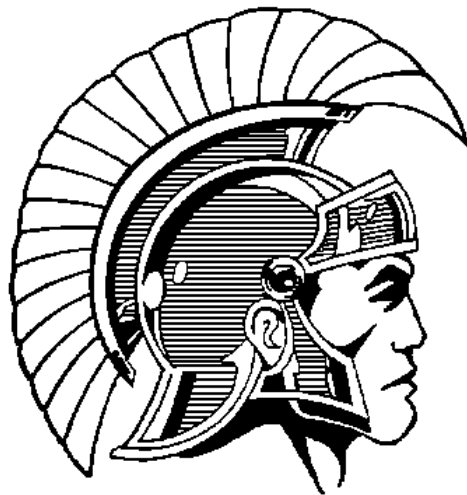


New Kent High School

Program of Study



2018-2019

Parents and Students,

This book contains information that will enable you and your student to plan his or her high school career according to your goals and desires for future education or a career. The book also explains high school graduation requirements for the Commonwealth of Virginia. It presents a wide range of information needed to select courses that will prepare you for college and other post high school opportunities. Planning your school program of studies and your career should go hand in hand. A worksheet is provided for you to align courses and future career plans accordingly. To ensure that the student has the best counsel in future planning, we encourage the family to participate in course selection.

In selecting the courses for next year, think about the future. What are you planning to do: continue your education, work after high school, or join a branch of the armed services? To make realistic choices it is important to consider your aptitudes, interests, strengths, personality, values, and weaknesses. With the help of family, teachers, and counselors, choose courses that best meet your needs. Counselors meet with every student at least once in high school to develop an Academic & Career Plan that incorporates using this same planning worksheet.

Please feel free to contact the high school administrators at 804-966-9671 or one of the school counselors at 804-966-9675 if you have questions about the courses offered at New Kent High School.

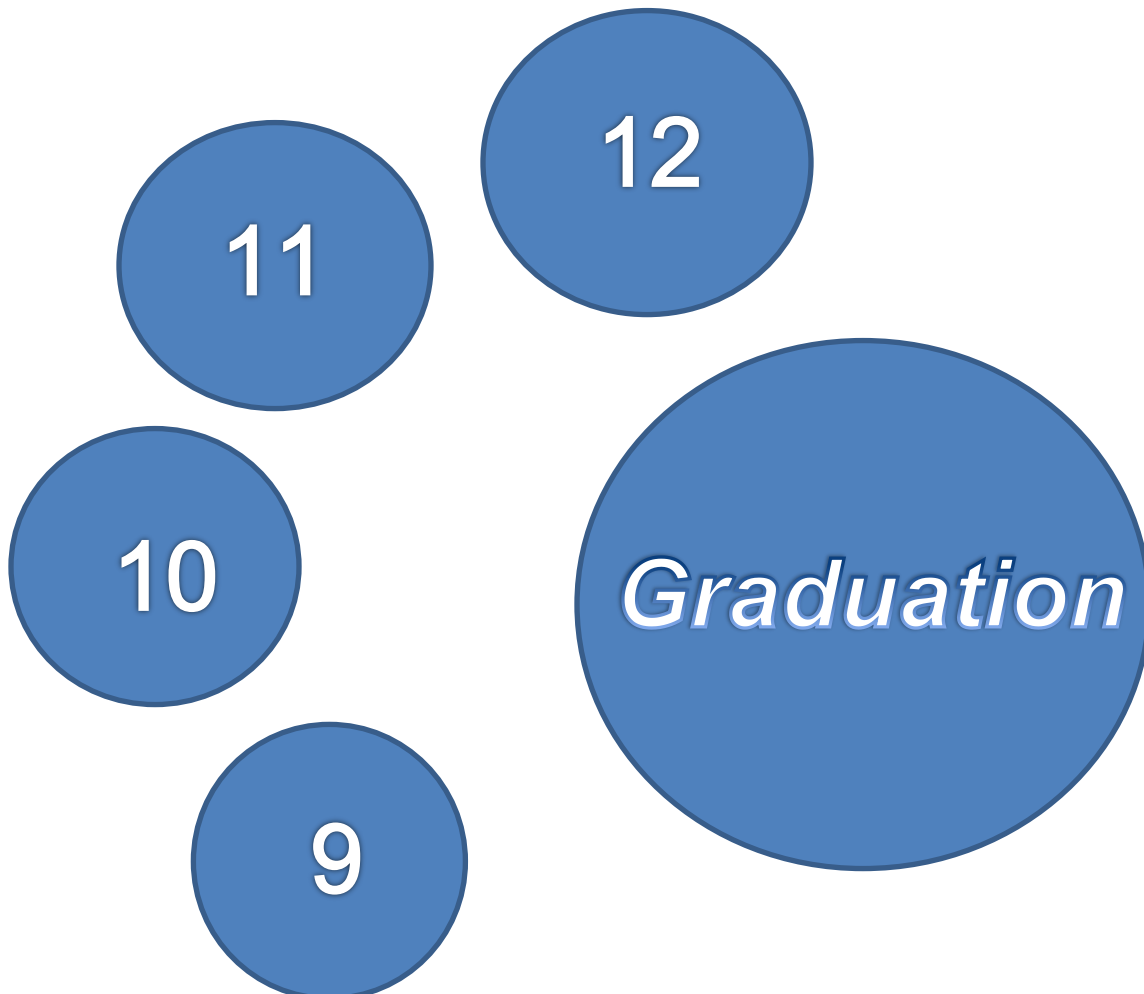
ADMINISTRATION:

Mr. Christopher Valdrighi	Principal
Mrs. Julie Ellis	Asst. Principal
Ms. Wendi James	Asst. Principal

SCHOOL COUNELORS:

Ms. Liz Ahlfield	Last Names A-F
Mrs. Kirstin Russow	Last Names G-N
Mrs. Pam Nixon	Last Names O-Z

Mrs. Bonnie Minor, School Counseling Secretary/Registrar



Four Year Planning Worksheet

Name _____ Diploma Type: Advanced Studies _____
Standard _____

Educational plans following high school _____

Career plans following high school _____

Graduation Year _____

All students will register course preferences in PowerSchool in December going into computer labs by homerooms to schedule with a counselor. Rising freshmen will register on paper and submit scheduling forms to counselors; counselors will enter the course preferences. Many say that you cannot begin without the end in mind. When planning your high school courses, you must do the same.

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English	<i>Eng. 9 or Eng. 9 Honors</i>	<i>Eng. 10 or Eng. 10 Honors</i>	<i>Eng. 11, Eng. 11 Honors, or DE Eng. 11</i>	<i>Eng. 12, Eng. 12 Honors, or DE Eng. 12</i>
Mathematics	**	**	**	‡‡
Lab Science	<i>Earth Science, Earth Science Honors</i>	<i>Biology, Biology Honors, Chemistry (select students)</i>	**	‡‡
Social Studies	<i>World History I or World History I Honors</i>	<i>World Geography, World Geography Honors, or World History II, World History II Honors, or AP Human Geography (History is required in 10th for the Advanced Diploma)</i>	<i>Virginia/US History, Virginia/US History Honors, or AP Virginia/US History</i>	<i>Virginia/US Government, Virginia/US Government Honors, or AP Virginia/US Government</i>
Health & PE	<i>Hlth. & PE 9</i>	<i>Hlth. & PE10</i>		
Elective or World Language	‡‡	‡‡	‡‡	
Elective			Economics & Personal Finance	Economics & Personal Finance (if not taken in 11 th)
Elective				
		Standard Diploma Also Requires: *An online/virtual course component (met through Econ. & Per. Finance) *A student must pass an industry credential test	Advanced Diploma Also Requires: *An online/virtual component (met through Econ. & Per. Finance)	

STANDARD DIPLOMA
Course and Verified Credit Requirements

Course Requirements by Discipline Area	Standard Units of Credit Required
English	4
Mathematics ¹	3
Laboratory Science ²	3
History and Social Sciences ³	3
Health and Physical Education	2
World Language, Fine Arts or Career and Technical Education ^{5,6}	2
Economics and Personal Finance	1
Electives ⁴	4
One Virtual Course – Can be non-credit bearing	
Earn a board-approved career and technical education credential	
Total	22

¹ Courses completed to satisfy this requirement shall include at least two different course selections from among: Algebra I, Geometry, Algebra Functions and Data Analysis, Algebra II, or other mathematics courses above the level of Algebra II.

² Courses completed to satisfy this requirement shall include course selections from at least two different science disciplines: Earth Science, Biology, Chemistry, or Physics.

³ Courses completed to satisfy this requirement shall include World History I or World Geography, U.S. and Virginia History, U.S. and Virginia Government.

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 (i) the student selected verified credit and (ii) either a science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the Board of Education as an additional test to verify student achievement. 6 Credits earned for this requirement shall include one credit in fine or performing arts or career and technical education.

VERIFIED CREDITS

Verified credits are earned by passing a class AND the corresponding SOL End of Course test. Here are the minimum *required* verified credits per diploma option.

Verified Credits Requirements by Core Subject	Standard Diploma
English	2
Mathematics	1
Science	1
History and Social Science	1
Student Selected Tests	1
Totals	6

ADVANCED DIPLOMA
Course and Verified Credit Requirement

Course Requirements by Discipline Area	Standard Units of Credit Required
English	4
Mathematics ¹	4
Laboratory Science ²	4
History and Social Sciences ³	4
World Language ⁴	3
Health and Physical Education	2
Fine Arts or Career and Technical Education	1
Economics and Personal Finance	1
Electives	3
One Virtual Course – Can be non-credit bearing	
Total	26

¹ Courses completed to satisfy this requirement shall include at least three different course selections from among: Algebra I, Geometry, Algebra Functions and Data Analysis, Algebra II, or other mathematics courses above the level of Algebra II.

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. (Chemistry is a requirement to earn the Adv. Studies)

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

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

A student may utilize additional tests for earning verified credit in computer science, technology, career or technical education, economics, or other areas as prescribed by the board in 8 VAC 20-131-110.

VERIFIED CREDITS

Verified credits are earned by passing a class AND the corresponding SOL End of Course test. Here are the minimum *required* verified credits per diploma option.

Verified Credits Requirements by Core Subject	Advanced Studies Diploma
English	2
Mathematics	2
Science	2
History and Social Science	2
Student Selected Tests	1
Totals	9

GENERAL INFORMATION

Grade Point Average (GPA) & Grading Scale

GPA is determined based on a 4.0 scale using all courses attempted. Effective '14-'15: NKHS adopted a 10 pt. grading scale that includes plusses and minuses. The grading scale can be located in the high school agenda.

Weighted Courses

All high school credit Honors-level courses will receive a 0.5 weight. Advanced Placement and Dual Enrollment will receive a 1.0 weight. These weights, effective '14-'15, will not be retroactively applied. Other Honors weighted courses will include: Spanish IV, Spanish V, Spanish VI, French IV, and French V. Effective for '16-'17 forward, Earth Science Honors and Biology Honors are included in the .5 weighting for Honors classes.

Advanced Placement Courses (AP)

Students are able to request an AP class, but it is recommended that the student earn a B or better in the previous course. The following information applies to all AP courses taught at New Kent High School:

- All students taking AP classes must complete required summer work prior to the start of class.
- All students taking an AP class are required to take the AP exam. The cost of the exam is \$93.00. Any student NOT taking the AP exam will NOT receive additional weighting.
- Dropping an Advanced Placement class is prohibited past the regular drop date. To appeal this, a student must be failing the course and present their case before a panel made up of AP teachers, an administrator, and a school counselor, who will make a final decision. In the unlikely event a withdrawal is granted, the student will receive an F on their transcript and the F will be calculated into their GPA. If the student withdraws from an AP class, he/she may not enter a "new" class until the next semester.

