

COLONIAL HEIGHTS HIGH SCHOOL  
PROGRAMS AND COURSES

***Selection of Courses***

The process of selecting courses occurs during the second term when school counselors meet with the students in grades 8- 11. At this time each student makes a tentative selection of courses for the next academic year.

Each student in grades 9, 10, and 11 will meet individually with a school counselor or a faculty advisor during the second term in order to review his or her course selections and to make changes, as appropriate, in view of past academic performance and future plans. Parents may contact their student’s school counselor if they wish to participate in their student’s program planning conference.

Students are scheduled under the assumption that they will pass all of their courses for the current academic year. **Any student who fails one or more courses should contact the School Counseling Office prior to leaving for the summer.** Special Education students are scheduled in accordance with their Individual Educational Plans.

***No student will be denied access to any course, program of instruction, or guidance and counseling services on the basis of race, color, national origin, sex or handicapping condition.***

***Course Levels***

**AP**=Advanced Placement or College Level

**H**= Honors Level

**X**= Modified Course (no regular credit awarded)

**DE**=Dual Enrollment College Course

**OL**= On-Line

***Grading Scale***

A student must earn a minimum final grade of “D” (73) in the course in order to earn a credit. The final grade is an average of the two term grades. The grading system for regular course credit is as follows:

A...94-100    B...87-93    C...80-86    D...73-79    F...below 73

***GPA & Class Rank***

A grade point average (GPA) is computed for each student by first awarding “quality points” to each final grade earned in his or her course work, and then by dividing the total number of quality points awarded by the total number of his credits attempted. (Please note in the table that follows that the number of quality points awarded for Honors Course work differs from Regular classes). The GPAs are then placed in order from highest to lowest in order to determine each student’s rank in class. GPAs and rank in class are computed at the end of the year for rising juniors and seniors.

| <u>Regular Classes</u> | <u>Honors/Dual Enrollment Classes</u> | <u>AP Classes</u> |
|------------------------|---------------------------------------|-------------------|
| A     4 points         | A     4.5 points                      | A     5 points    |
| B     3 points         | B     3.5 points                      | B     4 points    |
| C     2 points         | C     2.5 points                      | C     3 points    |
| D     1 point          | D     1.5 points                      | D     2 points    |
| F     0 points         | F     0 points                        | F     0 points    |

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### ***Promotion Schedule***

|   |                                       |
|---|---------------------------------------|
| Promotion from 9 <sup>th</sup> to 10 <sup>th</sup>  | 6 credits including English 9         |
| Promotion from 10 <sup>th</sup> to 11 <sup>th</sup> | 12 credits including English 10       |
| Promotion from 11 <sup>th</sup> to 12 <sup>th</sup> | 17 credits including English 9 and 10 |

### ***Graduation Requirements***

Requirements for graduation from Colonial Heights High School will depend upon the type of diploma or certificate program in which the student is enrolled. There are two regular diploma programs: the ***Advanced Studies Diploma*** and the ***Standard Diploma***. Requirements for these types of diplomas are different depending upon the year the student enters the ninth grade the first time.

The ***Applied Studies Diploma*** is available for special education students who take courses which are modified in content and/or grading scales. Certificates of completion may be awarded to alternative education students and also to special education students who fulfill the requirements of their individual educational plans.

### ***Concurrent Education***

Concurrent Education is a program which allows students to enroll in college courses before graduating from high school. In some cases, both high school and college credit may be awarded for these courses. Students must meet certain criteria to be considered for enrollment in college courses. Students must also have approval from the Principal to enroll in any course offered outside of Colonial Heights High School.

### ***English as a Second Language (ESL)***

The English as a Second Language (ESL) Program provides assistance to those students who are Limited English Proficient (LEP). The students in the ESL instructional program learn English through appropriate ESL instruction as well as immersion into the regular school curriculum.

### ***Special Education***

Special Education programs are available for any student who has been identified as having a handicapping condition and whose needs are not being met in a regular education program. Information about special education programs and services may be obtained from the Office of Support Services' Director.

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### ***Honors and Advanced Placement (AP)***

The Honors and Advanced Placement Program is designed to meet the needs of those students who are in CREATE (gifted and talented) and/or who are exceptionally capable in academic areas. It is recommended that students have earned an A or B in the prerequisite course to be eligible to enroll in an Honors course. The following Honors and Advanced Placement (AP) courses are offered:

|                      |        |                          |        |
|----------------------|--------|--------------------------|--------|
| English 9, 10, 11    | Honors | French IV                | Honors |
| Earth Science        | Honors | Latin IV                 | Honors |
| Biology I            | Honors | Spanish IV               | Honors |
| Biology II           | Honors | AP Art History           |        |
| Chemistry I          | Honors | AP English 12            |        |
| Chemistry II         | Honors | AP Biology               |        |
| Physics I            | Honors | AP Calculus AB           |        |
| Geometry             | Honors | AP Chemistry             |        |
| Algebra II           | Honors | AP Government            |        |
| Prob. & Stats.       | Honors | AP French V              |        |
| Math Analysis        | Honors | AP Latin V               |        |
| Calculus             | Honors | AP Spanish V             |        |
| World History I      | Honors | AP Psychology            |        |
| World History II     | Honors | AP US History            |        |
| World Affairs        | Honors | AP Environmental Science |        |
| Comparative Religion | Honors | AP Computer Science      |        |
| Art                  | Honors |                          |        |

Students enrolled in Advanced Placement courses are eligible to take AP exams at the end of each course. These are administered in May and are scored by the College Board. Most colleges and universities grant students college credit for their AP courses based on their exam score.

### ***Policies***

1. All repeat courses must be taken for a full term.
2. Whenever a course is repeated that has been previously passed, no additional credit will be awarded. However, the final grades will be figured into the GPA.
3. Credits are awarded based upon the achievement of a passing grade at the completion a term course and/or a year long course.
4. Early release/Late Arrival options are for juniors/seniors that meet the following criteria:
  - a. Enrollment in a school sponsored work program  
or
  - b. Enrollment in a college course through Richard Bland College or JTCC  
and
  - c. Enrollment in three credit bearing courses

Second term seniors may also apply for early release if they meet the following criteria:

- a. Student has met all verified credit requirements and is in good academic standing
- b. Student can provide proof of employment or enrollment in a college course
- c. A student must complete an Early Release form and get approval from the Principal. These forms must be completed and returned prior to the start of the first term exam schedule.

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### ***Scheduling/Class Changes***

Students will be permitted to change a course within the first 5 school days of the start of the term. Changes are not guaranteed and are contingent upon available space and scheduling. Request for teacher changes will not be honored.

Level changes (honors to academic) will be considered pending approval from parent, teacher and administration. Schedule changes involving virtual courses must be made prior to the beginning of the school year, due to registration policies with the course provider.

