3 classes. The student must have passed three subjects for credit during the previous semester. There are additional eligibility requirements outside of academic coursework. Please contact your counselor or athletic director for additional information.

STUDENT-ATHLETE

In order to participate in Division I or Division II athletics in college and receive athletically-based financial aid, students must register with the NCAA Clearinghouse and meet eligibility standards. The Clearinghouse ensures that students are academically qualified to play by reviewing their high school transcripts. Students can register anytime, but the process should be complete before the beginning of senior year. More information is available at <http://www.eligibilitycenter.org/> or on the counseling web page.

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 English courses in a single term.

Foreign Language: Students are advised to take one level of a foreign language per year except for levels four and five. Level four and five languages should be taken 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 December graduation ceremony. All students who complete their graduation requirements at the end of the first semester may return for the May graduation ceremony. Students interested in this option need to meet with their counselor to plan accordingly.

SPECIALITY PROGRAMS

APEX

Credit recovery courses are also available using Apex Learning at KGHS. This option will be considered for some students where they need to recover only one or two course credits which is all that stands between them and graduation from high school. These students will have already satisfied seat time requirements for a course in which they were unsuccessful — and may have learned a significant amount of what was expected of them. These students are seeking an opportunity to accelerate through the required course material to earn those final credits.

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 accomplishment
- More likely to graduate with a double major
- Twice as likely to go into an 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

The following AP courses are typically offered at KGHS. Please speak with your counselor to determine availability and pre-requisites.

AP English Language, AP English Literature, AP Calculus, AP Statistics, AP US History, AP Human Geography, AP European History, AP US Government, AP Biology, AP Physics I, AP Computer Science, AP French, AP Spanish, AP Psychology
 *Additional AP Courses are available at CGS and through Virtual Virginia

THE COMMONWEALTH GOVERNOR'S SCHOOL

Grades 9-12

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. Students take all classes at KGHS.

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 enable 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 <http://cgsva.org>. See your school counselor for application information. Application deadline is usually at the start of the second semester.

| Subject Area | 9 th Grade | 10 th Grade | 11 th Grade | 12 th Grade |
|----------------|--------------------------------|---|---|--|
| English | Honors English 9 | Honors English 10 | AP English Language and Composition* | AP English Literature and Composition* |
| Mathematics | Honors Algebra II | Honors Geometry with Trigonometry - or- Honors Math Analysis with Discrete Topics | Honors Math with Discrete Topics -or- AP Calculus BC* | AP Calculus BC* or AP Statistics* |
| Science | AP Environmental* | AP Biology* | Dual Enrollment Chemistry*# AP Environmental Science | AP Physics * |
| Social Studies | AP European History* | AP U.S. Government* | AP U.S. History* | AP Human Geography* |
| Summer | Optional Daily Summer Sessions | Optional Daily Summer Sessions | Optional Daily Summer Sessions | |

*SOL/EOC Test Administered

#College credit available through dual enrollment

All AP classes have an AP exam at the end of the course

CHESAPEAKE BAY GOVERNOR'S SCHOOL

Grades 10 - 12

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.

| | 10 th Grade | 11 th Grade | 12 th Grade |
|---------------------------|---|--|--|
| Block 1 and 2 CBGS | Algebra II and Trigonometry Biology Foundations in Science | Pre-Calculus Chemistry Environmental Science I | Calculus Physics Environmental Science II |
| Block 3 and 4 KGHS | KGHS Classes | KGHS Classes | KGHS Classes |

Admission Criteria:

- High ability rising 10th, 11th and 12th-grade students.
- Have a “B” average.
- Score 85% or higher composite/total score on standardized achievement and/or ability test OR an 85% or higher on a math or science/quantitative subtest.
- 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 or access one from the KGCS website when available. Application deadline is usually at the start of the second semester. Visit the CBGS website at <https://cbgs.k12.va.us/> Interested students who do not meet the above criteria must provide a letter of explanation with the 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.

EARLY COLLEGE SCHOLARS

The Early College Scholars program allows eligible high school students to earn at least 15 hours of transferable college credit while completing the requirements for an Advanced Studies Diploma. To qualify for the Early College Scholars program, a student must meet the following requirements:

- Have a “B” average or better
- Be pursuing an Advanced Studies Diploma;

- Take and complete college-level course work (i.e. – Advanced Placement, International Baccalaureate, or Dual Enrollment) that will earn at least 15 transferable college credits; and
- Sign an Early College Scholars Agreement (included at the back of the booklet). Students receive a certificate upon completion of the Early College Scholar program at graduation. The Virginia Department of Education pays the cost of Virtual Virginia AP test fees for students who sign an Early College Scholars Agreement. Transferable college-level course work includes DE English 12, AP courses, and Teacher Cadets.

VIRTUAL VIRGINIA

Early College Scholars may enroll in Virtual Virginia Online AP Courses. Virtual Virginia course offerings are only available for those classes that are not taught at KGHS. In some cases of a scheduling conflict or special circumstances of credit accrual, acceleration or enrichment, exceptions can be made to this policy. Students are encouraged to meet with their counselor to discuss their plans for Virtual Virginia courses BEFORE April 1. Students must enroll in these courses by May 15 and attend a regularly scheduled classroom environment at KGHS. A contract is required. Adding and dropping classes will be allowed ONLY during the second and third day of each semester. After the designated days, the students will receive a W/F (Withdraw/Failing) on their transcripts. After the first interim period, students who withdraw will be assigned an “F” and the grade will be recorded on the transcript and count on GPA/Class Rank.

Courses available and semesters offered are subject to change. A list of available courses can be found here: <https://www.virtualvirginia.org/programs/courses/high-school/>

CAREER AND TECHNICAL EDUCATION (CTE)

AGRICULTURE

Agricultural Science is a broad multidisciplinary field of biology that encompasses natural, economic, and social sciences that are used in the practice and understanding of agriculture.

HORTICULTURE SCIENCES

Course Number: 80340

Grades: 9-12

Prerequisite(s): 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. Membership in FFA is encouraged.

GREENHOUSE PLANT PRODUCTION AND MANAGEMENT

Course Number: 8035

Grades: 10-12

Prerequisite(s): Horticulture Sciences

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 I

Course Number: 8036

Grades: 10-12

Prerequisite(s): Horticulture Sciences

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. Leadership development is offered through participation in FFA.

LANDSCAPING II

Course Number: 8039

Grades: 11-12

Prerequisite(s): Landscaping I

In this course, students examine contemporary garden design from a historical perspective. Commercial and high-end residential landscape designs are developed that incorporate a wide range of specialty garden styles. Landscape projects are approached from an entrepreneurial aspect. Business management issues considered include contract estimating for installation and maintenance projects, the role of professional organizations, educational opportunities for landscape professionals, development of a business plan and management of human resources. Applications of technology in the design process and management of a

landscape business are researched. The course emphasizes leadership development through participation in FFA.

AGRICULTURAL EDUCATION PREPARATION

Course Number: 8050

Grades: 11-12

Prerequisite(s): Successful completion of an approved sequence of courses from the Agricultural Education department

Agricultural Preparation includes supervised on-the-job training, record keeping of wages and hours, and reporting in journal style 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 prior to the instruction. Membership in FFA is encouraged.

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.

PRINCIPLES OF BUSINESS AND MARKETING

Course Number: 61150

Grades: 9-12

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

INFORMATION TECHNOLOGY (IT) FUNDAMENTALS

Course Number: 66700

Grades: 9-12

Prerequisite(s): None

This course is for students that wish to continue course work in Computer Information Systems (6612) and Advanced Computer Information Systems (6613). It is a good introductory course in computers and their uses. 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. Membership in FBLA is strongly encouraged.

COMPUTER INFORMATION SYSTEMS

Course Number: 6612

Grades: 9-12

Prerequisite(s): Recommended: Information Technology (IT) Fundamentals, or Make it Your Business

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. Membership in FBLA is strongly encouraged.

ADVANCED COMPUTER INFORMATION SYSTEMS

Course Number: 6613

Grades: 10-12

Prerequisite(s): Computer Information Systems

This course is for students who have successfully completed Computer Information Systems 6612. The successful completion of these two courses 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. Students will be administered the MOS Examination: Microsoft Office 2013/Certiport. Membership in FBLA is strongly encouraged.

DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES

Course Number: 66300

Grades: 9-12

Prerequisite(s): Completed RCC application, passed RCC entrance criteria/exam
Recommended: ITF, or Make it Your Business

Students will develop proficiency in designing and creating desktop-published projects, multimedia presentations/projects, and Web sites, using industry-standard application software. Students apply principles of layout and design in completing projects. Students create portfolios that include a résumé and a variety of desktop-published, multimedia, and Web-site projects produced in the course. This course uses current versions of Adobe InDesign, Photoshop, and Dreamweaver. Membership in FBLA is strongly encouraged. Students may choose to take this class for dual enrollment credits. Students selecting this option must complete the RCC application. (ITD 110/170).

ADVANCED DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES

Course Number: 66310

Grades: 10-12

Prerequisite(s): Design, Multimedia, and Web Technologies
Completed RCC application, passed RCC entrance criteria/exam (for those choosing the dual enrollment option)

The successful completion of these two courses 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. Membership in FBLA is strongly encouraged. Students may choose to take this class for dual enrollment credits through Rappahannock Community College. Students choosing to take this class for Dual Enrollment credit must complete the RCC application and meet their admissions criteria.

ACCOUNTING

Course Number: 6320

Grades: 10-12

Prerequisite(s): Recommended: Good math background and keyboarding skills
Completed RCC application, passed RCC entrance criteria/exam (for those choosing the dual enrollment option)

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. Membership in FBLA is strongly encouraged. Students may choose to take this class for dual enrollment credits through Rappahannock Community College. Students choosing to take this class for Dual Enrollment credit must complete the RCC application and meet their admissions criteria

ADVANCED ACCOUNTING

Course Number: 6321

Grades: 10-12

Prerequisite(s): Accounting
Completed RCC application, passed RCC entrance criteria/exam (for those choosing the dual enrollment option)

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. Students may choose to take this class for dual enrollment credits through Rappahannock Community College. Students choosing to take this class for Dual Enrollment credit must complete the RCC application and meet their admissions criteria.

ECONOMICS AND PERSONAL FINANCE

Course Number: 6120

Grades: 11-12

Prerequisite(s): None

Completed RCC application, passed RCC entrance criteria/exam (for those choosing this option)

Students learn how to navigate the financial decisions they must face and to make informed decisions related to career exploration, budgeting, banking, credit, insurance, spending, taxes, saving, investing, buying/leasing a vehicle, living independently, and inheritance. Development of financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship and career success. In addition to developing personal finance skills, students in the course will also study basic occupational skills and concepts in preparation for entry-level employment in the field of finance. The course incorporates all economics and financial literacy objectives included in the Code of Virginia §22.1-200-03B. Students will evaluate the economic value of postsecondary studies, including the cost of attendance, potential student loan debt, and potential earnings. Note: As enacted by the General Assembly of 2011 and prescribed by the Board of Education, beginning with students who enter the ninth-grade class of 2011-2012 and beyond, students shall earn one (1) standard credit in Economics and Personal Finance in fulfillment of the graduation requirement for the Standard and Advanced Studies diplomas. The one (1) standard credit earned for the Economics and Personal Finance course (6120) shall count only once towards graduation requirements. Students will be administered the W!SE Financial Literacy Certification Test. Students may join FBLA or DECA and membership is strongly encouraged. Students may choose to take this class for dual enrollment credits through Rappahannock Community College. Students choosing to take this class for Dual Enrollment credit must complete the RCC application and meet their admissions criteria

BUSINESS LAW

Course Number: 6131

Grades: 10-12

Prerequisite(s): 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 employment law, and personal law. Students learn through case study and lecture. Written and oral presentations done individually and in groups will be required. FBLA membership is strongly encouraged.

BUSINESS MANAGEMENT

Course Number: 6135

Grades: 10-12

Prerequisite(s): None

Students study basic management concepts and leadership styles as they explore business ownership, planning, operations, marketing, finance, economics, communications, the global marketplace, and human relations. Quality concepts, project management, problem-solving,

and ethical decision making are an integral part of the course. Student leadership skills may be enhanced by participation in school-based or virtual enterprises, job shadowing, internships, and cooperative education. FBLA membership is strongly encouraged.

CYBERSECURITY FUNDAMENTALS

Course Number: 6302
Grades: 9-12
Prerequisite(s): Successful completion of Geometry

This course focuses on the evolving and pervasive technological environment with an emphasis on securing personal, organizational, and national information. Students will investigate the high-skills, high-wage, and in-demand career opportunities in the vast field of cybersecurity. Learn the principles, explore emerging technologies, and examine threats and protective measures.

CYBERSECURITY SOFTWARE OPERATIONS

Course Number: 6304
Grade Level: 10-12
Prerequisite(s): Cybersecurity Fundamentals

The Cybersecurity Software Operations course focuses on aspects of computer support and network administration with an emphasis on project-driven learning and cybersecurity. Students learn networking concepts, create peer-to-peer network systems and client server networks, install and configure network cards and operating systems, and create and implement security plans.

MARKETING

DECA, the co-curricular student organization, is an activity for all marketing students that provides educational and leadership development activities which merge with classroom instructional programs. This organization has local, regional, state, and national leadership development conferences and competitions for its members and teams. It is strongly encouraged for all marketing students to be involved with DECA.

PRINCIPLES OF BUSINESS AND MARKETING

Course Number: 61150
Grades: 9-12
Prerequisite(s): 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 upperclassmen. Students explore the roles of business and marketing in the free enterprise system and the global economy. Basic financial concepts of banking, insurance, credit, inheritance, taxation, and investments are investigated to provide a strong background as students prepare to make sound decisions as consumers, wage earners, and citizens. The real-world impact of technology, effective communication, and interpersonal skills is evident throughout the course. This course also supports career development skills and explores career options. Membership in FBLA and DECA are strongly encouraged.

INTRODUCTION TO MARKETING

Course Number: 8110

Grades: 9-12

Prerequisite(s): Recommended: Principles of Business and Marketing

Students gain basic knowledge about marketing in today's society. They develop skills related to interpersonal communication, self-presentation, economics, marketing, sales, employability, career discovery, and ethical decision-making. This course reinforces Mathematics, Science, English, and History/Social Science Standards of Learning (SOL). Computer/technology applications and DECA activities support this course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events. 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 or in our community. In this course, they will learn business terminology, basic entrepreneurship concepts, and fundamental business operating principles. Membership in DECA is strongly encouraged.

MARKETING

Course Number: 8120

Grades: 10-12

Prerequisite(s): Recommended Principles of Business and Marketing and/or Introduction to Marketing (for those choosing the dual enrollment option)

Students examine activities in marketing and business important for success in marketing employment and postsecondary education. Students will learn how products are developed, branded, and sold to businesses and consumers. Students will analyze industry trends and gain hands-on experience in the marketing of goods, services, and ideas. Topics will include professionalism in the workplace, product planning and positioning, promotion, pricing, selling, economic issues, and the impact of technology on the marketplace. This course reinforces Mathematics, Science, English, and History/Social Science Standards of Learning (SOL). Computer/technology applications and DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events. The cooperative education method (Marketing Co-Op 8120C) is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. Students will be administered the NRF National Professional Certification in Customer Service & Sales Examination. Membership in DECA is strongly encouraged. Students may choose to take this class for dual enrollment credits through Rappahannock Community College. Students choosing to take this class for Dual Enrollment credit must complete the RCC application and meet their admissions criteria

MARKETING CO-OP

Course Number: 8120C

Grades: 11-12

Prerequisite(s): Must be taking Marketing #8120 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 in Marketing #8120. 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 #8120 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 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 credit for Marketing #8120 in order to receive a credit for Marketing Co-Op #8120C. Membership in DECA is strongly encouraged.

ADVANCED MARKETING

Course Number: 8130
Grades: 11-12
Prerequisite(s): Marketing or Sports and Entertainment Marketing
Completed RCC application, passed RCC entrance criteria/exam (for those choosing the dual enrollment option)

Students build on knowledge gained in a prior Marketing course. Students participate in supervisory and management activities focusing on the marketing mix, purchasing, financing, human resources, global marketing, pricing, and emerging technologies. Students will prepare for advancement in marketing careers and postsecondary education. This course reinforces Mathematics, Science, English, and History/Social Science Standards of Learning (SOL). Computer/technology applications and DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events. The cooperative education method (Advanced Marketing Co-Op 8130C) is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. Students will also be administered the Industry Certification from the National Retail Federation in Customer Services & Sales - Level 2 (if passed Level I in a previous class) at the end of the school year and be considered a “CTE Completer” with the completion of this course and its previous sequence. Membership in DECA is strongly encouraged. Students may choose to take this class for dual enrollment credits through Rappahannock Community College. Students choosing to take this class for Dual Enrollment credit must complete the RCC application and meet their admissions criteria

ADVANCED MARKETING CO-OP

Course Number: 8130C
Grades: 11-12
Prerequisite(s): Must be taking Advanced Marketing #8130 in the same year as the Co-Op. 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 #8130. 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 #8130 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 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 credit for Advanced Marketing #8130 in order to receive a credit

for Advanced Marketing Co-Op #8130C. Membership in DECA is strongly encouraged.