New Kent High School Athletics/VHSL Activities' Eligibility

To be eligible: All students must have earned three credits the previous semester and must currently be enrolled in not less than three (3) semester long credit bearing classes or two (2) semester long classes and one (1) year-long course. *All students must have at least a 1.7 grade point average from the previous semester or a 1.7 cumulative grade point average to be eligible.

Early College Scholar Program

Early College Scholar students must have at least a "B" average, be pursuing an Advanced Studies Diploma, and be on course to complete a minimum of 15 college credit hours by graduation. Students must complete an intent form at the start of the school year in order to be considered an ECS to earn a certificate mailed the summer after their graduation.

Students Who Transfer Into New Kent High School:

Students transferring in from another school or institution will need to meet with a school counselor to discuss graduation requirements and their GPA. Only weighted courses from the previous school with an equivalent at NKHS will be weighted. These courses will be weighted according to the NKHS weight.

Sequenced Classes:

Students may request only one English, Math, Science, Health/PE, and Social Studies class when completing registration. However, all students, with the exception of rising 9th graders, may select a course level of General, Honors, Advanced Placement, and/or Dual Enrollment. Requests for additional courses in core areas may be made as an alternate selection. Such requests will be granted on a space available basis with preference given to seniors, juniors, and sophomores, in that order. This does not apply to elective courses or to students who need to make up a required course in which they have failed. Students may request two courses in world language. Every effort will be made to schedule languages in consecutive semesters.

Drop/Add:

No course changes will be considered after the first four class meetings of each semester. After the fourth class meeting any class that is dropped will result in a grade of F that will become a part of the student's transcript. The dropping of a class, without penalty, after the fourth class meeting will require approval of the student's parent, teacher, school counselor, and principal.

Please note: Students and parents are given multiple opportunities to participate in course selection during the scheduling process. Because there are multiple opportunities for parents and students to adjust course selections during the scheduling process, course changes during the four

class meeting add/drop period will only be considered for special circumstances.

Repeating a Class for Strength:

Students may re-enroll in a class, core subjects and/or world language, to strengthen a grade if they have parental permission to retake the course and if there is space available. Following the completion of both courses, the first attempt grade will be reflected on the transcript. The second attempt grade and credit will be reflected on the transcript. The grades from the two courses will be averaged to determine the grade that will impact the student's GPA. Students may only repeat one course per semester. See a school counselor to take advantage of this opportunity. Virginia High School League rules regarding "audits" apply for those students who are athletes.

In any high school credit-bearing course taken in middle school, a parent may request that the grade be omitted from the student's transcript and may request that the student not earn high school credit for the course. Such requests shall be made in writing and shall include a parent or guardian's signature. So that the student may be appropriately scheduled, such requests must be submitted to the school counseling department no later than August 1, immediately following the school year in which the course was taken.

Repeating a Class Due to Failure:

Students who fail courses first semester will be allowed to repeat courses necessary to meet graduation requirements the next semester on a space available basis. "Space available" is defined as a class with fewer than 22 students registered. An F earned in any course taken at the high school will remain on the transcript and will be calculated in the student's cumulative GPA.

Requirements for Grade Level Promotion

Grade 9 to 10: 6 credits

Grade 10 to 11: 12 credits

Grade 11 to 12: 17 credits **

** And have all required subjects completed by end of junior year and be taking English 12.

NCAA Eligibility Information

Students interested in participating in collegiate athletics on the Division I or II level MUST register on the NCAA Clearinghouse at eligibilitycenter.org. Register no later than during your junior year. Students intending to participate on the Division III

level do NOT need to register with the NCAA Clearinghouse. There is a registration fee imposed by NCAA. Eligibility hinges on completing a minimum of 16 approved courses and earning a minimum GPA and SAT or ACT score, listed as a sliding scale. Students are invited to meet with their counselor to discuss qualifications further. However, the most important step is to print off the **Guide for the College-Bound Student-Athlete**. It can be found on the School Counseling website at the bottom on the left side. This will outline steps to take, checklists, sliding scales and more! **Classes with an asterisk in this Program of Study are those included as approved classes for the NCAA in determining your 16 approved classes**

COURSE OFFERINGS

Course offerings for the 2018-2019 school year have been designed to meet the needs of New Kent County students in planning their program of study. Most courses will be offered as semester courses. However, there will be some courses, AP courses for instance, that will be offered throughout the year meeting every other day. A/B courses will be determined based on need. Not all courses listed here will be in the final schedule. Final selection of scheduled courses is contingent upon sufficient enrollment, funding, and teacher availability. All courses are available without regard to race, sex, color, national origin, or handicapping condition. Please note that elective courses require a fee. These fees are subject to change.

*NCAA approved course for eligibility

LANGUAGE ARTS

Please Note:

● **To qualify for Honors/AP all students satisfy the following.**

- 1.) **To enroll in an AP or Honors course, it is recommended that you earn a B or better in the previous course.**
- 2.) **Complete summer reading assignments prior to the first class meeting.**

● **Rising 9th graders will be placed into core levels based on MAP scores, teacher recommendations, grades, and SOL's.**

*ENGLISH 9 (1130)-GENERAL

1 Credit

Prerequisite: Promotion to grade 9

Grade Level: 9 Required Course

The foundational course for high school English develops analytical reading, writing, speaking, and critical thinking. Thematic units in fiction and non-fiction reading, persuasive writing, and 21st century research skills form the basis for the class. Literary studies include a wide range of world literature from Greek mythology and Shakespeare to modern novels. Non-fiction readings include biography, essay, and informational selections. An introduction to 21st century research and technology supports development of college and career readiness. Summer reading is required.

*ENGLISH 9 HONORS (1130H)

1 Credit

Prerequisite: Must be placed into the course based on criteria outlined above

Grade Level: 9 Required Course

Course studies include developing critical reading, thinking and writing skills leading to the AP courses and possible college credits in 11th and 12th grades. Thematic units in fiction and non-fiction reading, persuasive and expository writing, 21st century research and technology skills prepare students for the demands of college level work. Requirements include independent reading, writing and presentation of a research project. Students who are intent upon excelling in high school in preparation for the rigors of college should select this course. Completion of summer assignment is required.

*ENGLISH 10 (1140)-GENERAL

1 Credit

Prerequisite: English 9

Grade Level: 10 Required Course

The second course for high school English continues to develop analytical reading, writing, speaking, and critical thinking. Thematic units in fiction and non-fiction reading, persuasive and expository writing, and 21st century research skills form the basis for the class. Literary studies include a wide range of world literature, Shakespeare, and modern novels. Non-fiction readings include biography, essay, and informational selections. Continued study of 21st century research and technology skills support development of college and career readiness. Summer reading is required.

*ENGLISH 10 (1140)-HONORS

1 Credit

Prerequisite: Recommended that you earn a B or better in the previous course.

Grade Level: 10 Required Course

Course studies include developing critical reading, thinking and writing skills leading to the DE courses and possible college credits in 11th and 12th grades. Fiction and non-fiction reading, persuasive and expository writing, 21st century research and technology skills prepare students for the demands of college level work. Requirements include independent reading, writing and presentation of a

research project. Students who are intent upon excelling in high school in preparation for the rigors of college should select this course. Completion of summer assignment is required.

***ENGLISH 11 (1150)-GENERAL**

1 Credit

Prerequisite: English 10

Grade Level: 11 Required Course

American literature provides the focus for this course of study. Short stories, novels, plays, poetry, biography, and political writings provide a broad view of the development of themes in American cultures. Students write persuasively throughout the semester as final preparation for the mandatory End of Course Standards of Learning Writing test, read independently in final preparation for the mandatory End of Course Standards of Learning Reading test, and complete a research paper applying 21st century research and technology skills. Summer reading is required.

***ENGLISH 11 (1150)-HONORS**

1 Credit

Prerequisite: Recommended that you earn a B or better in the previous course.

Grade Level: 11 Required Course

Course studies include developing critical reading, thinking and writing skills through the great themes in American literature. Fiction and non-fiction reading, persuasive and expository writing, 21st century research and technology skills prepare students for the demands of college level work. Requirements include independent reading, writing, and completion of a research paper. Students who are intent upon excelling in high school in preparation for the rigors of college should select this course. Completion of summer assignment is required.

***D.E. ENGLISH 11 (1150DE)**

1 Credit

Prerequisite: Recommended that you earn a B or better in the previous course. Meet prerequisite requirements for Rappahannock Community College.

Grade Level: 11

Fee: \$15 per college credit (\$90)

Dual Enrollment English 11 actually is comprised of two courses: English 111 and English 112. English 111 introduces students to 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. Writing activities will focus on the rhetorical methods for writing, frequently called the “modes of discourse.”

English 112 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 and focusing on writing about literature. The course requires students to locate, evaluate, integrate, and document sources and effectively edit for style and usage. Students will earn 6 Dual Enrollment credits upon successful completion of DE English 11 and one high school credit.

***ENGLISH 12 (1160)-GENERAL**

1 Credit

Prerequisite: English 11

Grade Level: 12 Required Course

The purpose of the English 12 course is to develop skills in the areas of written and oral communication, critical thinking, abstract and analytical reasoning, as well as part of a study of the historical and literary culture of the British people. An investigation of library resources culminates in the preparation of a research paper. Summer reading is required.

***ENGLISH 12 (1160)-HONORS**

1 Credit

Prerequisite: Recommended that you earn a B or better in the previous course.

Grade Level: 12 Required Course

Designed for college bound students, the English 12 honors class will use major themes in British and World literature to develop close reading, critical thinking, oral and written reasoning. Rigorous work with a variety of research projects will provide strong preparation for post-secondary study. Completion of summer assignment is required.

***D.E. ENGLISH 12 (1160DE)**

1 Credit

Prerequisite: Recommended that you earn a B or better in the previous course. Meet prerequisite requirements for Rappahannock Community College.

Grade Level: 12

Fee: \$15 per college credit (\$90)

Dual Enrollment English 12 actually is comprised of two courses: English 252 and English 210. English 252 examines major works of world literature. Involves critical reading and writing. English 210 Helps students refine skills in writing non-fiction prose. Guides development of individual voice and style. Introduces procedures for publication. Students will earn 6 Dual Enrollment credits upon successful completion of DE English 12 and one high school credit.

CREATIVE WRITING (1171)

1 Credit

Prerequisite: Successful completion of English 9 and English 10 or equivalent.

Grade Level: 11-12

Elective Course

Creative writing will study a variety of types of writing (examples: short story, poetry, essay, journals) and student production of these types. Modern Poetry will be a study (analysis/interpretation/application) of poetry from 1950's to the present.

COLLEGE SEMINAR/CAPSTONE COURSE (1176)

1 Credit

Prerequisite: College Bound Students

Grade Level: 11 -12

Elective Course

Who do you think you are? Who are you now? Why do you like particular books? How do the books influence you? These questions, among others, will be addressed in this new class. Students who enjoy reading and are planning to attend college should consider this course. Designed to emphasize student choice and selection in reading, writing, and research, this elective English class offers students the opportunity to continue developing critical thinking, reading, and writing skills for college. The work in the class is highly individualized and developed around students' personal interests. In addition, students will work on SAT/ACT writing and vocabulary development to help improve scores on these required admissions tests.