### ***Study Halls***

Study hall/Aide positions are available for 11<sup>th</sup> and 12<sup>th</sup> graders  
Students must be enrolled in 3 credit bearing classes each term.

### ***Withdrawal-Classes***

Students will be permitted to withdraw with a grade of “N” from a term course until the Thursday following the first 9 weeks report card distribution. After that date, withdrawals will result in an “F” for a final grade on the student’s transcript.

Students will be permitted to withdraw with a grade of “N” from a year long course until the Thursday following the 2<sup>nd</sup> nine weeks report card distribution. After that date, withdrawals will result in an “F” for a final grade on the student’s transcript.

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*English*

**001 ENGLISH 9 - HONORS**

**Prerequisite: Honors Criteria**

This course offers a diverse program that builds foundations in reading, writing, research, vocabulary, oration, and grammar. Students will read an array of multicultural literature that will serve as a base for subsequent grades. Students are exposed to curriculum that promotes higher level thinking and challenges them to delve deeper into the material. This class often requires students to read and compose papers outside of class.

**002 ENGLISH 9**

**Prerequisite: Grade 9**

This course offers a diverse program that builds foundations in reading, writing, research, vocabulary, oration, and grammar. Students will read an array of multicultural literature that will serve as a base for subsequent grades. Students are exposed to curriculum that promotes critical thinking and the use of various learning strategies.

**011 ENGLISH 10 - HONORS**

**Prerequisite: Honors Criteria; English 9 with recommended grade of A or B**

This course offers a diverse program in reading, writing, vocabulary, speaking, literature, and grammar. It includes materials that promote higher level critical thinking skills and is designed for students who can work at a rapid and challenging pace.

**012 ENGLISH 10**

**Prerequisite: English 9**

This course offers a diverse program in reading, writing, speaking, literature, and grammar. It includes an intensive review of grammar, common writing problems and promotes analytical skills in literature.

**021 ENGLISH 11 - HONORS**

**Prerequisite: Honors Criteria; English 10 with recommended grade of A or B**

This course offers a diverse program in reading, analytical writing, public speaking, research, American literature and grammar review. It includes materials designed to foster the use of technology and promote higher level critical thinking skills that will challenge the Honors student. Work for this class is substantial, and students can expect significant outside reading and papers.

**022 ENGLISH 11**

**Prerequisite: English 10**

This course offers a diverse program in reading, writing, public speaking, American literature, and grammar review. It includes an intensive study of expository writing skills with an emphasis on the multi-paragraph essay, including a research paper.

**031 AP ENGLISH 12**

**Prerequisite: Honors Criteria; English 11 with recommended grade of A or B**

This Advanced Placement course is equivalent to college freshman English, which means that students are expected to handle independent analysis of sophisticated material with maturity. The workload for this course is substantial. Students will write extensively and critically from of British and world literature. Students have the option to take the AP English Literature and Composition exam in May.

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**032 ENGLISH 12**

**Prerequisite: Grade 12**

This course offers a diverse program in reading, writing, public speaking, literature, and grammar review. It offers an overview of British and world literature and a study of expository writing skills with an emphasis on the multi-paragraph essay.

**033 ENGLISH 12 BASIC**

**Prerequisite: Grade 12**

This course is designed for students intending to go directly into the workforce upon graduating from high school. It offers a basic overview of reading, writing, public speaking, literature, and grammar review. It is not intended as a college preparatory course.

***Math***

**051 ALGEBRA I, PART 1**

**Prerequisite: None**

This course is the first year of a two-year sequence that covers the topics of Algebra I. Algebra I, Part I will count as an elective credit.

**053 ALGEBRA I, PART 2**

**Prerequisite: Algebra I, Part 1**

This course completes the study of Algebra I and prepares the student to study higher mathematics.

**055 ALGEBRA I**

**Prerequisite: None**

This course is designed to help the student understand the basic structure of Algebra. Topics covered include signed numbers, open sentences in one and two variables, factoring, polynomial operations, real numbers, functions and their graphs, statistics and quadratic equations.

**057 GEOMETRY - HONORS**

**Prerequisite: Honors Criteria; Algebra I with recommended grade of A or B**

This course includes topics covered in Geometry (see below) plus additional in-depth exploration of various methods of proof.

**058 GEOMETRY**

**Prerequisite: Algebra I or Algebra I, Part 2**

This course is designed to develop the student's ability to visualize plane and space figures and their relationships and to develop the ability to think creatively by the deductive system. Beginning with the basic concepts of Geometry (the point, line and plane), the student is able to develop properties of triangles, parallel lines, polygons, and circles.

**072 GEOMETRY, PART 1**

**Prerequisite: Algebra 1 or Algebra 1, Part 2**

This course is the first year of a two-year sequence that covers the topics of Geometry. Geometry, Part I will count as an elective credit.

**073 GEOMETRY, PART 2**

**Prerequisite: Geometry, Part 1**

This course completes the study of Geometry and prepares the student to study higher mathematics.

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**060 ALGEBRA, FUNCTIONS, AND DATA ANALYSIS**

**Prerequisite: Algebra I, Geometry, Grade 11/12 (This course is NOT for students who have already passed Algebra II)**

This course is designed for students who have successfully completed the standards for Algebra I. Within the context of mathematical modeling and data analysis, students will study functions and their behaviors, systems of inequalities, probability, experimental design, and implementation, and analysis of data. Data will be generated by practical applications arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, exponential, or logarithmic equations or a system of equations.

**061 ALGEBRA II - HONORS**

**Prerequisite: Honors Criteria; Geometry Honors with recommended grade of A or B and a verified credit in Algebra I**

This course includes the topics covered in Algebra II (see below) with increased pace and added rigor.

**062 ALGEBRA II**

**Data Analysis (Course #60) is a recommended prerequisite for students that completed Algebra I and/or Geometry in parts.**

**Prerequisite: Geometry with a recommended grade of C or better and a verified credit in Algebra I;**

Algebra II is a course that extends the content of Algebra I and provides further development of the concept of a function. Topics include: real and complex number systems; absolute value, quadratic, polynomial, rational, radical, logarithmic and exponential functions; sequences and series; counting principles and probability; and normal distribution. The graphing calculator will be used extensively as a tool to analyze functions.

**063 ADVANCED ALGEBRA & TRIGONOMETRY**

**Prerequisite: Algebra II**

This course is designed for advance students who are capable of a more rigorous course at an accelerated pace. The standards listed for this course provide the foundation for students to pursue a sequence of advanced mathematical studies from Mathematical Analysis to Advanced Placement Calculus.

**065 MATHEMATICAL ANALYSIS - HONORS**

**Prerequisite: Honors Criteria; Algebra II with recommended grade of A or B**

This course is for students who have demonstrated a proficiency in Algebra or Geometry and plan to study Calculus. It strengthens the student's knowledge of polynomial functions and conic sections and includes the study of trigonometric functions and their applications.