SPORTS AND ENTERTAINMENT MARKETING

Course Number: 8175

Grades: 10-12

Prerequisite(s): Recommended: Principles of Business and Marketing and/or Introduction to Marketing

This course helps students develop a thorough understanding of fundamental marketing concepts and theories as they relate to the sports, entertainment, and recreation industries. Students will investigate the components of branding, sponsorships, and endorsements, as well as promotion plans needed for sports, entertainment and recreation events. The course also supports career development skills and explores career options. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course. DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events. The cooperative education method (Marketing Co-Op 8120C) is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. Students will be administered by the National Retail Federation Industry Certification in Customer Service & Sales. Membership in DECA is strongly encouraged.

SPORTS AND ENTERTAINMENT MANAGEMENT

Course Number: 8177

Grades: 11-12

Prerequisite(s): Sports and Entertainment Marketing or Marketing

Students will build on prior knowledge of sports, entertainment, and recreation marketing. This course focuses on the principles of management and planning supported by research, financial, and legal concepts. Students will be able to plan and execute an event, develop a career plan, and establish sports, entertainment, or recreation marketing product/business. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course. Computer/technology applications supporting the course are studied. DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events. The cooperative education method (Advanced Marketing Co-Op 8130C) is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. Students will also take an Industry Certification test at the end of the school year and be considered a “CTE Completer” with the completion of this course and its previous sequence. Students will be administered the National Retail Federation Industry Certification in Customer Service & Sales - Level 2 (if passed Level 1 in a previous class). Membership in DECA is strongly encouraged.

TRADE AND INDUSTRY

Trade and industrial education prepares students for careers in a variety of trades, including carpentry, construction, computer-aided drafting, welding, sheet metal, criminal justice, video/media technology, ROTC, health and medical sciences, and teachers for tomorrow.

DRAFTING I: BASIC TECHNICAL DRAWING

Course Number: 8530

Grades: 10-12

Prerequisite(s): Recommended: 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. This course is recommended for students who are interested in technical fields such as architecture, engineering, and construction. Course content focuses on fundamental drawing concepts and techniques. The course emphasizes fundamental mechanical drawing techniques and concepts. The student is also introduced to Computer Aided Drafting (CAD) using AutoCAD and Inventor 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 and spatial understanding. It is highly recommended that the student have a strong math background. Students should complete Algebra I minimally before enrolling in Drafting I. Membership in SkillsUSA is strongly encouraged. This course is a prerequisite for all other drafting courses.

DRAFTING II: MECHANICAL DRAWING

Course Number: 8531

Grades: 10-12

Prerequisite(s): Drafting I, Completion of Geometry recommended

This course focuses on creating mechanical drawings for manufacturing purposes. New skills learned include developing auxiliary views, fasteners, pictorial drawings – technical illustration, surface developments, working drawings, sectional views, and additive manufacturing (3D printing). Using 2D and 3D computer-aided design (CAD) software is integral to this course. The student will use Computer Aided Drafting (CAD) using AutoCAD and Inventor software and manual drawing techniques. All skills learned in Drafting I will be applied. A strong math background is highly 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 and spatial understanding. Students should complete Geometry minimally before enrolling in Drafting II. All students will be administered the Career Essentials Technical Drafting Assessment at the end of this course. Membership in SkillsUSA is strongly encouraged.

DRAFTING III: ARCHITECTURAL DRAFTING

Course Number: 8532

Grades: 11-12

Prerequisite(s): Drafting II

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 architectural drafting procedures, practices, symbols, building costs, building codes, and zoning regulations. The student will use Revit architectural modeling software and manual drawing techniques for the preparation of detailed working drawings for residential structures. A strong math background is highly recommended. Drafting students are 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 and spatial understanding. Membership in Skills USA is strongly encouraged.

BUILDING TRADES I

Course Number: 8515
Grades: 9-12
Prerequisite(s): Algebra 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. Membership in SkillsUSA is strongly encouraged.

BUILDING TRADES II

Course Number: 8516
Grades: 10-12
Prerequisite(s): 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. Students will be administered the SkillsUSA: Carpentry Examination. Membership in SkillsUSA is strongly encouraged.

CARPENTRY I

Course Number: 8601
Grades: 9-12
Prerequisite(s): None

With an emphasis on safety, students are taught to use hand and power tools, cut stock, apply construction mathematics and interpret blueprints. Students will become proficient in identifying types of residential construction components to form foundations and frame walls, floors, ceilings, roofs, doors, and windows. Membership in Skills USA is strongly encouraged.

CARPENTRY II

Course Number: 8602
Grades: 9-12
Prerequisite(s): Carpentry I

Students are taught the safe use of hand and power tools common to the industry. Students will become proficient in assembling and installing various types of residential construction components that are current with industry standards including rigging and job estimating procedures, firming foundations, framing floors, walls, ceiling, roofs, trusses, roofing materials, stairs, exterior doors and windows, decks, and porches. Successfully passing this course leads to CTE program completion. Students will be administered the Skills USA Carpentry Examination. Membership in Skills USA is strongly encouraged.

SHEET METAL I

Course Number: 8663
Grades: 9-12
Prerequisite(s): None

Students will learn about basic layout and forming of sheet metal by way of classroom discussion, demonstration, and many hands-on activities. They will learn reading a rule, appropriate math, and layout along with proper use of hand tools and stationary machines to facilitate the construction of numerous projects. Safety will always be the foremost concern. Students will be encouraged to participate in co-curricular activities such as Skills USA.

SHEET METAL II

Course Number: 8664
Grades: 9-12
Prerequisite(s): Sheet Metal I

The techniques and projects get more complex and require a higher level of expertise in this advanced Sheet Metal class. Students will study more complicated and detail methods of layout and construct more difficult projects. Safety will always be the foremost concern. Students will be encouraged to participate in co-curricular activities such as Skills USA.

WELDING I

Course Number: 8672
Grades: 9-12
Prerequisite(s): Sheet Metal I

Students will learn basic metal hand fabrication skills to complement the study of arc welding, wire welding, oxy-fuel cutting, and plasma arc cutting by way of many hands-on activities. They will learn the proper and safe use of hand and power tools commonly used for metal fabrication. Safety will always be the foremost concern. Students will be encouraged to participate in co-curricular activities such as Skills USA.

WELDING II

Course Number: 8673
Grades: 9-12
Prerequisite(s): Welding

While students hone their basic skills from Welding I, they will study FCAW, MIG welding, and TIG welding. They will learn advanced techniques and procedures for metal fabrication. Safety will always be the foremost concern. Students will be encouraged to participate in co-curricular activities such as Skills USA. Students will be administered the SkillsUSA: Welding Examination

CONSTRUCTION TECHNOLOGY

Course Number: 8432
Grades: 9-12
Prerequisite(s): None

Students will study many aspects of the construction industry including safety, the use of hand and

power tools, carpentry, electricity, plumbing, welding, and workplace readiness in order to assist them in understanding the many options of career pathways. Armed with a general knowledge, students may choose to pursue anyone, or more, of the career opportunities offered here at KGHS and/or elsewhere. Students will have the opportunity to participate in many hands-on activities, as well as participating in co-curricular clubs such as SKILLS USA.

CRIMINAL JUSTICE I

Course Number: 8702
Grades: 9-11
Prerequisite(s): None

Students are introduced to the principles, techniques, and practices for pursuing careers within the criminal justice services system.

CRIMINAL JUSTICE II

Course Number: 8703
Grades: 10-12
Prerequisite(s): Criminal Justice I

Students learn the legal foundations and processes, the principles, techniques, and practices for exploring careers within the criminal justice system, and the history of terrorism in the United States. Students combine classroom instruction and supervised, practical experience throughout the school year.

VIDEO/MEDIA TECHNOLOGY

Course Number: 8497
Grades: 9-12
Prerequisite(s): None

In this project-based course, students will explore the elements of video production, lighting design, camera operation, script writing, and advertising. Students will develop skills in pre and post-production techniques through the creation of short broadcasts which will be aired throughout the school. Students will learn to operate equipment such as video cameras/recording equipment, microphones, and audio/video editing systems. They will practice skills related to production, direction, and scripting of programs as well as set design and construction. Students will learn control room procedures and responsibilities. FBLA membership is strongly encouraged.