MULTICULTURAL LITERATURE (1515)

1 Credit

Prerequisite: English 9

Grade Level: 10 -12

Elective Course

The multicultural literature course will expose students to the complex and diverse cultural and social realities of contemporary American society. Students will explore multicultural perspectives through various poems, films, music, short stories, non-fictional accounts, and plays. Selections include works from African-American, Asian-American, Latin American and Native-American writers. The selections include the works of authors who are often neglected in the traditional canon. Each medium used in class will be geared towards a common theme: the creation, acceptance, and pursuit of one's identity. For this course, students will be writing persuasively and creatively, hereby encouraging students to partake in expressing their experiences growing up in America with literary professionalism.

***JOURNALISM I (1200B)**

1 Credit

Prerequisite: Successful completion of English 9 and selection by the yearbook adviser upon completion of yearbook application and submission of teacher recommendations.

Grade Level: 10-12

Elective Course

This course will serve as a learning workshop for students interested in working on the yearbook staff and may provide students with insights into college and career choices. Out-of-class work will be required.

JOURNALISM II (1210B)

1 Credit

Prerequisite: Successful completion of English 10 and Journalism I and selection by the yearbook adviser upon completion of yearbook application.

Grade Level: 11-12

Elective Course

Students will report, write, edit, and produce the yearbook in class and participate in out-of-class photography, interview, and design sessions. Staff members will research and write all yearbook content and will use digital photography, Studio Works, Photoshop, and other available technology for design and production.

JOURNALISM III

1 Credit

Prerequisite: Successful completion of English 11 and Journalism I and II and selection by the yearbook adviser upon completion of yearbook application.

Grades 12

Elective Course

Students who have successfully completed Journalism I and II are eligible to serve as editors and staff members upon enrollment in Journalism III. Journalism III provides students advanced opportunities for learning editorial leadership, developing a personal sense of professionalism, and becoming productive members of the yearbook staff. Senior editors will plan, report, write, edit, and produce the school yearbook in class and during out-of-class photography, interview, and design sessions. Editors will design yearbook pages and assist junior members of the staff. Editors will use digital photography, StudioWorks, Photoshop, and other available technology for design and production.

***PUBLIC SPEAKING (1399B)**

1 Credit – Prerequisite: None
Grade Level: 9-12 Elective Course

This course explores all types of public speaking as well as ways to improve presentations. The primary focus is to acclimate students to presenting comfortably in front of a group. In addition to researching, preparing, and presenting speeches, students will observe and critique each other and many famous speakers and speeches. Students should possess average to above level writing skills. Skills learned in this course will serve students well in college and career endeavors. Students who elect the public speaking class will have the opportunity to announce for Trojan TV!

SOCIAL STUDIES

To enroll in an AP or Honors course, it is recommended that you earn a B or better in the previous course.

•Rising 9th graders will be placed into core levels based on MAP scores, teacher recommendations, grades, and SOL's.

***WORLD HISTORY I TO 1000 A.D. (2215)-GENERAL OR HONORS**

1 Credit
Grade Level: 9 Required Course

Rising 9th graders will be placed into core levels based on MAP scores, teacher recommendation, grades, and SOL's.

Students study the world from ancient times to 1500. The course highlights the relationship between the geography and history of Europe, Africa, Asia, and Latin America. Students refine and

expand critical thinking skills, practice decision making and problem solving, and formulate questions to guide research.

***WORLD HISTORY II: 1000 A.D. TO PRESENT (2216)-GENERAL OR HONORS**

1 Credit
Prerequisite: World History I
Grade Level: 10

This course will focus on the development of history in the Western world, the influences made by non-Western cultures and the effects of both on our modern world today. Close attention will be paid to the types of art, religion, architecture, and literature as well as geographical, political, and social developments of Eastern and Western civilizations.

***WORLD GEOGRAPHY (2210)-GENERAL OR HONORS**

1 Credit
Prerequisite: World History I
Grade Level: 10

World Geography encompasses the study of the world. Each continent will be studied physically, politically, economically, and culturally. Students learn to work individually as well as in small and large groups. Social studies skills, such as the interpretation and use of maps and graphic materials are emphasized as a means to discover and make use of information.

***A.P. HUMAN GEOGRAPHY (2212)** Grade Levels: 10-12

1 credit – Prerequisite: Recommended that you earn a B or better in the previous course.

*This course will substitute for the Advanced Studies mandatory history requirement for 10th grade or could also be an elective course. However, a qualifying score of a 3 on the AP exam will meet the SOL requirement for World Geography as a substitute test.

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

***VIRGINIA AND U.S. HISTORY (2360)-GENERAL OR HONORS**

1 Credit

Prerequisite: World History I or II

Grade Level: 11 Required Course

This course includes a chronological study of major events, documents, issues, and personalities from the period of western exploration to the present day. Emphasis will be placed on Virginia's historical role in the development of the major social, political, economic, diplomatic and cultural trends that define our nation. Social studies skills will be incorporated throughout the course.

***A.P. U.S. HISTORY (2319)**

1 Credit

Prerequisite: Recommended that you earn a B or better in the previous course.

Grade Level:11

This course is designed by the College Board to be taught at a collegiate level to secondary school students. The historical content addressed in this class will be in-depth and will require a high degree of academic motivation and discipline. Through lecture and discussion, use of media, academic journals, and book supplements, and the incorporation of student creative and logical thought processes, students will be prepared to take the A.P. exam by the end of the course.

***VIRGINIA AND U.S. GOVERNMENT (2440)-GENERAL OR HONORS**

1 Credit

Prerequisite: United States/Virginia History

Grade Level: 12 Required Course

This course examines the types of political and economic systems around the world with a special emphasis on the basic structure, powers/duties, and decision-making processes of each of the three branches of the U.S. government on the federal, state, and local levels. Particular consideration is placed on reading and interpreting primary and secondary resources and conducting political research.

***A.P. GOVERNMENT AND POLITICS: UNITED STATES (2445)**

1 credit

Prerequisite: Recommended that you earn a B or better in the previous course.

Grade Level: 12

The United States Government and Politics course will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U. S. government and politics and analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. The students will learn important facts, concepts, and theories pertaining to U. S. government and politics, understand typical patterns of political processes and behavior and their consequences, and be able to analyze and interpret basic data relevant to U.S. government and politics. Students will be prepared for and expected to take the A.P. exam by the end of the course.

***UNITED STATES MILITARY HISTORY (2996)**

1 credit

Prerequisite: World History I or World History II

Grade Level: 11-12 Elective Course

The objective of this course is to provide an overview of American military history beginning with mid-eighteenth century colonial wars and collimating with modern, twenty-first century conflicts. The course will explore how United States diplomatic, political, economic and domestic policies were shaped and modified by over two hundred years of sporadic armed conflict. Major topics covered will be: The French and Indian War, The American Revolutionary War, The War of 1812, The Mexican American War, The American Civil War, The Spanish American War, World War I, World War II, The Korean War, The Vietnam War, The Persian Gulf War (Desert Storm) and The War on Terror.

***AMERICAN CIVIL WAR HISTORY (2997)**

1 Credit

Prerequisite: World History I or World History II

Grade Level: 11-12 Elective Course

The objective of this course is to provide an overview of the historical circumstances associated with the American Civil War. The scope of the course will be from the 1861 bombardment of Fort Sumter to the 1865 Assassination of President Lincoln. A variety of instructional methods will be used to expose the student to: major battles, personalities, combat tactics, grand strategies, new technologies and social trends.

***A.P. PSYCHOLOGY (2902AP)**

1 Credit

Prerequisite: Recommended that you earn a B or better in Biology.

Grade Level: 11-12 Elective Course

The AP Psychology course 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. Students complete the A.P. Psychology exam and may earn college credits, dependent upon their scores.

MATHEMATICS

***Please see back of Program of Studies for a flow chart of the recommended math sequence and prerequisites for courses.**

•Rising 9th graders will be placed into core levels based on MAP scores and SOL's.

***ALGEBRA I (3130)**

1 Credit

Prerequisite: Recommendation from prior math teacher will determine whether student takes Algebra 1 or Algebra 1 Part 1.

Algebra I includes a comprehensive study of solving, graphing, and writing linear equations, quadratic equations, powers and exponents, polynomials and factoring, connections to algebra, and proportions.

***ALGEBRA I PART 1 (3131)**

1 Credit

Prerequisite: Recommendation from prior math teacher will determine whether student takes Algebra 1 or Algebra 1 Part 1.

Algebra I Part 1 is the first of a two semester course that covers the same content as a one semester course of Algebra I. Topics will include solving, graphing and writing linear equations, direct and inverse variation, solving inequalities and systems of equations and inequalities. Graphing calculators will be used to aid in graphing functions and interpreting data. Students will also be required to use algebra as a tool to represent and solve practical problems.

***ALGEBRA I PART 2 (3132)**

1 Credit

Prerequisite: Algebra I Part 1

Algebra I Part 2 is the second half of the two semester course covering the same content as a one semester Algebra I course. Students will be expected to continue using the skills taught in Algebra I Part 1 as well as learn new topics including exponents, polynomials, factoring, and quadratic equations. Graphing calculators will be used to aid in graphing functions and interpreting data. Students will also be required to use algebra as a tool to represent and solve practical problems.

***GEOMETRY (3143)**

1 Credit

Prerequisite: Algebra I with a C or better; otherwise Geometry in parts is recommended.

Geometry is a semester long course that continues to develop critical reasoning and problem-solving skills established in Algebra 1. It covers concepts of Euclidean geometry including angles, parallel and perpendicular lines, triangles, congruent and similar figures, polygons, circles, transformations, and three-dimensional figures. The curriculum also highlights right triangle trigonometry.

***GEOMETRY PART 1 (3144)**

1 Credit

Prerequisite: Completion of Algebra I

Geometry Part 1 is the first of a two semester course that covers the same content as a one semester full course in Geometry. This is a course where students will develop thinking and reasoning skills. Plane geometry will be the focus of the first year.

***GEOMETRY PART 2 (3145)**

1 Credit

Prerequisite: Completion of Geometry Part 1

Geometry Part 2 is the second half of the two semester course. The skills developed in Part 1 will be expanded and strengthened. Both plane and solid geometry and trigonometry will be studied in this course.

***ALGEBRA, FUNCTIONS, AND DATA ANALYSIS (3134)**

1 Credit

Prerequisite: Geometry

Algebra, Functions, and Data Analysis is a course intended to help students bridge the concepts learned in Algebra I and Geometry to Algebra II via problem solving, modeling, and real world application. Within the context of this course, students are expected to explore and gain a deeper understanding of algebra, mathematical modeling, function behavior (linear, quadratic, exponential, and logarithmic), probability, and statistics. Students will not rely solely on a textbook in this course. The more “hands on” approach will encourage collaborative learning, incorporation of technology such as graphing calculators and /or computer software to visualize and investigate modeling, functions and data analysis, as well as, applicable scenarios that a student may encounter regarding financial and statistical problem solving. The student will be able to take an active role in problem-solving and reasoning, communicating mathematical concepts, working collaboratively, and visually representing ideas using a computer and/or calculator.

***ALGEBRA II (3135)**

1 Credit

Prerequisite: Geometry

Algebra II is a class which expands many of the topics explored in Algebra I as well as introducing many new topics, designed to prepare students for upcoming math classes. Topics in Algebra II include matrices, cones, graphing (linear, inequalities, parabolas), quadratic equations, and solving systems of equations. Emphasis is placed on “hands on” type problems, related to real world problems and uses of algebra. Emphasis is also placed on using the graphing calculators to help solve problems and expand the students’ understanding of concepts.

***DISCRETE MATH (3154)**

1 Credit

Prerequisite: Algebra II

This course may be described as the study of mathematical properties of sets and systems that have a countable (discrete) number of elements. The main focus is problem solving in a discrete setting. As students solve problems they will analyze and determine whether or not a solution exists, investigate how many solutions exists, and focus on

finding the best solution.