**068 CALCULUS - HONORS**

**Prerequisite: Mathematical Analysis - Honors**

This course is college level Calculus. Students learn integration and differentiation of both algebraic and transcendental functions and includes the study of trigonometric functions and their applications.

**069 AP CALCULUS**

**Prerequisite: Calculus - Honors**

This Advanced Placement course is a continuation of the topics learned in Honors Calculus with an emphasis on preparing for the AP Calculus AB exam in May.

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### **070 COMPUTER /CALCULATOR MATHEMATICS**

**Prerequisite: Algebra I, Standard Diploma, Third Math Credit, Grade 11/12**

This course will have the students apply mathematical formulas and reasoning to real world events. Students do not have to have prior programming experience. They will use the graphing calculator to explore these events by analyzing the output of programs when various inputs are keyed in. Computer Math may be used to satisfy Standard Diploma requirements if the student also completes a career and technical concentration.

### *Science*

### **081 EARTH SCIENCE - HONORS**

**Prerequisite: Honors Criteria**

This course includes the study of basic science skills: astronomy, meteorology, petrology, oceanography, mineralogy, geomorphology, paleontology, geochronology, seismology, plate tectonics, and earth resources. Students are expected to complete either a research assignment or a project during the year.

### **082 EARTH SCIENCE**

**Prerequisite: None**

This course is a study of the geological structures of the earth, minerals, rocks, fossils, natural land formations, volcanoes, earthquakes, oceanography, maps, meteorology and astronomy. Specific laboratory work is done in some of the above areas of study.

### **086 BIOLOGY I - HONORS**

**Prerequisite: Honors Criteria; Earth Science with recommended grade of A or B**

This course includes emphasis on biological principles through lab work, and individual projects. Interpretation of data and problem solving will be applied to biological principles.

### **087 BIOLOGY I**

**Prerequisite: Earth Science**

This course teaches the different biological principles through lab work, lectures, demonstrations, reference work, and individual projects that deal with the life processes.

### **088 BIOLOGY II**

**Prerequisite: Biology I**

This course is designed for students who need a third or fourth science credit. Emphasis is placed on human anatomy and physiology with the application of basic inorganic and organic chemistry concepts. Topics to be covered include human chemistry, cells, tissues, organs, organ systems, and diseases.

### **094 BIOLOGY II - HONORS**

**Prerequisite: Honors Criteria; Biology I with recommended grade of A or B**

This course is designed for students who are interested in pursuing a science related field. Emphasis is placed on human anatomy and physiology with the application of basic inorganic and organic chemistry concepts. Topics to be covered include human chemistry, cells, tissues, organs, organ systems, and diseases. A large amount of the content requires memorization.



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**089 ECOLOGY**

**Prerequisite: Biology I, Standard Diploma, Third Science Credit, Grade 11/12**

This course is designed for students that are pursuing a Standard Diploma who need a third science credit. The course will include the studies of taxonomy, ecological principles, major terrestrial and aquatic ecosystems, fundamentals of human ecology, and quantitative field study techniques.

**090 CHEMISTRY I - HONORS**

**Prerequisite: Honors Criteria; Earth Science & Algebra I with recommended grade of A or B and a verified credit in Algebra I**

This course is a study of the composition, structure, properties, and reactions of matter, especially atomic and molecular systems. The concept of valence is expanded into formula writing, equations, and problem solving. Lectures are supplemented with experiments and demonstrations.

**091 CHEMISTRY I**

**Prerequisite: Earth Science; Algebra I or Algebra I Part 2 and a verified credit in Algebra I**

This course is a study of the composition, structure, properties, and reactions of matter, especially atomic and molecular systems. Students will work with a quantity of matter known as a mole. The concept of valence is expanded into formula writing, equations and problem solving. Lectures are supplemented with experiments and demonstrations.

**092 CHEMISTRY II – HONORS**

**Prerequisite: Chemistry I – Honors**

Students will have an opportunity to increase their knowledge from Chemistry I using laboratories to prepare solutions, compounds and become proficient in lab software and probe ware use. The topics covered will include Laboratory Safety and Procedures, Atomic Structure, Nomenclature, Reactions, Thermochemistry, Kinetics, Equilibrium, Acids Bases and Buffers, Gases, and Organic Chemistry.

**093 PHYSICS I - HONORS**

**Prerequisite: Honors Criteria; Algebra II with recommended grade of A or B**

This course covers the forms of energy, such as mechanical, nuclear, heat, light, electric, and sound. Lectures are supplemented with demonstrations and experiments.

**095 AP BIOLOGY**

**Prerequisite: Biology I & Chemistry I with recommended grade of A or B in Honors level of each course**

This Advanced Placement course is equivalent to college biology. It includes molecular and cellular biology, organism biology, and population biology. The aim of this course is for the student to achieve knowledge of the facts, principles, and processes of biology and to understand the collection and interpretation of biological information.

**096 AP CHEMISTRY**

**Prerequisite: Biology I, Chemistry I, and Algebra II with recommended grade of A or B in Honors level of each course**

This Advanced Placement course is equivalent to college chemistry. It includes kinetics, equilibrium, thermodynamics, electrochemistry, atomic structure and periodicity. Labs are performed on a bi weekly basis and are completed after school, if needed. This course is taught as a college chemistry course. To be successful in this course, students are expected to spend a minimum of five hours outside of class studying and working on assigned problem sets.

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**097DE GEOSPATIAL METHODS AND ANALYSIS (GIS Applications)**

**Prerequisite: Biology I, Chemistry I, and Algebra II; Grade 11/12**

This dual enrollment course with James Madison University is designed for juniors and seniors and is considered a freshman college level course. Students will learn to use GPS units to collect data and use ESRI's Arc View software to analyze the data. Students will focus on solving state and local problems using various geospatial tools and technology.

***Social Studies***

**101 WORLD HISTORY I - HONORS**

**Prerequisite: Honors Criteria**

This course is the study of world history before 1500 AD.

**102 WORLD HISTORY I**

**Prerequisite: None**

This course is the study of world history before 1500 AD.

**104 WORLD HISTORY II - HONORS**

**Prerequisite: Honors Criteria**

This course is the study of world history since 1500 AD. This course also introduces the student to the two styles of historical writing: the Thematic Essay and the Document Based Question Essay (DBQ). Students planning on taking AP VA/US History should take World History II Honors.

**105 WORLD HISTORY II**

**Prerequisite: Completion of a level two foreign language course is highly recommended.**

This course is the study of world history since 1500 AD.

**107 AP VA/U.S. HISTORY**

**Prerequisite: Grade 11, World History II Honors, recommended grade of A or B in both English and History**

This college-level course in United States History begins with the European exploration and colonization and continues through the modern age. The course focuses on preparing students for the AP U.S. History exam, and is reading and writing intensive. Students will be required to do self-directed readings and write several essays, including essays answering Document-Based Questions.