VIDEO/MEDIA TECHNOLOGY II

Course Number: 84970
Grades: 11-12
Prerequisite(s): Video/Media Technology I

In this project-based course, students will explore the elements of video production, lighting design, camera operation, script writing, and advertising. Students will develop skills in pre and post-production techniques through the creation of short broadcasts which will be aired throughout the school. Students will learn to operate equipment such as video cameras/recording equipment, microphones, and audio/video editing systems. They will practice skills related to production,

direction, and scripting of programs as well as set design and construction. Students will learn control room procedures and responsibilities. FBLA membership is strongly encouraged.

TEACHERS FOR TOMORROW (TEACHER CADETS)

Course Number: 90620
Grades: 11-12
Prerequisite(s): Application 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.

ADVANCED TEACHERS FOR TOMORROW

Course Number: 9072
Grades: 11-12
Prerequisite(s): Teachers for Tomorrow

The advanced Teachers Cadet course will continue immersing the students in the career of education. The cadets will work with the Teacher Cadet instructor to determine their long-term learning goals as well as their potential path into the teaching field. They will participate in a semester-long internship/co-op that will provide them hands-on experience in the classroom. Cadets will be required to meet with the teacher cadet instructor for debriefing session and evaluations. Cadets will also complete an extensive portfolio for submission. The internship may be done at either the elementary or middle school level. Students must provide their own transportation.

NJROTC

NAVAL JUNIOR RESERVE OFFICER TRAINING CORPS curriculum overview: The Naval Service Training Command (NSTC) prescribes the courses for naval science for NJROTC. NSTC routinely updates the curriculum to include new texts, instructional materials, and lesson plans. The curriculum is developed and revised by civilian educators and NJROTC instructors. The wide variety of subjects includes the following:

Citizenship: Installation of values of good, responsible citizenship

Physical Fitness: Activities to promote healthy, active lifestyles

Drills, Commands, and Ceremonies: Close order drill and parade ceremonies

Leadership: Ongoing study of leadership, with opportunities to develop leadership abilities

Naval Orientation: Basic introduction to the Navy's customs and traditions

Naval Operations/Organization: Familiarization with national naval strategy and daily military operation

Naval History: History of the United States Navy from the colonial period to the present

Navigation: Introduction to piloting and navigation

Seamanship: Introduction to basic seamanship and ship handling

Nautical Astronomy: Study of astronomy and its use in navigation

Electronics: Introduction to electronics as the basis for communication and weapons systems

Oceanography: Information on the collection of data on the world's ocean systems

NJROTC I

Course Number: 79130

Grades: 9-12

Prerequisite(s): None

Notes: Students taking NJROTC I are not allowed to enroll in NJROTC II during the same school year without instructor approval

The purpose of this course is to introduce students to the meaning of citizenship, the elements of leadership, and the value of scholarship in attaining life goals; promote an awareness of the importance of a healthy lifestyle, including physical fitness, a proper diet, and controlling stress, drug awareness, provide the principles of health and first aid, and an overview of Naval ships and aircraft. These elements are pursued at a fundamental level. The course includes an introduction to the NJROTC program, introduction to leadership, citizenship and the American government, introduction to close order drill, introduction to wellness, fitness and first aid to include diet, exercise and drug awareness, and introduction to the US Navy.

NJROTC II

Course Number: 79160

Grades: 10-12

Prerequisite(s): Successful completion of NJROTC I curriculum

Notes: Students taking NJROTC II are not allowed to enroll in NJROTC III during the same school year without instructor approval

The purpose of this course is to build on the general introduction provided in NJROTC I as well as to further develop the traits of citizenship and leadership. Cadets will be exposed to an increased level of physical fitness as well as close order drill. The course included ongoing instruction into citizenship and leadership; introduction to maritime history, including the American Revolution, Civil War, the rise of the U.S. to world power status, World Wars I and II, the Cole War era and the 1990s and beyond; introduction to nautical sciences to include maritime geography, oceanography, meteorology, astronomy, and physical sciences. Students will be administered the Armed Services Vocational Aptitude Battery.

NJROTC III

Course Number: 79180

Grades: 11-12

Prerequisite(s): Successful completion of NJROTC II curriculum

Notes: Students taking NJROTC III are not allowed to enroll in NJROTC IV during the same school year without instructor approval

The purpose of this course is to broaden the understanding of students in the operative principles of military leadership, the concept and significance of teamwork, the intrinsic value of good order and discipline in the accomplishment of objectives, the understanding and appreciation of global issues and how it affects our national security. Students gain a more in-depth knowledge of naval ships and aircraft and an introduction to marine navigation and seamanship. This course includes instruction in sea power and national security, naval operations and support functions, military law, international law and the sea. It provides an introduction to ship construction and damage control, shipboard organization and watch standing. Basic seamanship, marine navigation, and naval weapons and aircraft. Ongoing instruction in leadership, citizenship, physical fitness, and discipline are provided.

NJROTC IV

Course Number: 79190
Grades: 12
Prerequisite(s): Successful completion of NJROTC III

The purpose of this course is focused primarily on practical leadership techniques and implementation. The intent is to assist seniors in understanding leadership and improving their leadership skills by putting them in positions of leadership, under supervision, then helping them analyze the reasons for their varying degrees of success throughout the year. Seniors are placed in leadership positions within the NJROTC unit. They are assessed on their ability to apply theoretical and applied aspects of leadership, training, and evaluation of performance. Students will become aware of the techniques used to create motivation, develop goals and activities for a workgroup, and the proper ways to set a leadership example. Classroom activities include classroom presentations and practical work with younger cadets.

INTRODUCTION TO HEALTH AND MEDICAL SCIENCES

Course Number: 8302
Grades: 9-12
Prerequisite(s): None

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

NURSE AIDE (CNA)

Course Number: 8360
Grades: 11-12 with priority given to seniors
Prerequisite(s): Students must place into the program by meeting the placement test requirements through Rappahannock Community College. Students may test any evening Monday through Thursday from 4 p.m. to 8:30 p.m. No appointment is needed. There is no cost to test. Maximum of 10 students in the course.

The Nurse Aide program is a college-level course with dual enrollment through Rappahannock Community College. This full-year program is designed to help a student learn basic knowledge and develop skills necessary to become a nurse aide. At the completion of the program, students will be eligible to take the State Board Licensure Exam to become a Certified Nurse Aide. Successful completion of the exam allows the student to be placed on the Virginia Nurse Aide Registry. In the classroom, students will experience a combination of workbook review, lectures, videos, and interactive discussion. Students will be involved in role-playing, skills practice/review, and a multitude of hands-on activities. Students are required to complete 40 hours of clinical work in 8-hour shifts. Students will be responsible for approximately \$150 to purchase scrubs, vaccines, Criminal Background Check, become CPR certified, and name tags. There is an additional cost to

take the State Board Licensure Exam. HOSA membership is strongly encouraged.

MEDICAL TERMINOLOGY

Course Number: 8383

Grades: 10-12

Prerequisite(s): None

Medical Terminology provides an understanding of medical abbreviations and terms. Includes the study of prefixes, suffixes, word stems, and technical terms with emphasis on proper spelling, pronunciation, and usage. Emphasizes more complex skills and techniques in understanding medical terminology. HOSA membership is strongly encouraged.

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. This weight is given to avoid discouraging students from taking more challenging courses simply because they fear to endanger 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.

ENGLISH 9

Course Number: 1130
Grades: 9
Prerequisite(s): English 8

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 9 HONORS

Course Number: 1130H
Grades: 9
Prerequisite(s): English 8, Must pass Grade 8 Reading and Writing SOL

English 9H is a rigorous and challenging course designed for highly motivated students. English 9H addresses 9th grade SOL objectives and prepares students for later Honors, AP, and Dual Enrollment courses through the study of short stories, novels, poetry, drama, mythology, and nonfiction, while also developing research skills. In order to reach 9th-grade benchmarks, multiple written compositions are integrated with the study of literature, grammar, vocabulary, and mechanics. Students taking this course must expect demanding amounts of both reading and writing. This course lays the foundations for future English studies. A main objective of the course is to ensure that students entering the gifted/honors program master the fundamental reading comprehension processes and writing skills that will be used in subsequent courses. Most of the writing will involve interpretation and analysis of the written works studied. Frequently, works chosen for study will focus on a common theme.