***MATH ANALYSIS/PRE-CALCULUS (3162)**

1 Credit

Prerequisite: Algebra II with a C or better and teacher recommendation

Pre-Calculus is a semester course to lay the groundwork for further study of mathematics at the college level. All standard Pre-calculus topics are presented. The context of this course may serve as appropriate preparation for a calculus course. Extensive use of the TI-83 will be used to enhance the understanding of realistic applications through mathematical modeling.

DUAL ENROLLMENT QUANTITATIVE REASONING (02999)

1 Credit

Prerequisite: Algebra II with a C or better, teacher recommendation, meet prerequisite requirements for Rappahannock Community College.

The DE Quantitative Reasoning is a course in Applied Statistics Pathway as a prerequisite to DE Statistics. This course presents topics in proportional reasoning, modeling, financial literacy, and validity studies (logic and set theory). It focuses on the process of taking real-world situation, identifying the mathematical foundation needed to address the problem, solving the problem, and applying what is learned to the original situation. Three (3) college credits may be earned from successful completion of this course. Fee: \$15 per college credit (\$45)

***DUAL ENROLLMENT PRE-CALCULUS (3232DE)**

1 Credit

Prerequisite: Alg. II completion with a C or better, teacher recommendation, meet prerequisite requirements for Rappahannock Community College.

Fee: \$15 per college credit (\$75)

This course presents college algebra, trigonometry, and algebraic, exponential, and logarithmic functions. Five (5) college credits may be earned from successful completion of this course.

***DUAL ENROLLMENT CALCULUS (3230DE)**

1 Credit

Prerequisite: D.E. Pre-Calculus completion with a C or better

Fee: \$15 per college credit (\$60)

This course presents analytic geometry and the calculus of algebraic and transcendental functions including the study of limits, derivatives, differentials, and introduction to integration along with their applications. Four (4) college credits may be earned from successful completion of this course.

***DUAL ENROLLMENT STATISTICS (3231DE)**

1 Credit

Prerequisite: DE Quantitative Reasoning or DE Pre-Calculus with a C or better, teacher recommendation

Fee: \$15 per college credit (\$45)

This course presents an overview of statistics, including descriptive statistics, elementary probability, probability distributions, estimation, hypothesis testing, and correlation and regression. Three (3) college credits may be earned from successful completion of this course.

SCIENCE

To enroll in an AP or Honors course, it is recommended that you earn a B or better in the previous course. • Rising 9th graders will be placed into core levels based on MAP scores, teacher recommendations, grades, and SOL's.

***EARTH SCIENCE (4210)-GENERAL OR HONORS**

1 Credit

Grade Level: 9 Required Course

Rising 9th graders will be placed into core levels based on MAP scores, teacher recommendation, grades, and SOL's.

****Accelerated 8th graders may be eligible to take Biology in 9th grade. Students will be placed according to MAP scores, teacher recommendations, grades, and SOL's.***

Earth Science is the study of the earth, its workings, its formation and its topographical structures. Emphasis is also given to the formation and patterns of the Solar System. Man's responsibility in keeping the earth clean and pollution free is also reviewed. Earth Science is divided into sections concerning Earth history, weathering and erosion, geology,

meteorology, oceanography and astronomy. The purpose of the course is to make students aware of their environment and make them better able to make informed decisions concerning their environment.

***A.P. ENVIRONMENTAL SCIENCE (4270)**

1 Credit

Prerequisite: Biology

Grade Level: 11 or 12

The goal of A.P. Environmental Science is to provide students with the scientific principles, concepts, and methodologies required to understand interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. The class is designed for students wishing to pursue degrees in environmental engineering, environmental or natural science, environmental chemistry, resource management, or several other major disciplines of study. There are several major unifying constructs, or themes that cut across the many topics included in the study of environmental science. The themes are the foundation and structure of the course. Students will be prepared for and expected to take the A.P. exam by the end of the course.

***BIOLOGY (4310)-GENERAL OR HONORS**

1 Credit

Prerequisite: Earth Science

Grade Level: 9-10

Required Course

. Biology is a survey course which covers the topics of cells, cell functions, genetics, evolution, microorganisms, plants, invertebrates, vertebrates, human biology, and ecology. Emphasis is placed on laboratory investigations, development of scientific attitudes, proper use and care of equipment, and the importance of each student's role in protecting and improving our environment.

****Accelerated 8th graders may be eligible to take Biology in 9th grade. Students will be placed according to MAP scores, teacher recommendations, grades, and SOL's***

***BIOLOGY II - ECOLOGY (4340)**

1 Credit

Prerequisite: Biology Grade Level: 11-12

The focus of Ecology will be on providing a variety of experiences for students who seek more knowledge in the areas of ecology and marine biology without the intensity of the AP level class. Ecology will stress the relationships of living organisms to each other and to their physical environment. The emphasis will be: energy flow, succession, community dynamics, global biomes, niches, habitats, and population studies.

***EARTH SCIENCE II - OCEANOGRAPHY(4250)**

1 Credit

Prerequisite: Biology

Grade Level: 11-12

The focus of this course is to provide an overview of the marine environment. The content will include the nature of science, the origins of the oceans, the study of the Earth's oceans and waterways as they relate to chemistry, hydrology, geology, biology, and meteorology. Emphasis will be placed on the unique characteristics of the marine environment and the interrelationship between man and the ocean environment, how marine science interacts with technology and society, and the present and potential use of the ocean resource.

***CHEMISTRY (4410)**

1 Credit - Prerequisite: Biology and Algebra II

Grade Level: 11-12

This course is required to meet the requirements for an Advanced Studies diploma.

Chemistry is a traditional college bound, junior year science course requiring a good math background in Algebra I and geometry. Students must have completed Biology and Algebra II before enrolling in this class. This course develops a central theme - the properties of matter are a consequence of its structure. Students proceed from familiar or known information to the unknown. The principles of structure, matter-energy relationships, the mole concept, thermodynamics, and chemical equilibrium are emphasized. These principles are studied through the use of lectures, class notes, guided and individual practice on problem solving and laboratory work. This course will have a balanced approach combining chemical theories and concepts with quantitative problems.

***PHYSICS (4510)**

1 Credit

Prerequisite: Algebra II

Grade Level: 11-12 Elective Course

Physics is a traditional college bound senior year science course requiring a good background in Algebra II. The inter-relationships of matter and energy are stressed. The major physics' principles are studied through a use of lectures, class notes, guided and individual practice on solving problems, and laboratory work. In order to progress at an acceptable rate, students must have a good background in chemistry, be currently taking or have completed Alg. II and be highly motivated.

***BIOLOGY II-ANATOMY AND PHYSIOLOGY (4330)**

1 Credit

Prerequisites: Biology

Grade Level: 11-12 Elective Course

Human Anatomy & Physiology is one of the fundamental areas of knowledge for any student interested in further study in the field of medicine, nursing, or other allied health professions. Art, Design, Ergonomics & Industrial / Biomedical Engineering can also benefit from studying A&P. Human Anatomy & Physiology surveys the anatomical terminology, basic chemistry, cell structure and function, tissues, and the following systems: integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, digestive, respiratory, urinary, and reproductive systems. The course will also include some human genetics, embryonic development, and immunology.

***A.P. BIOLOGY (4370AP)**

1 Credit

Prerequisite: Biology, Chemistry, and Algebra II.

Completion of mandatory summer assignments prior to the first class meeting.

Grade Levels: 11-12 Elective Course

A.P. Biology students will closely follow the program suggested by the College Board. This course emphasizes the principle topics covered in Biology I, but is taught with a more intensive level of rigor. Laboratory work is an integral part of the course. Students prepare for and take the College Board's A.P. exam by the end of the course.

***A.P. CHEMISTRY (4470A)**

1 Credit – Prerequisites: Completion of Chemistry with B average or instructor permission, and successful completion of Algebra II and completion of summer work.

Grade Level: 11-12 Elective Course

A.P. Chemistry is designed as a continuation of the high school chemistry elective and culminates in the A.P. exam. This class will culminate with the student taking the A.P. Chemistry examination for college credit. In order to be successful in this class, students must have a strong work ethic and strong math skills. This class will include a large amount of self-directed activity in order to cover the large amount of material required by the College Board. Topics covered will include: Atomic Theory and Nuclear Chemistry, Chemical Bonding, States of Matter, Solubility and Solutions, Reaction Stoichiometry, Kinetics, and Thermodynamics.

WORLD LANGUAGES

***FRENCH I (5110)**

1 Credit - Prerequisite: None

This course is an introduction to French language and culture which develops listening comprehension, speaking, reading, and writing skills. Classroom emphasis is on listening and speaking through activities such as question/answer exercises, situational dialogues, and games. Reading and writing are practiced through textbook exercises, worksheets, and puzzles done in class, and through daily assignments done at home. Class performance and homework constitute a substantial portion of the course grade.

***FRENCH II (5120)**

1 Credit - Prerequisite: French I

The main goal of this course is to help each student develop proficiency in listening comprehension, speaking, reading, and writing skills. Emphasis is placed upon oral use of the language in the classroom setting, basic conversations and dialogues, and current affairs in French-speaking areas. In addition, the course includes cultural studies of customs, holidays, music, foods, and art.

***FRENCH III (5130)**

1 Credit - Prerequisite: French II

The objective of this course is to refine and expand the students' knowledge of grammar and vocabulary in order to improve their skills both in oral and written French. Basic grammar is reviewed and more complex sentence structure is taught within the framework of thematic units. Students will gain an understanding of francophone culture through readings and independent projects.

***FRENCH IV (5140)**

1 Credit

Prerequisite: French III, Recommended that you earn a B or better in the previous course.

The main focus of French at the 4th year level will be the use of the language in continuing to refine proficiency in speaking, reading, writing and listening comprehension. Students will be exposed to advanced grammar, cultural and practical conversation units as well as French literature.

***FRENCH V (5150)**

1 Credit

Prerequisite: French IV

The goal of this course is to provide students with an in-depth understanding of the Spanish language and Hispanic culture. Considerable emphasis is given to students expressing themselves in spoken and written Spanish, with a strong cultural and literary component. At the end of the year, students will have the option of taking the Advanced Placement Spanish language exam.

***SPANISH I (5510)**

1 Credit

Prerequisite: None

This course is an introduction to the Spanish language and culture using the four faculties of learning a foreign language: listening comprehension, speaking, reading, and writing skills. Within the classroom setting, emphasis is placed on basic grammar and vocabulary needed to successfully communicate in a foreign language such as: present tense verbs, noun/adjective agreement, and noun/verb agreement. In addition, the course includes an introduction to Hispanic culture and customs through the study of holidays, music, foods, and current events.

***SPANISH II (5520)**

1 Credit

Prerequisite: Spanish I

This course provides the student with the opportunity to review the main concepts of Spanish I. Students will further knowledge of grammar and will help each student to attain proficiency in the skills of listening comprehension, speaking, reading, and writing within the framework of the Hispanic culture. Students are expected to read longer passages and complete comprehension exercises. Students should be able to answer questions orally and carry on a conversation in Spanish.

***SPANISH III (5530)**

1 Credit

Prerequisite: Spanish II

The main objective of this course is to refine and expand the students' knowledge of grammar, vocabulary and literature to further improve their listening, speaking, reading and writing skills. In addition to an extensive grammar review, students are introduced to several new tenses and grammar concepts. They will further increase their understanding and appreciation of the language and culture through selected literature readings and cultural projects.

***SPANISH IV (5540)**

1 Credit

Prerequisite: Spanish III, recommended that you earn a B or better in the previous course.