**108 VA/U.S. HISTORY**

**Prerequisite: Grade 11**

This course is for all students in Grade 11 who are not enrolled in 107. It covers Virginia and United States History from colonization to the modern age.

**111 AP GOVERNMENT**

**Prerequisite: Grade 12, and VA/U.S. History with recommended grade of A or B**

This college level course includes a study of the structure and functions of our systems of government. Students will be required to write timed essays in class. The course focuses on preparing students for the AP U.S. Government exam.

**112 VA/US GOVERNMENT**

**Prerequisite: Grade 12**

This is a course for all students in Grade 12 who are not enrolled in 111. It includes a study of Virginia and United States governmental systems.

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### **114 VA/US GOVERNMENT BASIC**

**Prerequisite: Grade 12**

This course is designed for students intending to go directly into the workforce upon graduating from high school. It offers a basic overview of the Virginia and United States governmental systems. It is not intended as a college preparatory course.

### **116 AP PSYCHOLOGY**

**Prerequisite: Grade 10/11/12**

Psychology is the study of the mind and behavior. In this course the student will learn about the human mind and how it works through such topics as personality, learning, development, and mental illness. This Advanced Placement course is the equivalent to a college course in introductory psychology. As it is a college equivalent course, there will be extensive reading and writing assignments in order to prepare the student for the AP exam.

### **117 PSYCHOLOGY I**

**Prerequisite: Grade 11/12**

This course introduces students to the diverse science of psychology by exposing them to units of study in learning, mental illness, intelligence, emotions, personality, and others.

### **106 U.S. & WORLD AFFAIRS – HONORS**

**Prerequisite: Previous History Honors Course; Grade 11/12; World History I & II**

U.S. & World Affairs is an elective course that focuses on the relationships between national and international events. Course topics include current international events, the United Nations, and current world conflicts. Conflict resolution, extensive group projects, weekly current events, and group discussion are major aspects of the course. World geography skills are strengthened.

### **418 COMPARATIVE RELIGION - HONORS**

**Prerequisite: Previous History Honors Course; Grade 11/12; World History I & II**

This is a course designed to introduce the student to study of the world's religions. It is both a historical and a theological investigation of Buddhism, Hinduism, Islam, Judaism, and Christianity, as well as several other traditions. Particular attention will be given to the origins, history, doctrines and present practices of the belief systems.

## ***Foreign Language***

### **131 FRENCH I**

**Prerequisite: None**

This is a French immersion style course where students are expected to begin applying their French knowledge immediately. Survival level language is developed with the aid of gestures, songs, and stories. Students will develop the necessary skills to hold a three-minute conversation and write paragraphs of text in the present and near future tense.

### **133 FRENCH II**

**Prerequisite: French I with recommended grade of C or higher**

This course builds on the skills from French I. Students will continue to use stories, songs, and gestures to advance their fluency and refine their accuracy. Students will expand their reading skills and create original stories. Students will begin communicating in the past tense.

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**135 FRENCH III**

**Prerequisite: French II with recommended grade of C or higher**

This course pushes students toward communicating complex ideas about life, culture, politics, feelings, and values. Students will be able to hold a paragraph length conversation and begin enjoying films. Students will give oral presentations in French. Students refine communication in the past tense and start to acquire conditional and an additional future tense.

**137 FRENCH IV - HONORS**

**Prerequisite: French III with recommended grade of A or B**

This course continues to develop the complexity established in French III. Students have moved beyond the task of actively learning French and are now using French to learn about the world. Students are expected to be an active participant in group conversations, lead presentations, and use writing for a variety of communicative tasks. Students will analyze literature and news. Through learning about the world students will develop fluency across all major tenses.

**939OL AP French V (Online course offered through Virtual Virginia)**

**Prerequisite: French IV - Honors with recommended grade of A or B; strong desire to continue studying French at the next level.**

This Advanced Placement course is French Language and will follow the AP curriculum guidelines.

**141 LATIN I**

**Prerequisite: None**

This course begins developing basic grammar and vocabulary of classical Latin. Students will also begin learning Latin phrases commonly used in English, as well as the pantheon and stories of Greco-Roman mythology.

**143 LATIN II**

**Prerequisite: Latin I with recommended grade of C or higher**

This course continues developing basic grammar and vocabulary of classical Latin. Students will also build their English vocabulary with words and phrases of classical derivation. The heroes of Greco-Roman mythology will also be studied.

**145 LATIN III**

**Prerequisite: Latin II with recommended grade of C or higher**

This course concludes the development of basic grammar and vocabulary with words and phrases of classical derivation. The genres of Greco-Roman epic and drama will also be studied.

**147 LATIN IV - HONORS**

**Prerequisite: Latin III with a recommended grade of A or B, or approval of the instructor**

This course provides an in depth look into the genre of Latin poetry, focusing on selected works of Catullus, Ovid and Horace.

**949OL AP LATIN V (Online course offered through Virtual Virginia)**

**Prerequisite: Latin IV - Honors with a recommended grade of A or B, or approval of the instructor**

This Advanced Placement course, or college-level course, will follow the AP syllabus' coverage of Virgil's Aeneid and Caesar's Gallic Wars.

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**151 SPANISH I**

**Prerequisite: None**

This course develops basic skills in listening, speaking, reading, and writing. The study of sounds, the building of vocabulary, the formal study of grammar, and the study of culture are included.

**153 SPANISH II**

**Prerequisite: Spanish I with a recommended grade of C or higher**

This course is a continuation of Spanish I and focuses on the study of grammar and vocabulary. Pronunciation, stress, and intonation are refined as students are encouraged to communicate in Spanish. The study of culture is included.

**155 SPANISH III**

**Prerequisite: Spanish II with a recommended grade of C or higher**

This course continues to develop the basic language skills as readings increase in length and difficulty. Oral presentations are emphasized. Students will also learn about culture and geography, with emphasis on Spain. This class is conducted in both Spanish and English.

**157 SPANISH IV - HONORS**

**Prerequisite: Honors criteria; Spanish III with a recommended grade of A or B**

This course continues to further develop the basic skills of speaking, reading, writing and comprehending. Students are expected to write and speak in Spanish. The class is conducted mostly in Spanish.

**959OL AP SPANISH V (online course offered through Virtual Virginia)**

**Prerequisite: Spanish IV - Honors with a recommended grade of A**

This college level course follows the AP Spanish curriculum outline.

***Health and Physical Education***

**171 HEALTH & PHYSICAL EDUCATION 9**

**Prerequisite: None**

This course includes a balance of health and first aid education and physical activities, which include individual, dual, and team sports. Emphasis is placed on physical fitness.