ENGLISH 10

Course Number: 1140
Grades: 10
Prerequisite(s): 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 10 HONORS

Course Number: 1140H
Grades: 10
Prerequisite(s): English 9

Honors English 10/Pre-AP English is a very challenging experience for the highly motivated student who reads avidly and commits himself to a deeper, more intensive study of literature. The course includes a Pre-AP textbook, as well as novels, memoirs, graphic novels, drama, short stories, and essays from an international and multicultural body of literature. In-depth analysis of diction, syntax, rhetorical devices, and overall author purpose and style is a daily expectation in the course. In addition, reading homework will be assigned nightly. Formal essays, research papers/projects, vocabulary, oral communication, SAT preparation, and multimodal projects are also included in this course.

ENGLISH 11

Course Number: 1150
Grades: 11
Prerequisite(s): English 10
Note: SOL/EOC Test Administered

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 EOC Reading SOL is given near the end of the course.

ENGLISH 11 HONORS

Course Number: 1150H
Grades: 11
Prerequisite(s): English 10
Note: This is a one-semester, one-credit course. It does not end in an AP course.
SOL/EOC Test Administered

English 11H is a rigorous and challenging course designed for highly motivated students. This course is a survey of American literature covering the span of early America to contemporary times. English 11H addresses 11th grade SOL objectives through the study of short stories, novels, poetry, drama, and nonfiction, while also developing research skills. In order to reach 11th-grade benchmarks, multiple written compositions are integrated with the study of literature, grammar, vocabulary, and mechanics. Students taking this course must expect demanding amounts of both reading and writing. Students should expect to have homework nightly. Reading is an important homework component in English courses, especially in advanced level courses. This course lays the foundations for future English and college studies. In addition, the course prepares students for both the EOC Writing and EOC Reading SOL tests.

ADVANCED PLACEMENT (AP) ENGLISH 11

Course Number: 1196

Grades: 11

Prerequisite(s): English 10

Note: This is a full year two credit course. Students no longer take honors English prior to AP English

AP 11 is a rigorous and challenging course designed for highly motivated students. This one -year course will offer an extensive examination of American literature covering the span of early America to contemporary times. It will provide preparation for both the EOC writing and reading/research SOLs (given in semester one), as well as the SAT and ACT standardized tests. This rigorous course which will engage students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Readings will include novels, short stories, essays, speeches, and poetry. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. AP English Language and Composition course will emphasize the writing process, asking students to compose essays that proceed through several stages or drafts, with revision aided by teacher and peers. Students will take the AP exam in May. This is a college-level class and as such students and parents should expect significant work to be completed outside of class.

ENGLISH 12

Course Number: 1160

Grades: 12

Prerequisite(s): English 11

English 12 introduces the students to British literature and literature of other cultures, recognizing major literary forms and their elements. Using nonfiction texts, students will analyze and synthesize information to solve problems and gain comprehension. In addition, there will be a review of the student's acquired writing and grammar skills as needed. The student will apply knowledge of word origins, derivations, and figurative language to extend vocabulary development in authentic texts. Emphasis will be placed on written and oral communication skills and SAT skills. Students will use technology and understanding of media to create, organize, and display knowledge in ways others can access, view, and use. A research paper/project will be included as part of this course. This course satisfies the requirements necessary to prepare a student for a job or for higher education upon graduation.

ADVANCED PLACEMENT (AP) ENGLISH 12

Course Number: 1195

Grades: 12

Prerequisite(s): English 11

Note: This is a full year two credit class. Students no longer take honors English prior to AP English

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. Students should expect to invest at least an hour per night on their studies. It is not necessary to have taken AP 11 to take this class. Students demonstrating proficiency on the Advanced Placement exam may earn up to 6 credits of college credit nationwide.

DUAL ENROLLMENT ENGLISH 12

Course Number: 1196D

Grades: 12

Prerequisite(s): English 11

Completed RCC application, passed RCC entrance criteria/exam

A weighted class, students will be enrolled in both King George High School and Rappahannock Community College. Dual Enrollment English 12 covers two college courses, ENG 111 and ENG 112; English 111, College Composition I, focuses intensely on both literature and composition as students explore critical thinking and the fundamentals of academic writing. Through the writing process, students: refine topics; develop and support ideas; investigate, evaluate, and incorporate appropriate resources; edit for effective style and usage; and determine appropriate approaches for a variety of contexts, audiences, and purposes. In addition, the student will read a variety of major works in drama, novels, poetry, short story, and non-fiction 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. This course is worth 3 college credits and as such, requires a workload that is equivalent to that of a college level course.

English 112, College Composition II, continues to develop college writing with increased emphasis on critical essays, argumentation, and research, developing these competencies through the examination of a range of texts about the human experience. This course requires students to locate, evaluate, integrate, and document sources and effectively edit for style and usage. Prerequisite: Students must successfully complete English 111 or its equivalent, and must be able to use word processing software. This course is worth 3 college credits and as such, requires a workload that is equivalent to that of a college level course. Successful completion of DE English may result in 6 college credits.

ENGLISH AS A SECOND LANGUAGE (ELL)

Course Number: 5710, 5720, 5730, 5731

Grades: 9-12

Prerequisite(s): 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

Course Number: 1171

Grades: 9-12

Prerequisite(s): None

The course encourages student writing through exposure to various pre-writing strategies, participation in writing exercises, reader-based feedback, responses to published works of varying genres, writing in different literary formats including short story, poetry, drama, and nonfiction, 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 must be prepared to write every day and for extensive lengths of time, and must be interested in improving their writing by accepting and applying constructive criticism through revision. They must also be able to work successfully independently and in small groups.

CREATIVE WRITING II, III, IV

Course Number: 11712, 11713, 11714

Grades: 9-12

Prerequisite(s): Creative Writing I

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, nonfiction, and drama. Receiving constructive criticism from peers is an essential part of this course. A student who chooses this elective should be focused and motivated and able to complete lengthy compositions by set deadlines. They must also be able to work successfully independently and in small groups.

JOURNALISM I

Course Number: 1200

Grades: 9-12

Prerequisite(s): None

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

Course Numbers: 1210, 1211, 1212

Grades: 9-12

Prerequisite(s): Journalism I

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

Course Number: 12150

Grades: 9-10

Prerequisite(s): Students must submit an application prior to registering for the class. Applications are available in School Counseling or from the Photojournalism teacher.

Note: This class works on the yearbook

This course focuses on photography, interviewing, copywriting, 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

Course Numbers: 1216, 1217
Grades: 10-12
Prerequisite(s): Photojournalism I
Note: This class works on the yearbook

This course focuses on photography, interviewing, copywriting, 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.)

PUBLIC SPEAKING

Course Number: 01151
Grades: 9-12
Prerequisite(s): 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.

SCIENCE FICTION AND FANTASY LITERATURE I

Course Number: 01061
Grades: 9-12
Prerequisite(s): None

This elective course explores the ever expanding and popularized genres of Science Fiction and Fantasy. In Sci-Fi/Fantasy 1, students explore Jungian Archetypes, The Hero Cycle, and the psychology of space travel and alien invasion. This first section is a broad introduction to what tools these genres utilize in crafting their stories and characters. Students should be prepared to work creatively and collaboratively while reading, watching, and analyzing various popular examples of works in this category. This course will continue to enforce English SOL skills taught in Language Arts studies and is highly dependent upon project and classwork.

SCIENCE FICTION AND FANTASY LITERATURE II

Course Number: 01062
Grades: 9-12
Prerequisite(s): Science Fiction and Fantasy Literature I

In Sci-Fi/Fantasy 2, students build upon their prior knowledge to study the roots of Fantasy through folklore and its effect on modern lore interpretations. Students then look at humor's role in science fiction and explore the possible futures of the digital world. Students should expect increased expectations for reading, analysis of media connections, and creative projects. This course will continue to enforce English SOL skills taught in Language Arts studies and will seek to deepen student skills/experience with digital storytelling.

FINE AND PERFORMING ARTS

Arts instruction comprises courses in music, visual arts and theater. In each content area, instruction is strongly rooted in the creation, production, and performance of the art form as well as developing student's ability to respond to, and critique, art. Through frequent active participation in the arts, students learn about the elements, principles, and performance practices of the various arts forms. A strong emphasis is placed on teaching processes and skills associated with each of the arts rather than on rote-teaching, through which students gain the confidence to become independent artists, musicians, and actors who can solve authentic and meaningful artistic problems.