In this course, students continue to perfect the four language skills - listening, speaking, reading, and writing - with an emphasis on oral skills. It is an in-depth look at the Hispanic culture through a study of literature and the use of films, guest speakers, and projects. Grammar review is incorporated into the literature study as is increasingly difficult material.

***SPANISH V (5550)**

1 Credit

Prerequisite: Spanish IV, recommended that you earn an A in the previous course

The goal of this course is to provide students with an in-depth understanding of the Spanish language and Hispanic culture. Considerable emphasis is given to students expressing themselves in spoken and written Spanish, with a strong cultural and literary component. At the end of the year, students have

the option of taking the AP Spanish language exam.

***SPANISH VI (5560)**

1 Credit

This course receives an Honors weight.

Prerequisite: Spanish V, recommended that you earn an A in the previous course.

The course continues to prepare students to express themselves accurately and effectively in a variety of contexts. Continued and enhanced focus further refines students' skills in listening, speaking, reading, and writing to a near-native fluency. The course strengthens the communication skills through the study of a wide range of written and oral texts, such as short stories, newspaper articles, and radio broadcasts in Spanish. Functions of language (grammar and vocabulary) are enhanced and refined through the study of themes and authentic texts. The course is conducted solely in the target language.

HEALTH & PHYSICAL EDUCATION

Students taking any physical education course must wear attire appropriate for physical activity or purchase the school uniform. The cost of the uniform is \$17. For students who choose not to purchase the uniform, approved attire consists of a plain grey top, with no writing, and royal blue gym shorts.

HEALTH & PE GRADE 9 (7300)

1 Credit

Prerequisite: None

Grade Level: 9

Required Course

Fee: \$17.00 fee for uniform, if purchased

Health 9 consists of instruction in American Red Cross Standard First Aid as well as instruction in drug education and nutrition. Physical Education 9 consists of physical fitness, conditioning, rhythmic activities, and team sports.

HEALTH/PE AND DRIVER EDUCATION GRADE 10 (7405)

1 Credit

Prerequisite: Health/PE 9

Grade Level: 10

Required Course

Fee: \$17.00 fee for uniform and \$3.00 for the Dr. Ed. booklet

Health/P.E. 10 consists of four weeks of family life education. Physical Education 10 consists of physical fitness, conditioning, rhythmic activities,

team sports, and individual sports. The purpose of driver education is to allow each student to practice safe driving skills, to understand the rules of the road, and to develop positive attitudes toward driving so that upon completion of the course each student can become a safe, licensed Virginia driver. Forty (40) hours of classroom driver education is offered as a part of the Physical Education 10 curriculum. Behind the wheel education is offered to students with a valid learner's permit. A fee of \$140.00 is required for behind-the-wheel instruction. Fourteen (14) hours of on-road instruction is taught before and after school, on weekends, and during summer months. To register for behind-the-wheel instruction, see the school website under "students".

PE 11 NUTRITION & WEIGHT TRAINING (7510)

1 Credit

Prerequisite: P E 9 & 10 with a C or better Elective Course

Fee: \$17.00 fee for uniform, if purchased

Students will be given the opportunity to work at individual skill levels. The goal of this class is to improve overall strength (weight lifting). Nutrition will be included to enhance lifetime fitness.

PE 12 NUTRITION & WEIGHT TRAINING (7610)

1 Credit

Prerequisite: PE 11

Elective Course

Fee: \$17.00 fee for uniform, if purchased

This course is an extension of Physical Ed Grade 11. Students are required to do an independent study of their choice.

ADVANCED PHYSICAL EDUCATION I (7640)

1 Credit

Prerequisite: Health/P.E. 10 with a C or better

Grade Level: 11-12

Fee: \$17.00 fee for uniform, if purchased

Elective Course

Advanced Physical Education I consists of lifetime activities, athletic training, and current health issues.

ADVANCED PHYSICAL EDUCATION II (7650)

1 Credit

Prerequisite: Adv. Phys. Ed. I Grade Level:

12 Elective Course

Fee: \$17.00 fee for uniform, if purchased

Advanced Physical Education II is an extension of

Advanced Physical Education I. Students are required to do an independent study of their choice.

SPORTS, EXERCISE & HEALTH SCIENCE (7638)

1 Credit

Prerequisites: Biology

Grade Level: 11-12

Elective Course

The emphasis of the class will be to explore career options in this field, terminology specific to the course, an introduction to energy systems and how to train those systems, nutritional needs for various athletes to enhance performance, introduction to anatomy and physiology and kinesiology, effect of exercise on body systems, injuries common to particular sports and how to avoid and treat those injuries, taping and first aid, sports psychology, special consideration in athletes, the female athlete, how to create fitness plans that correspond to various goals, and a look into debatable issues related to the course.

CAREER & TECHNICAL EDUCATION

PRINCIPLES OF BUSINESS AND MARKETING (6115)

1 Credit

Prerequisite: None

Grade Level: 9-12

Elective Course

Fee: \$10.00

Students will learn basic economic principles. They will also learn the various types of businesses and how they are managed. Curriculum in this class will include units dealing with banking, credit, insurance and job preparation. Students will be afforded an opportunity to acquire an Industry Certification. Students prepare portfolios for career preparation, exploring various occupations, projected employment rates and where to be employed in that field.

COMPUTER APPLICATIONS (6611)

1 Credit

Prerequisite: None

Grade Level: 9-12

Elective Course

Fee: \$10.00

Students develop or review correct keyboarding techniques and gain a basic knowledge of Word Processing, spreadsheet, database, graphics, and telecommunication application. Students demonstrate an understanding of computer concepts

through application of knowledge. Students learn to use software packages and local and worldwide network communications systems.

COMPUTER INFORMATION SYSTEMS (6612)

1 Credit

Prerequisite: Computer Applications.

Grade Level: 9-12

Elective Course

Fee: \$10.00

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

ADVANCED COMPUTER INFORMATION SYSTEMS (6613)

1 Credit

Prerequisite: CIS

Grade Level: 9-12

Elective Course

Fee: \$10.00

Students will concentrate on learning all aspects of the Microsoft Office package (WORD, EXCEL, POWERPOINT and ACCESS) using the advanced features of each application. Students will also learn computer history, information systems, and vocabulary as it relates to computer technology. There will be publications projects in this class. There will also be a focus on Industry Certifications and an opportunity to acquire a certification will be afforded to each student. Students will create a portfolio for career preparation, exploring various occupations available, their projected employment rate and where that career or occupation exists.

ECONOMICS & PERSONAL FINANCE (6120)

1 Credit

Grade Level: 11-12

Required Course

This course is preferably taken during junior year. Students explore many facets of financial decision making involved in daily life. Skills in money management, record keeping, and banking are enhanced through the study of basic concepts of economics, insurance, credit, and other related topics. The course will also prepare students occupationally to plan, manage and analyze the financial and monetary aspects and success of business enterprises, banking institutions, or other organizations. This course is required to meet advanced and standard diploma options.

BUSINESS LAW (6131)

1 Credit

Prerequisite: Intro to Principles of Business

Recommended

Grade Level: 10-12

Elective Course

Fee: \$10.00

Students will examine the foundations of the American legal system. They will explore economic and social concepts as they relate to everyday business and personal laws. Student will delve into contracts, criminal law, tort law, and international law through case law research, mock trials, and class/group discussion.

BUSINESS MANAGEMENT (6135)

1 Credit

Prerequisite: Intro to Principles of Business

Recommended

Grade Level: 11 - 12

Elective Course

Fee: \$10.00

Students study basic management concepts and leadership styles as they explore business ownership, planning, economics, international business, and human relations issues such as employee motivation and conflict resolution. Student leadership skills will be enhanced by participation in the Virtual Enterprise Program, a student-run virtual business.

INTRODUCTION TO MARKETING (8110)

1 Credit

Prerequisite: None

Grade Levels: 9-12

Elective Course

Fee: \$10.00

Students gain an understanding of the importance of 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 Standards of Learning. Computer/technology applications and DECA activities support this course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events.

SPORTS & ENTERTAINMENT MARKETING (8175)

1 Credit

Prerequisite: Introduction to Marketing

Grade Level: 9-12

Elective Course Fee: \$10.00

This introductory 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 (math, science, English, and history) related to the content are a part of this course. The co-op method is available for this course. If available, it will combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the semester.

INTRODUCTION TO CULINARY ARTS (8250)

1 Credit

Prerequisite: None

Grade Level 10 - 12

Elective Course Fee: \$20.00

The competencies focus on identifying and exploring the individual careers within the food service industry. Units of study include food science and technology, dietetics and nutrition services, contemporary cuisines and service styles, food and beverage production and preparation, and food safety and sanitation. Teachers highlight the basic skills of math, science, and communication when appropriate in the content.

TECHNOLOGY FOUNDATIONS (8403)

1 Credit

Prerequisite: None

Grade Level: 9 - 12

Elective Course Fee: \$10.00

Students acquire a foundation in technological material, energy, and information and apply processes associated with the technological thinker. Challenged by laboratory activities, students create new ideas and innovations, build systems, and analyze technological products to learn further how and why technology works. They work in groups to build and control systems using

engineering design in the development of a technology.

ELECTRONICS TECHNOLOGY I (8416)

1 Credit

Prerequisite: None

Grade Level: 9- 12

Elective Course Fee:\$10.00

This course engages students in electricity and electronic experiments that focus on the application of scientific theories and mathematic principles. Students solve problems using simple electrical devices and circuits, and design and build electronic projects using DC and AC devices and circuits.

ELECTRONICS TECHNOLOGY II (8412)

1 Credit

Prerequisite: Electronics I

Grade Level: 9-12

Elective Course Fee: \$10.00

Students work with electronic devices, instruments, and circuits, building and designing devices to apply theories and laws with electronic components such as resistors, capacitors, and transistors. They also study integrated circuits used in computers, amplifiers, television, and other equipment.

TECHNICAL DRAWING/DESIGN (8435)

1 Credit

Prerequisite: None

Grade Level: 9-12

Elective Course Fee: \$10.00

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

ARCHITECTURAL DRAWING/DESIGN (8437)

1 Credit

Prerequisite: Technical Drawing/Design

Grade Level: 10-12

Elective Course Fee: \$10.00

Students learn the principles of architecture and increase understanding of working drawings and construction techniques learned in the prerequisite course. Experiences include residential and commercial building designs, rendering, model

making, structural details, and community planning. Students use computer-aided drawing and design (CAD) equipment and established standards or codes to prepare models for presentation. The course provides information for the homeowner and is very beneficial to the future architect, interior designer, or homebuilder.

ENGINEERING DRAWING/DESIGN (8436)

1 Credit

Prerequisite: Technical Drawing/ Design

Grade Level: 10-12

Elective Course Fee: \$10.00

Students use a graphic language for product design, technical illustration, assembly, patent, and aeronautical drawings. They increase their understanding of drawing techniques learned in the prerequisite course. Students use computers, calculators, and descriptive geometry and adhere to established standards to solve design problems. Throughout the course, they hold seminars, meet engineers, and tour technical design firms in order to learn about the benefits of the course on their future study and career. Completion of this course may contribute to a student's preparation for AutoCAD certification examination.

VIDEO & MEDIA TECHNOLOGY (8497)

1 Credit

Prerequisite: Television & Media I

Grade Level: 9-12

Elective Course Fee: \$10.00

This course offers students an opportunity to study all aspects of video and media production, from planning and writing for production to operating studio and editing equipment. Students practice various methods of gathering news and information from individuals, research, and online resources. In addition, students are introduced to analog and digital principles of film production.