**173 HEALTH & PHYSICAL EDUCATION 10**

**Prerequisite: Health & Physical Education 9**

This course includes a balance of driver education, health, and physical activities. The classroom driver training includes thirty-six hours of instruction. *The in-car training is optional and requires payment of a fee; it is taught after school hours.*

**175 WEIGHT TRAINING 1**

**Prerequisite: Health & Physical Education 9 & 10**

Strength and weight training is designed to provide students with knowledge and techniques necessary to incorporate weights and other training/resistance devices safely and effectively into a personal fitness program. The course consists of lecture, demonstration, video, research and guided practice using free weights, stacked weights, plyometrics and other methods to enhance strength, endurance, speed, flexibility, and cardio respiratory fitness.

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**177 WEIGHT TRAINING 2**

**Prerequisite: Weight Training I with recommended grade of A or B, or approval of the instructor**

This course is a continuation of strength and weight training.

*Art and Music*

**181 ART I**

**Prerequisite: None**

This course involves beginning skills, art vocabulary, and becoming familiar with different types of art materials. Emphasis will be placed on art elements and principles, which are important to all art work. Areas covered include drawing, design, environment, art appreciation, sculpture, painting, printmaking, and communication.

**183 ART II**

**Prerequisite: Art I**

This course expands on the foundations covered in Art I.

**185 ART III**

**Prerequisite: Art II or approval of instructor**

This course focuses more closely on areas and media that have been taught in Art I & II. Experience in more advanced techniques and processes will be added. Students' interests and individual techniques will develop and expand with personal and independent studies that are encouraged through class projects and journal entries.

**187 ART IV**

**Prerequisite: Art III or approval of instructor**

This course provides in-depth studies in the areas of painting, sculpture, drawing, printmaking, commercial art, and art history as it relates to the student's work. Students will assemble a portfolio that represents their best work and may be used for admission to college or scholarship competition.

**188 ART - HONORS**

**Prerequisite: Honors Criteria & approval of instructor**

This course is more individualized and sometimes calls for independent study.

**190 BEGINNING PIANO**

**Prerequisite: Grade 10 - 12**

This course is a beginning piano course designed to teach the skill of playing the piano and reading music in a class setting. This course is limited to 10 students per class. Students must be willing to stay after school for practice time unless there is an instrument at home for them to practice. School keyboards will not be allowed to leave the building. All materials/music books and a classroom instrument will be provided for the class. Students do need to provide a set of headphones so that they can work individually as well as in a group setting. The headphones will need to have the appropriate jack to plug into the keyboard. The teacher will provide more information at the beginning of the course.

**189 INTERMEDIATE PIANO**

**Prerequisite: Beginning Piano**

This course is a continuation of the Beginning Piano course.

## COLONIAL HEIGHTS HIGH SCHOOL PROGRAMS AND COURSES

### **192 BEGINNING BAND**

**Prerequisite: None**

This course is for any student interested in learning to play an instrument. No experience is necessary. After school rehearsals and performances are required as part of the course.

### **191/193/195 ADVANCED BAND**

**Prerequisite: Membership in CHHS/CHMS Band**

This course is for all instrumental and percussion players. Students will be placed in the appropriate ensemble (Concert, Symphonic, and Percussion) by the Director. After school rehearsals and performances, that are specified by the Director, are required as part of the course. Students with no previous band experience but wish to join should see the Director.

### **197 CHORUS**

**Prerequisite: None**

This course for voice training stresses the fundamentals of music and singing. Out-of-class rehearsals and performances which are specified by the teacher are required and count as quiz and test grades.

### **199 BEGINNING MUSIC THEORY**

**Prerequisite: None**

This course is designed to help students develop a solid foundation for understanding music theory to prepare them for theory courses in college, AP Music Theory, and composition of music. It is not a performance class, but it is an essential knowledge course to all students who wish to pursue musical performance and/or musical composition either as a vocation or an avocation.

### **520 MUSIC COMPOSITION**

**Prerequisite: None**

Students will learn basic music theory and write their own compositions using technology that is available through Google and the Keyboard lab instruments. They will explore the process of making demo tapes to share their music and writing out music on paper to share with possible publishers and other musicians. Students will work at their own pace and in different styles with a goal of putting their own musical ideas to work.

## ***Drama & Speech***

### **201 DRAMA I**

**Prerequisite: None**

This course gives the student an overall view of the Dramatic Arts and its function in the student's everyday life. It includes a study of theater games, acting skills, and techniques, including mime, improvisation, and character development. In addition, the student will study forms of theater, a history of theater production, and technical terminology.

### **203 DRAMA II**

**Prerequisite: Drama I**

This course advances the principles established in Drama I. The central focus is on acting techniques, styles and disciplines. Active participation and consistent attendance are expected. Review of the technical terms and principles and includes an in-depth study of the Renaissance.

COLONIAL HEIGHTS HIGH SCHOOL  
PROGRAMS AND COURSES

**205 THEATER PRODUCTIONS**

**Prerequisite: Drama I**

This course is designed to broaden the students' experiences with production aspects, stage settings, costuming, make-up, sound, lighting, design, and painting techniques, as well as develop skills in the crafts of the theater through practical application.

**207 ADVANCED THEATER ARTS**

**Prerequisite: Drama II**

This course will allow students to continue with the skills introduced in Drama II and includes a study of playwriting and vocal and style formation. Students will study and perform various theatrical styles from 19<sup>th</sup> and 20<sup>th</sup> century theatre. Active participation and consistent attendance are expected.

**209 SPEECH I**

**Prerequisite: None**

This course includes a study of different types of speeches and develops the student's ability to speak in public. Active participation is mandatory.

***Journalism***

**213 JOURNALISM I**

**Prerequisite: None**

This course is a hands-on class with students publishing the school newspaper. Students learn to write a variety of articles, edit, take photos, conduct interviews and complete lay-out design. Students are expected to have strong written and verbal skills, as well as the ability to work independently.

**215 JOURNALISM II**

**Prerequisite: Journalism I**

This course is a continuation of Journalism I. Students publish the school paper and are expected to work independently in class and outside of class to manage time, meet deadlines, and produce quality copy for the newspaper. Students learn to proof and revise their own and peer work.

**216 JOURNALISM III**

**Prerequisite: Journalism II**

This course is a continuation of Journalism II. Students work as the editors as they help publish the school newspaper. Students learn to make editorial decisions regarding copy, photography, and layout, as well as help manage staff assignments and deadlines, and mentor new journalism students.

**217 JOURNALISM IV**

**Prerequisite: Journalism III**

This course is a continuation of Journalism III. Students work as the editors as they help publish the school newspaper. Students learn to make editorial decisions regarding copy, photography, and layout, as well as help manage staff assignments and deadlines, and mentor new journalism students.

**219 PHOTOJOURNALISM (YEARBOOK)**

**Prerequisite: Approval of Instructor**

This is a course for the school yearbook staff. Students learn principles of copy writing, editorial design, layout, graphics, and photography skills.