ART HISTORY

Course Number: 91700
Grades: 9-12
Prerequisite(s): None

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

Course Number: 9120
Grades: 9-12
Prerequisite(s): 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

Course Number: 9130
Grades: 10-12
Prerequisite(s): 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 II: THREE-DIMENSIONAL ART

Course Number: 9196
Grades: 10-12
Prerequisite(s): Art I

Students will create three-dimensional art works, study a range of created 3D sculptural works within Art History related to the course & VA State Standards. Students will explore various sculpture building materials including, but not limited to wood, wire, clay, paper, plaster and paper mache. Students will experiment with functional, non-functional, representational and abstracted sculptural forms.

ART II: DRAWING/PAINTING

Course Number: 9130

Grades: 10-12

Prerequisite(s): Art I

Art II Drawing/Painting - #9130 Students will develop their skills in both abstract and realistic drawing techniques. A variety of art media such as pencil, pen and ink, pastel, oil pastel, charcoal, colored pencil, and mixed media will be presented. Additionally, this course is designed to introduce students to painting with acrylics, tempera, and watercolor, as well as, work with mixed media. Students will gain knowledge about the materials, techniques and tools used by painters and by drawing. Experimentation is encouraged. The work of famous artists will be examined with an emphasis on contemporary art.

ART III: ADVANCED

Course Number: 9140

Grades: 11-12

Prerequisite(s): Art II, a portfolio of the student's artwork reviewed by high school staff

In Art III, the 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.

ART IV

Course Number: 9145

Grades: 11-12

Prerequisite(s): Art III, a portfolio of the student's artwork reviewed by high school staff

In this course, students will show, through in & out of class practice, writing, art history & application of elements/principles of art & design concepts and informed decision making their own body of artwork.

CRAFT DESIGN I

Course Number: 9160

Grades: 9-12

Prerequisite(s): None

This course is intended as an introductory arts and crafts course. The objectives include the elements and principles of design, art, skill-building, and creative applications. A variety of media and materials will be explored.

CRAFT DESIGN II

Course Number: 9161
Grades: 10-12
Prerequisite(s): 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.

INTERMEDIATE BAND (GRADE 9), ADVANCED BAND (GRADE 10), ARTIST BAND (GRADES 11-12)

Course Number: 9233, 9234, 9244
Grades: 9-12
Prerequisite(s): Incoming 9th graders must get approval from Middle School Director. The Concert Band is the ensemble for 9th and 10th Grade students as a continuation of the Intermediate Skills introduced in Middle School Band.

The curriculum will include continued development of the Intermediate instrumental proficiency through scale studies, ensemble etudes, music theory and history, and Grade IV/V Band literature. By the end of the course, students will have met the requirements for the Intermediate Level of proficiency as set forth in the Music Standards of Learning by the Virginia Department of Education. All performances are required of all members during the school year. This class meets both semesters, sharing its time with PE, and includes the 9th Grade Health Component and 10th Grade Drivers Ed Course Requirement.

WIND ENSEMBLE

Course Number: 92330
Grades: 11-12
Prerequisite(s): Must have completed at least one year of Concert Band. Must be a Junior or Senior. Select Sophomores allowed only per Director approval

The Wind Ensemble is the premier instrumental ensemble at KGHS, and is a rigorous and challenging course designed for highly motivated students. This course is designed for wind and percussion students who have mastered the Intermediate level of playing after completing at least one year of high school Concert Band. Based on skill level and instrumentation, some advanced 10th Graders will be invited to enroll in this class per Director's approval. The curriculum will include continued development of an advanced instrumental proficiency through: the study of scale studies, ensemble etudes, music theory and history, and Grade V/VI Band literature. By the end of the course, students will have met some or all of the requirements of the Advanced Level of proficiency as set forth in the music Standards of Learning by the Virginia Department of Education. This is a second semester class, but all performances are required of all members during the school year.

MUSIC THEORY

Course Number: 9225
Grades: 10-12
Prerequisite(s): None

Take your musical knowledge deeper than just performance. Learn how to read all types of music and understand how notes go together to form chords, phrases, and song forms. This course follows the Virginia Music Standards of Learning for High School Music Theory. The course integrates aspects of melody, harmony, rhythm, form, analysis, and composition. Emphasis is placed on reading and writing musical notation, developing aural skills such as listening, taking dictation, and sight-singing. This course is a prerequisite for AP Music Theory and may assist your preparation for college music courses.

AP MUSIC THEORY

Course Number: 92260
Grades: 10-12
Prerequisite(s): Music Theory

AP Music Theory is an introductory college-level music theory course. The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight-singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. The development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.

JAZZ ENSEMBLE

Course Number: 92500
Grades: 9-12
Prerequisite(s): Must be able to read sheet music at an intermediate to advanced level.
Teacher recommendation

The Jazz Ensemble class is designed for instrumental students seeking to develop skills in jazz performance. The curriculum will include developing an advanced instrumental proficiency through: techniques for scale studies, jazz articulations, improvisation, and 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 their current level of proficiency) as set forth in the Music Standards of Learning by the Virginia Department of Education. All performances are required by all members during the first and second semester.

WOODWIND ENSEMBLE

Course Number: 9251

Grades: 9-12

Prerequisite(s): Must be enrolled in either Concert Band or Wind Ensemble, and have gone through at least one year of band at the Middle or High School level.

The Woodwind Ensemble is designed for intermediate to advanced woodwind students. Students will study and perform a wide variety of music written for woodwind instruments and ensembles. The curriculum will include continued development of an advanced instrument proficiency through: the study of rigorous music literature, scale studies, 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 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 first semester.

BRASS ENSEMBLE

Course Number: 9253

Grades: 9-12

Prerequisite(s): Must be enrolled in either Concert Band or Wind Ensemble, and have gone through at least one year of band at the Middle or High School level.

The Brass Ensemble is designed for intermediate to advanced brass students. Students will study and perform a wide variety of music written for brass instruments and ensembles. The curriculum will include continued development of an advanced instrument proficiency through: the study of rigorous music literature, scale studies, 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 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 first semester.

PIANO

Course Number: 9255

Grades: 9-12

Prerequisite(s): None

This course is designed as a beginning piano class for students with little or no music reading skills. Students will learn musical skills such as rhythm, harmony, and melody. Students will learn how to read musical notation and will become acquainted with basic piano techniques such as playing scales and intervals, playing single-line melodies with chord accompaniment, and playing simple popular and classical songs. This class is limited to 16 students.

WOMEN'S CHORUS

Course Number: 92850

Grades: 9-12

Prerequisite(s): Middle school or high school chorus class

The Intermediate Level standards are designed for students who have achieved competency in beginning vocal/choral skills. Emphasis is placed on the continuing development of vocal production techniques and ensemble participation. More advanced sight singing will be studied. Students are required to purchase or rent a costume and are required to perform outside of school hours for a grade. Required performance dates will be listed in the syllabus.

SELECT CHORUS

Course Number: 9289

Grades: 9-12

Prerequisite(s): Audition Required

Advanced Level female students will continue to acquire proficiency in ensemble singing and will begin to develop competency in individual performance. Singing with refined expressive qualities, the student will perform vocal/choral selections and sight-reading material of increased levels of difficulty. Students will demonstrate expanded abilities in performance, creativity, and analytical investigation and will gain experiential knowledge of leadership and evaluative skills in group and individual settings. Students are required to purchase or rent a costume and are required to perform outside of school hours for a grade. Required performance dates will be listed in syllabus.

MIXED CHORUS

Course Number: 9289M

Grades: 9-12

Prerequisite(s): None

This chorus class is designed for students experiencing their first vocal/choral class. This course introduces fundamental vocal development, traditional notation, and ensemble singing in two or more parts. This course also emphasizes the development of sight singing skills and healthy vocal practices. Students are required to purchase or rent a costume and are required to perform outside of school hours for a grade. Required performance dates will be listed in the syllabus.

VOCAL ENSEMBLE – SHOW CHOIR

Course Number: 92800

Grades: 9-12

Prerequisite(s): Audition Required

This course is designed for advanced female and male choral music students. The course will emphasize vocal development and musical movement (choreography). Students will study and perform a wide variety of music, with numerous performances scheduled throughout the year. Students are required to purchase or rent a costume and are required to perform outside of school hours for a grade. Required performance dates will be listed in the syllabus.

THEATRE I

Course Number: 14100

Grades: 9-12

Prerequisite(s): None

This course introduces students to dramatic and theatrical expression through such areas as performance, playwriting, 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

Course Number: 14200

Grades: 10-12

Prerequisite(s): Theatre I

This course continues and strengthens the skills developed in Theatre I. Emphasis will be placed on performance through the 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.