TELEVISION & MEDIA PRODUCTION I (8688)

1 Credit – Prerequisite: None

Grade Level: 9-12

Elective Course Fee: \$10.00

Students will learn how to think and work like media producers by engaging in hands-on production projects. Students will also gain proficiency with the media production process while using industry-standard tools. They will explore jobs and careers in the dynamic and growing industry of television and media production and understand the impact of

media and its function as entertainment, persuasion, information, and instruction.

TELEVISION & MEDIA PRODUCTION II (8689)

2 Credits

Prerequisite: Television & Media Prod. I with 70% or better or teacher recommendation

Grade Level 10-12

Elective Course Fee: \$10.00

This course will meet one A and B block, all year long. Students will become media producers as they take real-world projects from conception to production. They will continue to develop and master skills that are essential to the industry as they function in various professional roles. The students will gain breadth and depth in their abilities with the sophisticated tools and equipment involved in professional media productions. They will develop an increased understanding of post-secondary goals and career pathways, along with plans and portfolios to achieve those goals.

TELEVISION & MEDIA PRODUCTION III (8690)

2 Credits

Prerequisite: Television & Media Prod. II with 70% or better or teacher recommendation

Grade Level 10-12

Elective Course Fee: \$10.00

Students will demonstrate mastery of media production knowledge and skills. They will function as media producers by creating original productions as they develop and market programs for target audiences. Students will assemble a professional digital portfolio to advance post-secondary and career goals. They will investigate the dynamic media production industry and identify opportunities for real-world experiences (e.g., internship, job shadowing). Students will research post-secondary opportunities and formulate strategies for both college and career success.

HORTICULTURAL SCIENCE AND PRACTICES (8034)

1 Credit

Prerequisite: None

Grade Level: 9 - 12

Elective Course Fee: \$10.00

Horticultural Science is an elective exploring all areas of horticulture and related fields. The four main areas of horticulture - pomology (fruit production), olericulture (vegetable production), floriculture (flower

production), and landscape/nursery production, are discussed as well as the related areas of plant propagation, pest management, anatomy, and physiology. The course is divided into an academic component where the science of plant growth and development is investigated and a practical component where the class develops school beautification projects and grows several greenhouse crops for seasonal plant sales to earn funds to support class activities. Coursework includes various hands on projects.

GREENHOUSE PLANT PRODUCTION AND MANAGEMENT (8035)

1 Credit

Prerequisite: Horticulture Science

Grade Level: 9 - 12

Elective Course Fee: \$10.00

Greenhouse plant production is the second year course in a three year sequence. This is a continuation of Horticultural Science and will explore introductory topics in greater depth and detail. Topics will include, but not be limited to, greenhouse production systems (water, heating, cooling, etc.), crop production (lilies, poinsettias, annuals, perennials, vegetables, etc.), plant hormones, plant light response, Bonsai production and others. As with the intro class, there will be an academic and practical component to the class.

LANDSCAPING (8036)

1 Credit

Prerequisite: Greenhouse Plant Production
Grade Level: 10 - 12

Elective Course Fee: \$10.00

Landscaping is the third year course of a three year sequence. The emphasis of this class will be landscape principles and design and will include a strong business component. We will use manual design techniques as well as computer assisted design through LandscapePro design software and Quickbooks accounting software. A strong knowledge of plant material is essential and will be stressed.

VIRGINIA TEACHERS FOR TOMORROW (19151)

1 Credit

Prerequisite: 2.7 Cumulative GPA and Application
Grades 11-12

Elective Course Fee: \$10.00

Virginia Teachers for Tomorrow(VTfT) fosters

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

VISUAL & PERFORMING ARTS

ART I/ART FOUNDATIONS (9120)

1 Credit

Prerequisite: None

Grade Level: 9-12

Elective Course Fee: \$20.00

Students will be introduced to a variety of exciting opportunities in using artistic processes to learn to think conceptually and realize potential as a creative and critical thinker in order to meet the challenges of the 21st century. Explore personal interests, while developing skills in areas of drawing, painting, printmaking, ceramics, sculpture, and digital media. Course content includes art production, art appreciation, and studies in visual culture.

ART II/INTERMEDIATE (9130)

1 Credit - Prerequisite: Art I

Grade Level: 9-12

Elective Course Fee: \$20.00

Cultivate previously developed artistic knowledge and skills learned in Art I. Explore new combinations and possibilities in the use of two-dimensional and three-dimensional media, including technological applications. Investigate contemporary topics as they relate to artistic expression and design. Ask questions, solve problems, create products, and communicate ideas in innovative ways. Course content includes art production, design thinking, art history and criticism, aesthetics, and studies in visual culture.

ART III ADVANCED INTERMEDIATE (9140)

1 Credit

Prerequisite: Art II

Grade Level: 10-12

Elective Course Fee: \$20.00

Expand and improve artistic understandings and skills by using creative processes. Develop an

individual style and voice to communicate ideas. Articulate responses to personal and global issues through integration of traditional and electronic media. Present artworks in diverse formats. Course content includes art production, design application, art history, criticism, aesthetics, and studies in visual culture.

ART IV ADVANCED INTERMEDIATE (9145)

1 Credit

Prerequisite: Art III

Grade Level: 11-12

Elective Course

Fee: \$20.00

Students will learn to express confidence in skills and aesthetics by building and maintaining a portfolio of work. This student directed course expects a high level of research, art criticism and are experimentation.

A.P. STUDIO ART DRAWING Two Dimensional (9148)

1 Credit

Prerequisite: Successful completion of 3 Fine Arts classes & recommended B or better avg.

Grade Level: 11 –12

Elective Course

Fee: \$20.00

At the completion of this course students are expected to learn creative and “systematic” strategies in response to a concept. Students will understand that creating art is an ongoing process. Students will strengthen their technical skills and skills in 2-D Design. Through their artmaking, students will think independently, understanding that their work will contribute to the Art community as a whole.

GRAPHIC ARTS DESIGN I (9153)

1 Credit

Prerequisite: None

Grade Level: 9 –12

Elective Course

Fee: \$20.00

Drawing and printmaking are connected by the very skills they require. The class will explore drawing techniques with various mediums that include but are not limited to pencils, charcoal, pen/ink and pastels. We will explore various drawing techniques that include contours, blind contours, texture shading, value scales and more. The class will cover basic non-toxic printmaking techniques of lino-cuts, collographs and more extensive work with multi-plate

prints in limited editions. A unit on visual communication in advertising is also included.

CERAMICS I (9175)

1 Credit

Prerequisite: None

Grade Level: 9 – 12

Elective Course

Fee: \$30.00

Ceramics I is a foundation course with beginning instruction in hand-building and wheel throwing. Students create using pinch, coil, slab, and combination construction techniques. Cultural information as it relates to American Indian pit firing and carbon firing, Japanese Raku firing, and more contemporary electric kiln firing techniques are incorporated in the instruction. Emphasis is placed on creativity and craftsmanship as students are asked to examine the ceramics of other cultures as well as their own work.

CERAMICS II (9176)

1 Credit

Prerequisite: Ceramics I

Grade Level: 9-12

Elective Course

Fee: \$30.00

Ceramics II was created for students who have completed Ceramics I and have a desire to continue training in the field of pottery. Advanced design concepts are introduced as students work to combine functional pottery with sculptural creativity. Exercises in creative problem-solving are incorporated in every project while the students are growing in their understanding of clay.

CERAMICS III (9177) DE CERAMICS IV (9199)

1 Credit

Prerequisite: Ceramics II/III

Grade Level: 10-12

Course

\$30.00

DE Fee: \$10 per college credit (\$30)

Elective

Fee:

Ceramics III & DE Ceramics IV further develop skills in hand-building techniques and wheel throwing combinations. Multiple part pieces are completed with emphasis on completion and skill. Students will use underglazes as well as glazes and slips. Additional techniques include making sprig molds for series work, completing sets, and independent study projects. Three (3) college credits may be earned for DE Ceramics IV.

CRAFT DESIGN I (9160)

1 Credit

Prerequisite: None

Grade Level: 9-12

Elective Course

Fee: \$20.00

Craft Design I is a crafts and handwork course that covers but is not limited to Folk Art Crafts, Outsider Art, American Indian Handwork, Paper Crafts, (includes bookmaking & paper sculpture), and topics in American Traditional and Contemporary style crafts. Students will learn to recognize different styles, history, and origins of American crafts with interdisciplinary connections to social studies, culture, language, and science. This class may not be a substitute for Art I.

CRAFT DESIGN II (9161)

1 Credit

Prerequisite: Completion of Craft Design I, Grades 9-12

Elective Course

Fee: \$20.00

This course is a continuation of Crafts I with emphasis on developing crafts skills with more complex projects. Course study includes altered books, genealogy studies, further studies in American Indian works and textiles.

INTRODUCTION TO PAINTING (9197)

1 Credit

Prerequisite: None

Grade Level: 9-12

Elective Course

Fee: \$20.00

Students will work in water-based painting mediums. The course will cover landscapes, portraiture, still life and abstract compositions by completing paintings while studying the works of prominent artists beginning in the mid-1800's. As the course progresses, students will work on various painting grounds to include but not be limited to canvas, paper, boards, ect... In addition the use of gels, extenders and textural elements will be explored.

PAINTING II (9198)

1 Credit

Prerequisite: Painting I

Grade Level: 9-12

Elective Course

Fee: \$20.00

This is a continuation of the student's work in Painting I. This is a process-based course with an emphasis on developing a firm foundation in style.

Students will explore in depth specific styles and techniques to further strengthen their own style in the medium. Working with additional gel mediums, extenders to raise the work from the surface, and mixed media, students will maintain an extensive artist journal pictorially chronicling their progress as they create original works.

PHOTOGRAPHY I (9190)

1 Credit

Prerequisite: None

Grade Level: 10-12

Elective Course

Fee: \$40.00

This is an introductory course that enables students to enhance their creativity and visual perception through black and white film and digital photography. Light, the elements and principles of design, cameras, films, as well as basic darkroom techniques and artistic techniques are introduced. The study of the famous photographers and a brief history of the medium provide a broad overview of this technical and artistic field. Self-expression is emphasized and results are maintained in a beginning portfolio. Film cameras will be provided; students will be required to purchase a manual digital SLR camera.

PHOTOGRAPHY II (9191)

1 Credit

Prerequisite: Photo I

Grade Level: 10-12

Elective Course

Fee: \$40.00

Photography II continues the study of black and white and digital photography through nine styles of photography. Leading exponents, equipment, and techniques are introduced in their historical context. Students acquire and use an in-depth knowledge of photographic equipment, films, and specialized processes. Conducting a critique, evaluating great works of art, and examining photography and its relationship to other art forms are explored. Development of a portfolio results as students become dynamic designers with the medium of light. Film cameras will be provided; student will be required to purchase a manual Digital SLR camera.

PHOTOGRAPHY III (9192)

1 Credit

Prerequisite: Photo II

Grade Level: 11-12

Elective Course

Fee \$40.00

Photography III continues the skills and

understanding of the student photographer in both film and digital media. More complex concepts are applied with emphasis on completion quality of work and overall skill and understanding. Additional techniques, such as advanced photo editing (both darkroom and digital), photo/mixed media are, and manipulating/controlling light sources will be covered. Student are self-driven and work on how they can use photography with webpage editing and potential career paths. Film cameras will be provided; student will be required to have a Digital SLR camera.