COLONIAL HEIGHTS HIGH SCHOOL  
PROGRAMS AND COURSES

*Other Electives*

**505 CHHS SEMINAR**

**Prerequisite: None**

Students will learn to become better students by improving their study, organization, life and communication skills. Students will also work on their reading comprehension skills. They will learn school policies, procedures and opportunities. Students will participate in school-wide and community service projects.

**506 SENIOR SEMINAR**

**Prerequisite: Grade 12**

This course will address the needs of college bound high school seniors, including the college application process, scholarship applications, research skills, and other activities to help students learn the skills to become more successful at the college level.

**508 POWER RESEARCH & TECHNOLOGY - HONORS**

**Prerequisite: College bound; Grade 12; English 11 Honors**

This course is designed for the college bound student who would like to strengthen their research and technology skills. Units will consist of self-directed information literacy or literature modules designed to guide students through the research process and enhance their technology skills. Projects will include; college applications and essays, annotating resources on a topic, creating a Website, evaluating research methods and sources, creating a blog, and various other advanced research skills.

**601 SAT PREP**

**Prerequisite: Grade 11; College-bound student**

This course is designed to help prepare college-bound juniors to take the SAT test prior to their senior year. Students will learn how to earn better SAT scores, including test taking strategies and other resources available to students.

***Dual Enrollment Courses (Richard Bland College/John Tyler Community College)***

**415DE SOCIOLOGY**

**Prerequisite: Junior or Senior Status; 3.0 GPA; Cost of tuition and books; Completed RBC Application**

This course is taught by a Richard Bland College professor in an online format. The class meets at CHHS during first block on an A/B schedule. Students enrolled in this course will take Soc 201 first term and Soc 204 second term. Students will earn one high school credit for taking the class both terms. Three college credits are earned each term as awarded by Richard Bland College. Tuition is due in August and again in January.

**417DE WESTERN CIVILIZATIONS**

**Prerequisite: Junior or Senior Status; 3.0 GPA; Cost of tuition and books; Completed RBC Application**

This course is taught by a Richard Bland College professor in an online format. The class meets at CHHS during first block on an A/B schedule. Students enrolled in this course will take His 101 first term and His 102 second term. Students will earn one high school credit for taking the class both terms. Three college credits are earned each term as awarded by Richard Bland College. Tuition is due in August and again in January.

## COLONIAL HEIGHTS HIGH SCHOOL PROGRAMS AND COURSES

### **419DE MUSIC APPRECIATION**

**Prerequisite: Junior or Senior Status; 3.0 GPA; Completed RBC Application**

This course is taught by a CHHS faculty member, Mrs. Cynthia Breckenridge and is free to CHHS students. The course will meet at CHHS for one term. Students will take Music 103 through Richard Bland College and will earn three college credits upon successful completion. Students will earn one high school credit for taking the class. This course is important in the general education of the college student who is not a music major. The course provides the foundation for a lifetime of a broadening of experiences in the enjoyment of music. The course provides the elements, structure, and history of music with major emphasis on developing listening skills and acquiring a basic repertoire of varied examples of music.

### **420DE FITNESS, WELLNESS AND CROSS TRAINING**

**Prerequisite: Junior or Senior Status; 3.0 GPA; Completed RBC Application**

This course is taught by a CHHS faculty member, Mr. Tim Ralph and is free to CHHS students. The course will meet at CHHS for one term. Students will take PE 120 through Richard Bland College and will earn two college credits upon successful completion. Students will earn one high school credit for taking the class. The course is designed to establish a clear understanding of basic concepts of wellness, and to adapt and maintain a program of prescribed physical activity.

### **421DE COLLEGE COMPOSITION I & II**

**Prerequisite(s): English 11 Honors with a grade of an A or a B; Qualifying score on JTCC placement tests; Completed JTCC Dual Enrollment Application**

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 include exposition and argumentation with at least one researched essay. The course then 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. The course requires students to locate, evaluate, integrate, and document sources and effectively edit for style and usage.

### **423DE STATISTICS**

**Prerequisite(s): Algebra II; Qualifying score on JTCC placement tests; Completed JTCC Dual Enrollment Application**

Presents elementary statistical methods and concepts including descriptive statistics, estimation, hypothesis testing, linear regression, and categorical data analysis.

### **424DE VA TEACHERS FOR TOMORROW**

**Prerequisite: Junior or Senior Status; 3.0 GPA; Completed RBC Application**

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 classroom and field experience; and reflect on their teaching experiences. There is a required internship at a Colonial Heights elementary or middle school. Students will need to provide their own transportation to the internship placement.

COLONIAL HEIGHTS HIGH SCHOOL  
PROGRAMS AND COURSES

*Trade & Technical*

**221 AUTOMOTIVE TECHNOLOGY I**

**Prerequisite: Grade 10 or 11; 16 years of age as of October 1**

The first year consists of a one block introductory course of study. Students learn basic aspects of hand/power tools, basic repair, safety, and customer service by concentrating on the (ASE/NATEF) Automotive Service Excellence/National Automotive Technicians Education Foundation area of Maintenance and Light Repair (MLR).

**223 AUTOMOTIVE TECHNOLOGY II (2 Credits)**

**Prerequisite: Automotive Technology I**

Building on knowledge and skills learned in Automotive Technology I, students continue implementation of all the aspects of repair, safety, and customer service by concentrating on the first four primary ASE/NATEF certified areas i.e. (Brakes, Electrical/Electronics, Engine Performance and Suspension/Steering) and Engine Repair on the MLR level. Students who successfully complete these modules will be prepared to take the respective ASE/NATEF student exams.

**Club affiliation: Required, Skills USA-Automotive, dues \$25.00**

**225 AUTOMOTIVE TECHNOLOGY III (2 Credits)**

**Prerequisite: Automotive Technology II**

This course is a continuance of Auto Tech II with implementation of all the aspects of repair, safety, and customer service by concentrating on the second four primary ASE/NATEF certified areas i.e. (Heating and Air Conditioning, Manual Drive Train/Axles, Automatic Transmission/Transaxle and completion of MLR). The task for this capstone course represent the middle-tier standards of the National Automotive Technician's Education Foundation's (NATEF's) Automotive Service Technology accredited program. Students who successfully complete this course will be prepared to take the respective ASE/NATEF students exams. Along with the successful completion of this program the students that has reached the age of 18 years of age will have the opportunity to take the Virginia State Inspection License exam, and will be prepared for postsecondary education opportunities.

**Club affiliation: Required, Skills USA-Automotive, dues \$25.00**

**233 ELECTRICITY II (2 Credits)**

**Prerequisite: Electricity I**

The second year of electricity continues to study direct, and alternating current (AC/DC), industrial electricity, and motors, as related to practical laboratory work in home, and industrial wiring. All projects include applied math, theory, and fundamentals in the field of electricity.