ADVANCED THEATRE III

Course Number: 14300

Grades: 10-12

Prerequisite(s): Theatre II

This course continues and strengthens the skills developed in Theatre I. Emphasis will be placed on performance through the 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.

ADVANCED THEATRE IV

Course Number: 14400

Grades: 10-12

Prerequisite(s): Theatre III

This course continues and strengthens the skills developed in Theatre I. Emphasis will be placed on performance through the 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.

HEALTH AND PHYSICAL EDUCATION

Health and physical education programs help students adopt healthy, active lifestyles.

HEALTH AND PHYSICAL EDUCATION 9

Course Number: 7300

Grades: 9

Prerequisite(s): 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 PE course is designed to provide lifetime physical fitness activities as well as skills and strategies for team and individual sports. Only one PE course may be taken during the school year. The grade is based on 60% PE and 40% Health Education.

HEALTH, PHYSICAL EDUCATION & DRIVER EDUCATION 10

Course Number: 7405

Grades: 10

Prerequisite(s): 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 9th grade with emphasis placed on more advanced fitness activities and more advanced skill levels for sports. Only one PE course may be taken each 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. The grade is based on 60% Physical Education and 40% Driver's Education.

PHYSICAL EDUCATION 11

Course Number: 7510

Grades: 11

Prerequisite(s): Physical Education 10

This course is designed for athletes to enhance personal development through participation in strength and conditioning training. 3 days focused on strength training, and 2 days focused on conditioning. 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.

PHYSICAL EDUCATION 12

Course Number: 7610

Grades: 12

Prerequisite(s): Physical Education 10 and 11

This course is designed for athletes to enhance personal development through participation in strength and conditioning. 3 days focused on strength training, and 2 days focused on conditioning. Emphasis

is placed on developing physical efficiency and fitness, advanced physical skills and game strategies, desirable health habits, attitudes, and practices, and social and emotional health.

MATHEMATICS

Mathematics includes the study of topics such as quantity (number theory), structure (algebra), space (geometry) and change (mathematical analysis). All course offerings are dependent upon teacher availability, enrollment, space and scheduling.

ALGEBRA I PART I (2 COURSE SEQUENCE)

Course Number: 3131

Grades: 9

Prerequisite(s): 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

Course Number: 3132

Grades: 9

Prerequisite(s): SOL/EOC test administered
Algebra I Part I

This course includes work with polynomials, factoring, inequalities and their graphs, systems of equations, and quadratic equations.

ALGEBRA I

Course Number: 3130

Grades: 10-11

Prerequisite(s): SOL/EOC test administered
None

This course includes work with real numbers, variables, graphing, basic properties of real numbers, solving inequalities, functions, relations, systems of equations, and factoring. Transferring concrete mathematical knowledge to more abstract algebraic generalizations and introducing students to variables, algebraic expressions, equations, functions, inequalities, and their multiple representations.

GEOMETRY

Course Number: 3143

Grades: 9-12

Prerequisite(s): Algebra I
SOL/EOC Course

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, in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, trigonometry, and analytic geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument. Students will be required to use different technological tools and manipulatives to discover and explain much of the course content.

ALGEBRA, FUNCTIONS, AND DATA ANALYSIS

Course Number: 3134

Grades: 9-12

Prerequisite(s): Algebra I. Course must be taken before Algebra II. Counts as Math credit for the standard diploma only.

Through the investigation of mathematical models and interpretation/analysis of data from real life situations, students will strengthen the conceptual understandings of mathematics and further develop connections between algebra and statistics. The infusion of technology in the course will assist in modeling and investigating functions and data analysis.

ALGEBRA II

Course Number: 3135

Grades: 9-12

Prerequisite(s): Algebra I and Geometry

Note: SOL/EOC test administered

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

Course Number: 3154

Grades: 11-12

Prerequisite(s): Algebra II

This course will provide students an interdisciplinary liberal arts curriculum 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

Course Number: 3190

Grades: 10-12

Prerequisite(s): 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.

ADVANCED PLACEMENT (AP) STATISTICS

Course Number: 3192
Grades: 10-12
Prerequisite(s): Probability and Statistics.

The purpose of this challenging Advanced Placement course in statistics is to introduce students to major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to themes in exploring data, sampling and experimentation, anticipating patterns and statistical inference.

MATHEMATICAL ANALYSIS

Course Number: 3162
Grades: 10-12
Prerequisite(s): Algebra II

The content of Mathematical Analysis will serve as appropriate preparation for a calculus course. It is an in-depth study of functions and their characteristics. The study will include, but not be limited to, polynomial, rational, radical, exponential, and piecewise-defined functions. A thorough treatment of trigonometry is provided through the study of trigonometric definitions, applications, graphing, and solving trigonometric equations. Emphasis is placed on using connections between right triangle ratios, trigonometric functions, and circular functions. Graphing utilities will be used.

CALCULUS

Course Number: 3178
Grades: 11-12
Prerequisite(s): Math Analysis

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

Course Number: 3177
Grades: 11-12
Prerequisite(s): Calculus

AP Calculus is a rigorous, challenging course designed for highly motivated students. This course completes the calculus topics required for the AB Advanced Placement Calculus test. A main objective of the course is that students will be successful on the test.

DUAL ENROLLMENT PRE-CALCULUS I AND II

Course Number: 3161
Grades: 12
Prerequisite(s): Algebra II and RCC Entrance Requirements

Pre-Calculus (MTH 163-164) is a college course that is taught at the high school and will present the concepts and methods necessary for the study of calculus, including algebra, analytic geometry, and the study of algebraic, exponential, logarithmic, and trigonometric dual enrollment pre-calculus will be comparable to math analysis. Credits will transfer to all Virginia Community Colleges and most colleges and universities. Tuition will be required for this class and the fee will be based on RCC's fee.

COMPUTER SCIENCE I

Course Number: 3184
Grades: 10-12
Prerequisite(s): Geometry

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

Course Number: 3186
Grades: 11-12
Prerequisite(s): Computer Science I

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.

ADVANCED PLACEMENT (AP) COMPUTER SCIENCE

Course Number: 3185
Grades: 11-12
Prerequisite(s): Algebra II and Computer Science II

AP Computer Science A is a programming class. The course emphasizes object-oriented programming methodology, especially problem solving and algorithm development, plus an overview of data structures and abstraction. The AP Computer Science A exam tests students on their knowledge of Java.

SCIENCE

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

ENVIRONMENTAL SCIENCE

Course Number: 4250

Grades: 9

Prerequisite(s): None

Environmental Science is the study of interrelationships between human activities and the environment. Environmental Science is an unusual academic discipline in that it requires scientific knowledge about the natural world, as well as an understanding about ways in which humans interact with the natural world. During the semester, we will cover the following topics: Ecosystems, Ecology Agriculture, Population Studies, Geology, Pollution, Atmospheric Processes and Sources of Energy just to name a few. The class will consist of labs, research projects, tests, and independent classwork.

EARTH SCIENCE I

Course Number: 4210

Grades: 10

Prerequisite(s): SOL/EOC test administered None

Earth Science I covers 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

Course Number: 4310

Grades: 9-10

Prerequisite(s): SOL/EOC test
None

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. Beginning 2018-2019, freshmen who plan to take advanced lab sciences in high school for college readiness may take Biology without first taking Earth Science.

CHEMISTRY

Course Number: 4410

Grades: 10-12

Prerequisite(s): SOL/EOC test
Biology and Algebra II or currently enrolled in Algebra II

This is an introductory laboratory course that surveys the major topics in inorganic chemistry, with an introduction to organic and nuclear chemistry as well as biochemistry. Designed for the college-bound student, it is a mathematically oriented course with emphasis on problem-solving and experimental techniques. Topics include atomic structure, the periodic table, chemical

formulas and bonding, stoichiometry, chemical reactions, and acids and bases.

EARTH SCIENCE II: ASTRONOMY

Course Number: 4260
Grades: 11-12
Prerequisite(s): 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

Course Number: 4240
Grades: 11-12
Prerequisite(s): 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.

ANATOMY AND PHYSIOLOGY

Course Number: 4330
Grades: 11-12
Prerequisite(s): Biology I; Chemistry or currently enrolled in Chemistry

Anatomy and Physiology is a course dealing largely with the anatomy, physiology, ecology, biochemistry, and biophysics of higher mammalian life. Extensive laboratory experiences in the 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 SCIENCE

Course Number: 46102
Grades: 11-12
Prerequisite(s): Biology I and Chemistry

The purpose of the course is to study the sciences of geology, biology, chemistry, and physics in relation to bodies of salt water. Studies will include the geology of ocean basins, 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.