BEGINNING BAND (CONCERT) Levels 1 (9232-1, 9232-2)

1 Credit

Prerequisite: Prior instrumental experience preferred

Grade Levels: 9-12

* Provide own instrument; some instruments available for yearly rent

Elective Course Fee: \$40

Beginning Band/Concert Band is offered to 9th grade students with previous experience on a traditional band instrument and new 10-12th grade band students with a serious desire to study instrumental music. Concert Band emphasizes the development of instrument technique, tone production, tuning, fundamentals of music theory, music reading, and listening skills. They rehearse during the school day as well as in the evenings preceding a performance. Concert Band performs regularly over the course of the year at the Band-O-Rama concert, winter concert, VBODA District Assessment, Northern Neck/Middle Peninsula Area Assessment, as well as the spring concert and graduation. Students also have the opportunity to perform in chamber ensembles at our annual Celebration of the Arts. Many students participate in Honor Bands with VBODA District 1, NN/MP Area, and Virginia Tech.

INTERMEDIATE BAND (SYMPHONIC) Levels 1-4 (9233-1, 9233-2, 9233-3, 9233-4)

1 Credit

Prerequisite: Audition/Instructor Permission

Grade Level: 10-12

Elective Course Fee: \$40

*Provide own instrument; some instruments available to rent for the yearly fee

The Symphonic Band (Intermediate) is open to students primarily in grades 10-12 with significant previous experience on their instrument.

Symphonic Band continues to emphasize the development of instrument technique, tone production, tuning, fundamentals of music theory, music reading, and listening skills while performing a wider variety of music on a higher level. They rehearse during the school day as well as in the evenings preceding a performance. Symphonic Band performs regularly over the course of the year at the Band-O-Rama concert, winter concert, VBODA District Assessment, Northern Neck/Middle Peninsula Area Assessment, as well as the spring concert and graduation. Students also have the opportunity to perform in chamber ensembles at our annual Celebration of the Arts. Many students participate in Honor Bands with VBODA District 1, NN/MP Area, and Virginia Tech.

GUITAR I (9245)

1 Credit

Prerequisite: None

Grade Level: 9-12

Elective Course Fee: \$20

*Provide own instrument; some instruments available to rent for the semester

Guitar is a one-semester course covering the basics of playing guitar at a beginning level through studying music notation, chord symbols, and peer modeling. A brief history of the guitar along with a study of its respective musical styles will also be covered in this course. The main objective of this course is to create an enhanced appreciation for music through playing the guitar. Students will learn how to read music notation, chord symbols, and tablature. Students will perform music as a soloist, in small groups, and as a large guitar ensemble at a cumulative final concert - to be scheduled near the end of the semester.

GUITAR II (9247)

1 Credit

Prerequisite: Guitar I or by audition

Grade Level: 9-12

Elective Course Fee: \$20

*Provide own instrument; some instruments available to rent for the sem. fee

The goals of Guitar II are for each student to learn to play the guitar, to read music notation and guitar tablature, and to obtain an advanced understanding of various guitar-playing styles. These styles include; blues, rock, folk, hip-hop, and classical. Students will be expected to play scales, chords, and notes with correct rhythms while playing alone

or with others. The course is designed to be appropriate for the beginning or advanced player with at least 1 semester or equivalent experience prior to the class.

BEGINNING CHORUS (CONCERT CHOIR) Level 1 (9260-1)

1 Credit – Prerequisite: Prior course experience or by permission of instructor Elective Course
Grade Level: 9

Concert Choir is offered to 9th grade students with previous experience in a choral ensemble. Any student without prior experience will need permission from the instructor before registering. Concert Choir emphasizes the development of vocal technique, tone production, fundamentals of music theory, music reading, and listening skills. They rehearse during the school day as well as in the evenings preceding a performance. Concert Choir performs regularly over the course of the year at the Fall concert, Winter concert, VCDA District Assessment, as well as the Spring concert and graduation. Students also have the opportunity to audition for the extracurricular chamber choir program. Students all have the opportunity to participate in events sponsored by VCDA.

INTERMEDIATE CHORUS (CHORALE) Levels 1-4 (9285-1, 9285-2, 9285-3, 9285-4)

1 Credit
Prerequisite: Beginning Chorus and audition or permission of instructor
Grade Level: 10-12 Elective Course

The Chorale is open to students primarily in grades 10-12 with significant previous vocal experience. Chorale continues to emphasize the development of vocal technique, tone production, tuning, fundamentals of music theory, music reading, and listening skills while performing a wider variety of music on a higher level. They rehearse during the school day as well as in the evenings preceding a performance. Chorale performs regularly over the course of the year at the Fall concert, Winter concert, VCDA District Assessment, as well as the Spring concert and graduation. Students also have the opportunity to audition for the extracurricular chamber choir program. Students all have the opportunity to participate in events sponsored by VCDA.

INTRODUCTION TO TECHNICAL THEATRE (1435)

1 Credit
Grade Level: 9 - 12
Elective Course Fee: \$15.00

Students learn about the design processes for costumes, makeup, lighting, sound, properties, set, and publicity. The requirements for stage managing will be introduced in relation to each of these design areas. The students will create mock designs for shows and critique and analyze scripts in order to foster a basic understanding of how a show comes to life. Students will assist with basic technical needs in relation to the current shows in production. All work for this course will occur during class time and requires no level of after-school commitment unless the student elects to participate in an extracurricular activity.

INTERMEDIATE TECHNICAL THEATRE (1448)

1 Credit
Prerequisite: Successful completion of Introduction to Technical Theatre
Grade Level: 9-12
Elective Course Fee: \$15.00

Students will select three design areas to focus on for the semester and will complete practical design work for one act or full-length productions being conducted after school such as Student Directed One Acts, VHSL Competition Shows, or State Presented Shows. The student will research the history of focus areas from Greek Theatre to Elizabethan, create designs in all three areas for aforementioned shows, and execute accepted design proposals for shows. Students will be required to participate in at least one Design competition at NKHS, VTA, or VA Thespian Conference. These may be scholarship, assessment, individual event, or Tech Rodeos. All work for this course will occur during class time and requires no level of after-school commitment unless the student elects to participate in extracurricular activity.

THEATRE I/INTRODUCTION TO THEATRE (1410)

1 Credit
Prerequisite: None.
Grade Level: 9 – 12
Elective Course Fee: \$10.00

Introduction to Theatre Arts is an elective class designed for all high school students who desire to learn the most basic aspects of the stage, design, playwrighting, and acting. This class will also serve as a

springboard for basic principles of public speaking. Special emphasis is placed on verbal, vocal, and non-verbal delivery methods, and on working effectively as contributing members of a group. Each member of the class will be required to perform on stage in front of an audience.

ADVANCED ACTING – Year II (1430)

1 Credit

Prerequisite: Introduction to Theatre I/Intro to Theatre

Grade Level: 9-12

Elective Course Fee: \$10.00

Advanced Acting is designed as a course of enhanced studies in the artistic, technical and business aspects of theatre production. The course provides additional opportunities for students to perform on stage. Students will think critically as actors do. The class is open to grades 10-12; however, students must have proven success in at least one of the performance areas.

THEATRE III/INTERMEDIATE ACTING & PLAYWRITING(1423)

1 Credit

Prerequisite: Advanced Acting

Grade Level: 10-12

Elective Course Fee: \$10.00

Theatre III/Intermediate Acting is a continuation of Advanced Acting, and will build on the principles learned in the artistic, technical and business aspects of theatre production.

THEATRE IV/ADVANCED ACTING AND DIRECTING (1426)

1 Credit

Prerequisite: Theatre III

Grade Level: 11-12

Elective Course Fee: \$10.00

Theatre IV will build upon the artistic, technical, and production aspects of Advanced Acting. Students will be responsible for directing projects and producing student driven works with a concentration on completing the entire process from beginning to end. The class is open to grades 10-12; however, students must have proven success in all of the performance areas.

D.E.THEATRE HISTORY (1420)

1 Credit

Prerequisite: Theater 1 or Technical Theater 1 or

approval from the teacher.

Grade Level: 10-12

Elective Course

Fee: \$10.00

Theater History is an analytical approach to the understanding and appreciation of theatre as an art form. The course is designed for both prospective theatre majors and non-theatre students who wish to improve their understanding of theatre, both historically and aesthetically. The course will consist of lecture and discussions concerning the major historic periods in the theatre, with representative plays being studied. All plays will be considered within the context of the time they were written. Students will receive 3 dual enrollment credits from Rappahannock Community College. Upon completion of this course, the student will be able to:

- Identify key developments in theatre from the Greeks to present day
- Recognize plays in both western and non-western drama
- Analyze the dramatic structure of a play script
- Identify key elements and personnel involved in theatrical productions

OTHER ELECTIVES

LEADERSHIP DEVELOPMENT (9097)

1 Credit

Prerequisite: Application and Approval of Proposed Program

Grade Level: 9 - 12

Elective Course

This is a community service program designed to prepare students to become productive members of society. By providing recognition and opportunities for community service, the school can involve students in activities which will allow them to contribute to the common good, thereby practicing good citizenship. It provides students with the opportunity to complete 140 hours of community service to earn one credit. Sponsorships include church-related activities, public service agencies, civic club - related activities, recycling efforts, and school activities. This credit may be earned **only one time** between grades 9 and 12. Interested students must also complete an application that can be obtained through the School Counseling office.

OTHER PROGRAMS

CHESAPEAKE BAY GOVERNOR'S SCHOOL

The Chesapeake Bay Governor's School (CBGS) provides high-ability and gifted students from the Northern Neck and the Middle Peninsula with a rigorous curriculum through enrichment, exploratory, investigative, and career awareness experiences. Through the integration of math, science, technology, and research, woven with marine and environmental sciences, students have the opportunity to foster an appreciation and respect for environmental issues. Students apply during their 9th grade year and attend during their 10th-12th grades. These students attend Chesapeake Bay Governor's School in the mornings and return to New Kent High School in the afternoon for the remainder of their classes.

THE VIRTUAL ADVANCED PLACEMENT SCHOOL (VIRTUAL VIRGINIA)

VAPS provides a variety of college-level courses, enabling Virginia students to earn college credit regardless of their home high school's ability to offer college-level courses. Both televised and online Internet-based Advanced Placement (AP) courses are available to all qualified Virginia students. All high school students are encouraged to get a head start on college by earning college credits during high school. These credits may be earned through the Virtual Advanced Placement School. The first step is talking with your school counselor. Schedule an appointment today to learn more about earning college credit through Virginia's Virtual Advanced Placement School. Please Note: There is a fee for the AP Exam. Also, students who do not qualify as Early College Scholars will have to pay a fee for the class.

For more information go to: Virtualvirginia.org

BRIDGING COMMUNITIES REGIONAL CAREER & TECHNICAL CENTER and Governor's STEM Academy (BCTC)

New Kent, Charles City, King William, King and Queen, and Middlesex Counties
"Linking Students to Careers and Jobs"

Ph: 804-966-8575

Fx: 804-966-8769

Dr. Stephen Trexler, Center Director
Margaret Best, Administrative Assistant

Application Process:

Programs are available for juniors and seniors in each of the five school divisions. Limited seats are available for each program. Enrollment in the Technical Center is a competitive application process. Interested students should let their counselor know by December if he/she is interested in applying for a program. All applicants will register with the Virginia Community College System and take the Virginia Placement Test in the spring as part of the application process. When scheduling for the upcoming school year during the fall semester, please select your BCTC Program of interest. Applications are accepted from December through January. Please see the BCTC Program of Study online.

Pre-Engineering Technology/STEM

Prerequisite: Technology Education class recommended. Enrollment in Rappahannock C.C. and taking the Virginia Placement Test. Year two will offer dual enrollment option with Rappahannock Community College.

The junior year three credit program introduces students to a variety of engineering fields and related careers. Students will become involved in engineering design, fundamentals of modeling and applying the engineering design process as they study real world problems. Instruction will be designed around the construction and use of robots.