**Club affiliation – Recommended, Skills USA-Electricity, dues \$25**

**Required – Steel toed safety boots, student pays \$10**

**251 EARLY CHILDHOOD EDUCATION I (2 Credits)**

**Prerequisite: Grade 10-12**

This course meets every day, all year, and prepares students to be primary providers for home, family, or institution-base child care services. Students focus their study on the planning, organizing, and conducting of meaningful play and learning activities, child monitoring and supervision, record keeping, and career opportunities.

**Club affiliation: Co-curricular, FCCLA, \$15 recommended**

## COLONIAL HEIGHTS HIGH SCHOOL PROGRAMS AND COURSES

### **253 EARLY CHILDHOOD EDUCATION II (2 Credits)**

**Prerequisite: Early Childhood Education I**

This course meets every day, all year, and allows students to further develop their skill development begun in the previous course. A one semester internship at a local day care facility or elementary school is included.

**Club affiliation: Co-curricular, FCCLA, \$15 recommended**

### **255 CULINARY/PROSTART I (2 Credits)**

**Prerequisite: Grade 10/11**

This course meets every day, all year, and allows students to develop skills that are necessary for the food service industry. Some of those skills include teamwork, sanitation, and public speaking. The ProStart program also includes in the first year basic measurements, accounting, recipe conversion, equipment and kitchen tool identification.

**Club affiliation: Recommended, FCCLA, dues \$20**

### **261 CULINARY/PROSTART II (2 Credits)**

**Prerequisite: Culinary/Prostart I**

This course meets every day, all year. Students will reinforce all material that was learned from Culinary I. Students will learn more about the history of food service and critical chefs that shaped the culinary world. They will learn further about foods such as legumes, pastas, and yeast breads. Students will build upon the math skills practiced in year one and go further with accounting and marketing. Students will prepare for the “Creative Café” which puts them into a realistic environment of restaurants.

**Club affiliation: Recommended, FCCLA, dues \$20**

### **263 CULINARY/PROSTART III (2 Credits)**

**Prerequisite: Culinary/Prostart I & II**

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

**Club affiliation: Recommended, FCCLA, dues \$20**

### **269 INTRODUCTION TO NURSING**

**Prerequisite: Grade 10/11**

This explores the language of healthcare, medical terminology, and body systems as foundational information for further healthcare studies. Underclassmen who successfully complete this course are eligible for the full year basic nursing course.

### **270 NURSE AIDE (2 Credits)**

**Prerequisite: Grade 11-12; Parental permission; No criminal background**

This is a course of theory, lab, and clinical designed to guide students in acquiring competency in basic nursing care knowledge and skills and to prepare students for eligibility to take the Virginia Board of Nursing exam for licensure as a Certified Nurse Aide. To be successful, students must be willing to complete extensive course work and classroom/lab and clinical portions must be passed to complete the course. Second to take the State Board licensure exam, a student MUST successfully complete all clinical hours in addition to passing classroom requirements.

**Club affiliation: Required, HOSA, dues \$25 plus \$30 course fee**

COLONIAL HEIGHTS HIGH SCHOOL  
PROGRAMS AND COURSES

***Technical Design & Illustration***

**331 TECHNICAL DRAWING/DESIGN**

**Prerequisite: None**

This course is designed for any student interested in a career that involves technical drawing and the utilization of any type of CAD (Computer Aided Drafting) design software. That includes: drafter, architect, interior designer, machine parts designer, product designer, engineer, and many more. Our main software platforms will be AutoCAD, SketchUp, and some exploration into Inventor. This course has the beginner drafter in mind. No prior knowledge of drafting is assumed. Topics include, but are not limited to: single-view drawings, orthographic drawings, isometric drawings, and 3D modeling.

**Club affiliation: Recommended, TSA, dues \$20**

**333 ARCHITECTURAL DRAWING/DESIGN**

**Prerequisite: Engineering Drawing/Design**

This course is designed for any student interested in a career that involves technical drawing and the utilization of any type of CAD (Computer Aided Drafting) design software. That includes: drafter, interior designer, rendering, architect, and many more. Our main software platforms will be AutoCAD, SketchUp, and Revit. This course has the intermediate drafter in mind. Some prior knowledge of drafting is assumed. Topics include, but are not limited to: architectural styles, principles of design, floor plans, elevations, perspectives, rendering, design process, estimating, green building.

**Club affiliation: Recommended, TSA, dues \$20**

**335 ENGINEERING DRAWING/DESIGN**

**Prerequisite: Technical Drawing/Design**

This course is designed for any student interested in a career that involves technical drawing and the utilization of any type of CAD (Computer Aided Drafting) design software. That includes: drafter, machine parts designer, product designer, engineer, and many more. Our main software platforms will be AutoCAD and Inventor. This course has the intermediate drafter in mind. Some prior knowledge of drafting is assumed. Topics include, but are not limited to: engineering process, sectional views, solid 3D modeling, sheet metal drawings, exploded views, mechanical drawings.

**Club affiliation: Recommended, TSA, dues \$20**

***Design & Technology***

**341 TECHNOLOGY FOUNDATIONS**

**Prerequisite: None**

This course allows students to acquire a foundation in technological material, energy and information, and apply processes associated with the technological thinker. Challenged by laboratory activities, students create new ideas and innovations, build systems, and analyze technological products to further understand how and why technology works. Introduction of 3D manufacturing, coding and gaming skills. Students are introduced to robotic design and engineering. They work in groups to build and control systems with engineering in the development of a technology.

**Club affiliation: Recommended, TSA, dues \$20**

## COLONIAL HEIGHTS HIGH SCHOOL PROGRAMS AND COURSES

### **343 TECHNOLOGY TRANSFER**

#### **Prerequisite: Technology Foundations**

Students work with a variety of computers, materials and systems to improve their skills and knowledge. Groups, working together, apply math, science and communication concepts, on a project that combines systems such as production, energy, communication, transportation, and other technologies. Thematic activities engage students in problems where they transfer the technological method to various environmental and industrial applications. Students turn mental concepts into 3 dimensional physical objects using 3D printing.

**Club affiliation: Recommended, TSA, dues \$20**

### **348 TECHNOLOGY OF ROBOTIC DESIGN**

#### **Prerequisite: Technology Transfer**

Students engage in the study of computers and microprocessors and their applications to manufacturing, transportation, and communication systems. Topics include computer equipment and operating systems, robotics, programming, control systems, and social/cultural impact of these technologies. Problem-solving activities challenge students to design, program, and interface devices with computer systems. Learning activities include robotics, computer-aided design, computer aided manufacturing and design, and control of electromechanical devices and 3D printing.

**Club affiliation: Recommended, TSA, dues \$20**

## ***Business & Marketing***

### **307 PRINCIPLES OF BUSINESS & MARKETING**

#### **Prerequisite: None**

Students explore the roles of business and marketing in the free enterprise system and the global economy. They study how the American economy operates and prepare to make decisions as consumers, wage earners and citizens.