BIOLOGY II: GENETICS

Course Number: 4350
Grades: 11-12
Prerequisite(s): 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.

BIOLOGY II: ADVANCED SURVEY OF BIOLOGY TOPICS

Course Number: 4320
Grades: 11-12
Prerequisite(s): Biology; Chemistry or taking Chemistry concurrently

The purpose of this course is to prepare students to take AP Biology. In Pre-AP, students conduct field and laboratory investigation, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. Students study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in the living organisms; living systems; homeostasis; ecosystems; and plants and the environment. After completion of this course, students will continue in AP Biology.

ADVANCED PLACEMENT (AP) BIOLOGY

Course Number: 4370
Grades: 11-12
Prerequisite(s): Biology I; Chemistry; and Biology II: Advanced Survey of Biology Topics. Genetics and/or Anatomy strongly recommended.

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 expected to take the Advanced Placement Biology exam in May.)

INTRODUCTORY PHYSICS

Course Number: 4510
Grades: 11-12
Prerequisite(s): Chemistry. Juniors must have completed Math Analysis prior to taking Physics. Seniors must have completed or been taking Math Analysis concurrently.

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 technological society.

ADVANCED PLACEMENT (AP) PHYSICS I

Course Number: 4570

Grades: 11-12

Prerequisite(s): Chemistry and Physics

AP Physics teaches fundamental principles of physics. The class covers mechanics, thermodynamics, wave phenomena, electricity and magnetism, and selected topics in modern physics.

SOCIAL STUDIES

Social Studies is the integrated study of the social sciences and humanities to promote civic competence. All course offerings are dependent upon teacher availability, enrollment, space and scheduling.

WORLD HISTORY II (FROM 1500 A.D.)

Course Number: 22160
Grades: 9-12
Prerequisite(s): SOL/EOC test administered

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 the present. The study of literature, science, drama, philosophy, and art will include the Renaissance, Age of Exploration, Age Imperialism, 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.

HONORS WORLD HISTORY II

Course Number: 2216H
Grades: 9
Prerequisite(s): World History I

Honors World History II is a rigorous course designed for highly motivated individuals. The course is designed to address the SOL objectives while preparing the students for future AP and Honors courses. 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 the present. The study of literature, science, drama, philosophy, and art will include the Renaissance, Age of Exploration, Age Imperialism, 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. Emphasis will be placed on critical thinking skills, thematic writing, and interpretations of original document and historiography.

WORLD GEOGRAPHY

Course Number: 2210
Grades: 9-12
Prerequisite(s): None
SOL/EOC Test Administered

This course studies the physical, economic, and cultural characteristics of the world's regions while emphasizing global interdependency, characteristics of industrial and developing counties, population trends, use of resources, and human interaction with the environment.

UNITED STATES AND VIRGINIA HISTORY

Course Number: 2360
Grades: 11
Prerequisite(s): SOL/EOC Test Administered
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 the United States and Virginia history.

HONORS UNITED STATES AND VIRGINIA HISTORY

Course Number: 2360H
Grades: 11
Prerequisite(s): SOL/EOC Test Administered
World History II/World Geography

Honors U.S. History is a rigorous course designed for highly motivated individuals. The course is designed to address the SOL objectives while preparing the students for future AP and Honors courses. 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 the United States and Virginia history.

UNITED STATES AND VIRGINIA GOVERNMENT

Course Number: 2440
Grades: 12
Prerequisite(s): United States and Virginia History

The United States and Virginia Government examines the Constitution; the structure and operation of the 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.

HONORS GOVERNMENT

Course Number: 2440H
Grades: 12
Prerequisite(s): United States and Virginia History

This advanced class is designed for college-bound seniors. Students should expect an 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 GOVERNMENT

Course Number: 2445
Grades: 12
Prerequisite(s): United States and Virginia History

This rigorous, college-level course will give students an analytical perspective on government and politics in the U.S. This course includes both the study of general concepts used to interpret U.S. government and politics and analysis of specific examples. Students will become acquainted with a

variety of theoretical perspectives and explanations for various behaviors and outcomes.

ADVANCED PLACEMENT (AP) UNITED STATES HISTORY

Course Number: 2319

Grades: 11-12

Prerequisite(s): Successful completion of World History II/Geography
Completion of US History Honors is strongly encouraged

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.

DUAL ENROLLMENT HISTORY OF WORLD CIVILIZATION I AND II

Course Number: 04063

Grades: 10,11, 12

Prerequisite(s): Student must meet RCC entrance requirements, must have passed World History II

Surveys Asian, African, Latin American, and European civilizations from the ancient period to the present. Part I and II.

DUAL ENROLLMENT UNITED STATES HISTORY

Course Number: 2356

Grades: 11, 12

Prerequisite(s): Student must meet RCC entrance requirements, must have passed 11th grade history

Surveys United States history from its beginning to the present.

INTERNATIONAL RELATIONS

Course Number: 2810

Grades: 11-12

Prerequisite(s): None

An introduction to the contemporary analysis of international relations. Students will learn major theories of international relations and apply them to understand international situations and issues in the modern world. Emphases are on clearly comprehending the relationship between international conflicts and cooperation and on recognizing the shift from “nationalism” to “internationalization” to “globalization”. Included is the study the influences of IGO, NGO, MNC’s on international political, social, and military motivations. Extensive use of internet information,

articles from professional journals and newspapers will enable students to update information about imminent international issues today and to think about them critically.

SOCIOLOGY

Course Number: 2500
Grades: 11-12
Prerequisite(s): 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 lifestyles, 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

Course Number: 2900
Grades: 10-12
Prerequisite(s): None

This 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. A research paper will be assigned.

ADVANCED PLACEMENT (AP) PSYCHOLOGY

Course Number: 2902
Grades: 11-12
Prerequisite(s): Recommended: Successful completion of Biology or taking it concurrently with AP Psychology

AP Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

MILITARY HISTORY

Course Number: 2996
Grades: 10-12
Prerequisite(s): World History I and/or World History II

This course examines the development of military strategy 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 including leadership, geography, strategy and tactics, and

technology.

AP EUROPEAN HISTORY

Course Number: 2399

Grades: 10-12

Prerequisite(s): None

Tracing the narrative of European history from 1450 to the present, students will study the intellectual, cultural, political, diplomatic, social, and economic history of each era. Analysis and interpretation of primary sources, maps, works of arts and political cartoons will be central to this course. Strong reading and writing skills are essential to success.

AP HUMAN GEOGRAPHY

Course Number: 2212

Grades: 9-12

Prerequisite(s): Recommended: Successful completion of World History II or World Geography

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine the socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

WORLD LANGUAGE

The study of world languages builds communication skills, provides exposure to the richness of cultural variety; broadens career opportunities, enriches global travel and prepares students for postsecondary education.

FRENCH I

Course Number: 5110
Grades: 9-12
Prerequisite(s): None

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

Course Number: 5120
Grades: 9-12
Prerequisite(s): 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 a heavy emphasis on the culture of French-speaking areas.

FRENCH III

Course Number: 5130
Grades: 9-12
Prerequisite(s): 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

Course Number: 5140
Grades: 10-12
Prerequisite(s): French III

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. 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 (AP) FRENCH V

Course Number: 5150
Grades: 11-12
Prerequisite(s): French IV

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.

SPANISH I

Course Number: 5510
Grades: 9-12
Prerequisite(s): None

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

Course Number: 5520
Grades: 9-12
Prerequisite(s): 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

Course Number: 5530
Grades: 9-12
Prerequisite(s): 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.

SPANISH IV

Course Number: 5540
Grades: 10-12
Prerequisite(s): Spanish III

Introduces understanding, listening, speaking, reading, and writing skills and emphasizes basic Spanish sentence structure. This course will include the weekly practice of all language acquisition skills. Daily assignments are to be expected. Part I of II.

SPANISH V

Course Number: 5550
Grades: 11-12
Prerequisite(s): Spanish IV

Introduces understanding, listening, speaking, reading, and writing skills and emphasizes more complex Spanish sentence structure. This course will include the weekly practice of all language acquisition skills. Daily assignments are to be expected. Part II of II. This course is offered 2nd semester.

STATEMENT OF NON-DISCRIMINATION

King George County Public Schools does not discriminate on the basis of race, color, ethnicity, age, religion, national origin, sexual orientation, gender identity, sex, marital status, or disability. All students have equal access to the courses and programs contained within.

The following person(s) has been designated to handle inquiries regarding the non-discrimination policies:

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