The senior level dual enrollment class introduces students to concepts common in most engineering occupations and students will learn to use statistics in engineering problems. Students can earn 16 college credits. A community based Service Learning project will be part of this class. Students will be eligible to take the NOCTI Pre-Engineering Assessment certification and/or the SkillsUSA Robotics Examination certification. This program is recommended for students interested in a university engineering degree or a community college engineering technology program. Salary range is \$25,000.00 to \$121,000.00 depending on degree.

Heating, Ventilation, Air Conditioning and Refrigeration (HVAC)

Prerequisite: Any Agriculture, Technology or other mechanical related class is recommended
Prerequisite: Enrollment in Rappahannock C.C. and taking the Virginia Placement Test.

This two-year program provides six high school credits and nineteen college credits. The program prepares students to install, repair, and maintain heating, air conditioning, and refrigeration systems. Students will study heat, heat transfer, electricity and electronics related to HVAC, duct systems and tubing. EPA regulations and certifications will be emphasized. Students completing this program will take the Environmental Protection Agency (EPA) Refrigerant Recovery certification test and either the NOCTI HVAC/R certification test or the ACT Work Keys Assessment. HVACmechanics/installers salary range from \$24,000.00 to \$63,000.00 depending on experience and skill.

Criminal Justice (Administration of Justice)

Prerequisite: Enrollment in Rappahannock C.C. and taking the Virginia Placement Test.

This two-year program provides six high school credits and twenty-four college credits from Rappahannock Community College. The program introduces the career fields of law enforcement, corrections and private security. Examples of topics studied include crime prevention, collecting evidence, criminal investigations, and maintaining law and order. Many occupations in this Career Cluster require additional training and some have minimum age requirements. Average salary range is \$21,000.00 to \$76,000.00.

Diesel Equipment Technology

Prerequisite: Any Agriculture, Technology or other Mechanical or Technical related class is recommended.

Prerequisite: Enrollment in Rappahannock C.C. and taking the Virginia Placement Test.

This is a two-year, dual enrollment program with Rappahannock Community College. Students will earn thirty college credits as they learn shop procedures, diesel truck electrical systems, power trains, hydraulics and pneumatics, air brakes, fuel systems and diesel engine reconditioning. Seniors will take either the NOCTI Diesel Engine Mechanics Assessment or the ACT Work Keys Assessment. After graduating from high school, students will be able to complete this program at Rappahannock Community College in less than one year. Salary range for heavy equipment mechanics and diesel specialists range from \$25,000.00 to \$62,000.00 depending on skill and experience.

Culinary Arts

One-year completer program using New Kent High School Commercial kitchen

Prerequisite: Enrollment in Rappahannock C.C. and taking the Virginia Placement Test.

This one year program is available to juniors or seniors. Students will earn three high school credits and seven college credits. Students will practice the management and production skills used in commercial and other large food establishments. Students will plan, select, store, prepare and serve food and food products, study nutrition, sanitation and food safety, and learn to use commercial equipment. After graduation students can complete the college certificate program in three semesters. In this two-year program students will take the National Restaurant Association ServSafe certification and Pro Start certification tests. In addition to chef or cook, occupational options include baker, pastry chef, and food service manager and many other specialties. Salaries range from \$22,000.00 to \$65,000.00 for skilled positions.

Web and Coding

Prerequisite: Computer Information Systems or similar Business/IT class

Prerequisite: Enrollment in Rappahannock C.C. and taking the Virginia Placement Test.

The Bridging Communities Web Design and Coding program prepares students with entry level skills required to enter web design, game design, and animation/modeling fields. This two-year program will allow students to earn six high school credits and 30 college credits and three career study certificates from Rappahannock Community College. Students will learn to use software such as Adobe Photoshop, Illustrator, Dreamweaver, Fireworks, Flash, and 3D Studio Max. Second Year students have the opportunity to participate in student internships where they receive work-based learning opportunities. Students also participate in the VA STAR computer refurbishment program. Occupational options include: computer programmers, multimedia artist and animator, software developer, digital visualization specialist, computer information and research scientist, and computer systems analysts. Salaries range from \$42,000-\$110,000, depending on skill and education.

Small Engine Technology

Prerequisite: None-No Virginia Placement Test scores are required.

The Bridging Communities Small Engine Technology program is recommended for students interested in employment in the small engine repair, power equipment repair, motorcycle repair, or marine craft repair industry. This two-year career and technical program provides students with the opportunity to earn six high school credits and a national industry recognized Equipment & Engine Training Council (EETC) certification in 2 and 4 stroke gasoline engines and power equipment. Students will learn shop procedures, demonstrate safety practices, apply theory, and learn the operation, maintenance, and repair of small gasoline two and four stroke engines. Students will diagnose engines and perform procedures for overhaul and reassembly of the engines. Areas of instruction will include fuel systems, electrical systems, ignition and starting systems, and cooling and exhaust systems. Students will have the opportunity to participate in competition through SkillsUSA. Graduates in the small engine technology fields may expect an annual salary range from \$32,000 to \$45,000.

Health Science (Nurse Aide/Licensed Nurse)

This program includes a senior level dual enrollment option Nurse Aide class plus post-high school enrollment in Rappahannock Community College to complete the required nursing clinical experience. At the completion of this program students are eligible to take the licensure examination for Nurse Aide and proceed with instruction to obtain LPN Nurse licensure or Registered Nurse degree. LPN Salary Range: from \$27,000.00 to \$52,000.00 RN Salary Range: \$42,000.00 to \$87,000.00

Senior Year Class:

Prerequisite: Enrollment in Rappahannock C.C. and taking the Virginia Placement Test. Drug Test and Criminal Background test

Students will learn nursing care of patients of all ages, in various stages of sickness or wellness. Topics include human anatomy, body function, nutrition, disease conditions, pharmacology, nursing procedures, and other topics. A minimum of twenty hours of clinical experience in a community adult care facility and/or hospital is required. This clinical experience may be after-school and on

Saturdays. In addition to Nurse Aide requirements, students will complete four classes leading toward LPN Nurse or Registered Nurse degree. Students will take the SkillsUSA certification exam before completing this class.

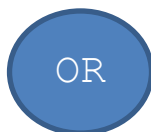
****Please note that students participating in each BCTC program will be awarded three high school credits each year upon successful completion of course requirements. College credits awarded vary by program and course.***

Math Sequencing for an Advanced Diploma

Non dual enrollment course sequence. Students must complete through at least Alg. II and earn four math credits for the advanced diploma.

Algebra 1 → Geometry → Algebra, Functions and Data Analysis → Algebra II

Algebra 1 → Geometry → Algebra II → Discrete Math OR Pre Calculus



*New Kent High school will be implementing three **dual enrollment (DE) math pathways** that begin after the successful completion of Algebra II.*

The **first pathway** is intended to serve liberal arts, business, social science, and STEM students. The Applied Statistics Pathway focuses on statistical thinking, reasoning and applications that allow students to put statistical concepts into practice.

DE Quantitative Reasoning → DE Statistics → DE Pre Calculus

The **second pathway** is intended for students who have successfully completed Algebra II, but need further support in calculus prior to taking a dual enrollment course. This STEM Pathway prepares students in some of the sciences, mathematics, technology, and engineering fields.

Pre Calculus → DE Pre Calculus → DE Calculus OR DE Statistics

The **third pathway** is intended to serve students who are recommended to enter into the Dual Enrollment STEM Pathway without taking the high school Pre-Calculus for a high school credit only. This is the most rigorous pathway provided.

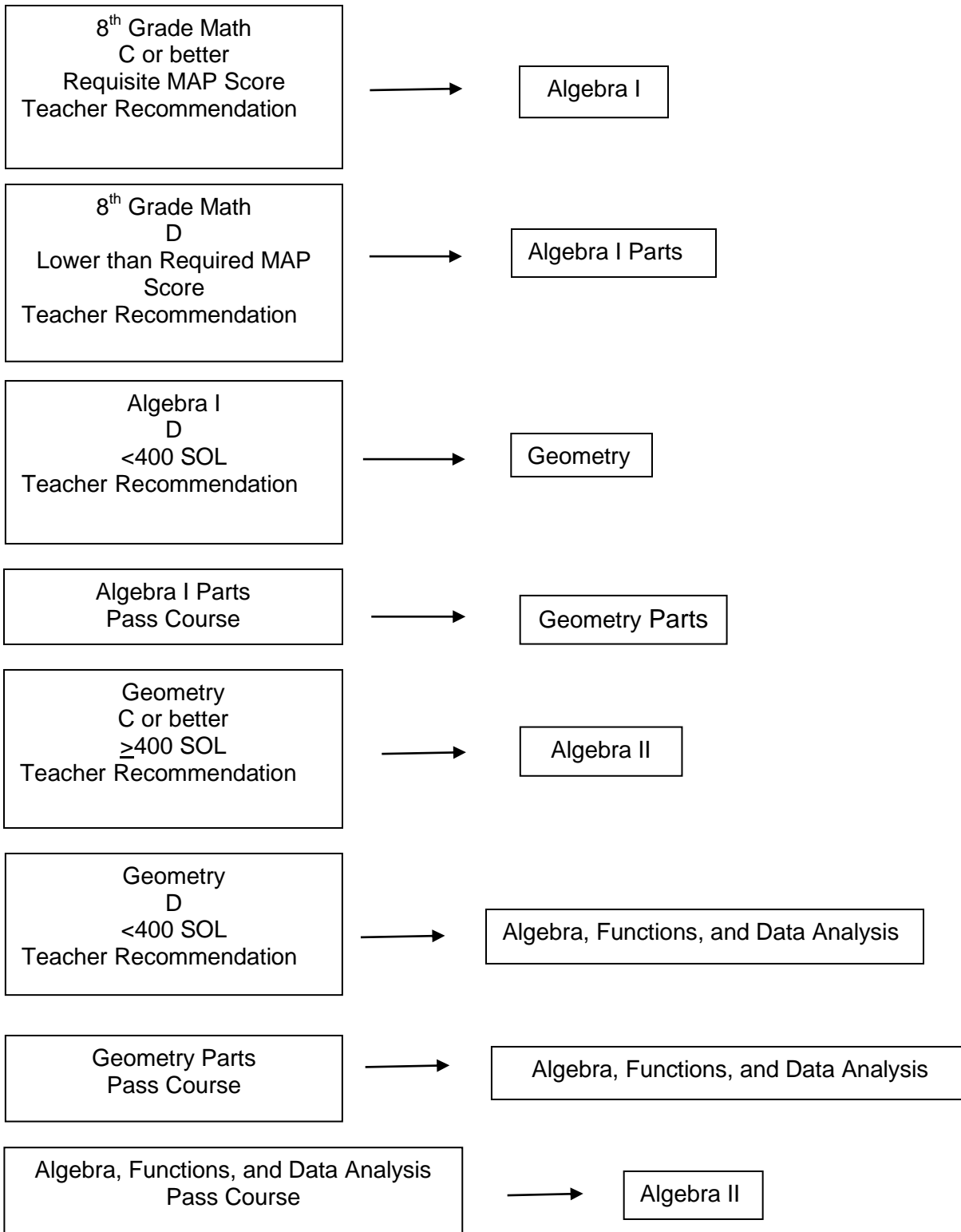
DE Pre Calculus → DE Calculus OR DE Statistics

PLEASE NOTE:

The Math Department team members closely review all math placements and will make recommendations based on student performance.

All students interested in taking Dual Enrollment courses **MUST** meet all pre requisite requirements including registration with Rappahannock Community College and qualifying PSAT, SAT and/or Virginia Placement Test scores.

Math Sequencing for a Standard Diploma



Please Note:

For a Standard Diploma, a sequence of Algebra I, Geometry, and AFDA satisfies the mathematics requirement. The Math Department team members closely review all math placements and will make recommendations based on student performance.