**Club affiliation – Recommended, FBLA, dues \$20**

### **311 FASHION MARKETING**

#### **Prerequisite: Grade 10-12**

In this specialized course, students gain basic knowledge of the apparel and accessories industry necessary for successful employment in apparel businesses. Students develop general marketing skills necessary for successful employment in fashion marketing, general marketing skills applicable to the apparel and accessories industry, and specialized skills unique to fashion marketing. Personal selling, sales promotion, purchasing, physical distribution, marketing planning, and product/service technology as well as academic skills (mathematics, science, English, and history/social science) related to the content are part of the course. Computer/technology applications supporting this course are studied.

The cooperative education method is available for this course for juniors and seniors. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. Students must obtain/work a minimum number of hours in a soft-goods retail business and record these hours and job tasks in a job journal. Most students are released early from school and transportation to the job-site is the student's responsibility.

**Club Affiliation: Recommended, co-curricular, DECA, dues \$25**

## COLONIAL HEIGHTS HIGH SCHOOL PROGRAMS AND COURSES

### **312 ADVANCED FASHION MARKETING**

**Prerequisite: Fashion Marketing; Grades 11-12**

Students with a career interest in apparel and accessories marketing gain in-depth knowledge of the apparel and accessories industry and skills important for employment in apparel businesses. They develop advanced skills unique to fashion marketing and advanced general marketing skills applied to the apparel and accessories industry. Professional selling, sales promotion, buying, merchandising, marketing research, product/service technology, and supervision as well as academic skills (mathematics, science, English, and history/social science) related to the content are part of this course. Computer/technology applications supporting this course are studied.

The cooperative education method is available for this course for juniors and seniors. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. Students must obtain/work a minimum number of hours in a soft-goods retail business and record these hours and job tasks in a job journal. Most students are released early from school and transportation to the job-site is the student's responsibility.

**Club Affiliation: Recommended, co-curricular, DECA, dues \$25**

### **313 MARKETING**

**Prerequisite: Grade 10-12**

Students examine activities in marketing and business important for success in marketing employment and postsecondary education. Students will learn how products are developed, branded, and sold to businesses and consumers. Students will analyze industry trends and gain hands-on experience in the marketing of goods, services, and ideas. Topics will include professionalism in the workplace, product planning and positioning, promotion, pricing, selling, economic issues, and the impact of technology on the marketplace. This course reinforces mathematics, science, English, and history/social science Standards of Learning (SOL). Computer/technology applications and DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events.

**Club Affiliation: Recommended, co-curricular, DECA, dues \$25**

### **314 MARKETING CO-OP**

**Prerequisite: Grade 11-12**

The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. Students must obtain/work a minimum number of hours in a retail business and record these hours and job tasks in a job journal. Most students are released early from school and transportation to the job-site is the student's responsibility.

**Club Affiliation: Recommended, co-curricular, DECA, dues \$25**

### **315 ADVANCED MARKETING**

**Prerequisite: Marketing**

Students build on knowledge gained in prior Marketing course. Students participate in supervisory and management activities focusing on the marketing mix, purchasing, financing, human resources, global marketing, pricing, and emerging technologies. Students will prepare for advancement in marketing careers and postsecondary education. This course reinforces mathematics, science, English, and history/social science Standards of Learning (SOL). Computer/technology applications and DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events.

**Club Affiliation: Recommended, co-curricular, DECA, dues \$25**

## COLONIAL HEIGHTS HIGH SCHOOL PROGRAMS AND COURSES

### **316 ADVANCED MARKETING CO-OP**

#### **Prerequisite: Marketing**

The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. Students must obtain/work a minimum number of hours in a retail business and record these hours and job tasks in a job journal. Most students are released early from school and transportation to the job-site is the student's responsibility.

**Club Affiliation: Recommended, co-curricular, DECA, dues \$25**

### **357 KEYBOARDING APPLICATIONS**

#### **Prerequisite: None**

Students review alphabetic, numeric, and symbolic information on a keyboard. Students apply keyboarding skills to produce a variety of personal and business documents.

**Club affiliation – Recommended, FBLA, dues \$20**

### **353 COMPUTER INFORMATION SYSTEMS (CIS)**

#### **Prerequisite: Keyboarding Applications**

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 and concepts and emerging technologies.

**Club affiliation – Recommended, FBLA, dues \$20**

### **363 ADVANCED COMPUTER INFORMATION SYSTEMS (ACIS)**

#### **Prerequisite: Computer Information Systems**

Students apply problem-solving skills to real-life situations through advanced and integrated software applications. Students work individually and in groups to accomplish a variety of tasks using both application software and the World Wide Web. Students will also be able to earn a Microsoft Office Specialist certification in a specific Office program. The Microsoft Office Specialist (MOS) certification is one of the leading IT certification in the world.

**Club affiliation – Recommended, FBLA, dues \$20**

### **358 ACCOUNTING**

#### **Prerequisite: Keyboarding skills**

This course allows students to learn the basic principles, concepts, and practices of the accounting cycle. Using a manual and an electronic system, the students learn fundamental accounting procedures.

**Club affiliation – Recommended, FBLA, dues \$20**

### **359 ADVANCED ACCOUNTING**

#### **Prerequisite: Accounting**

Students continue to study the concepts and practices from the first Accounting course at a more advanced level. They learn accounting principles for departmentalized accounting, payroll, depreciation, inventory, accounting control systems, adjustments, and financial statements.

**Club affiliation – Recommended, FBLA, dues \$20**

### **365 DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES**

#### **Prerequisite: Keyboarding skills**

Students develop proficiency in designing and creating desktop-published projects, multimedia presentations/projects, and Web sites, using industry-standard application software. Students apply principles of layout and design in completing projects. Students create portfolios that include a resume and a variety of desktop-published, multimedia, and Web-site projects produced in the course.

**Club affiliation – Recommended, FBLA, dues \$20**



## COLONIAL HEIGHTS HIGH SCHOOL PROGRAMS AND COURSES

### **461 INTRODUCTION TO EDUCATION FOR EMPLOYMENT**

This course introduces students to the concept of work and the process of making informed career and continuing education choices. These choices are required to successfully transition to workplace-communication, self-awareness, self-advocacy, customer-service, and life skills.

### **463 EDUCATION FOR EMPLOYMENT CO-OP (3 Credits)**

#### **Prerequisite – 16 yrs. of age**

The primary purpose of the Education for Employment is to assist students in developing the skills, knowledge and attitudes required to make them employable or capable of seeking further education and training. The program will provide experiences that will help students make informed and meaningful occupational choices. The goal of the program is to increase employment opportunities for students and strengthen their social skills.

### ***Required Electives***

### **361 FINANCE & ECONOMICS**

#### **Prerequisite: Recommended for Grade 11/12**

This course is required for both the Standard Diploma and the Advanced Studies Diploma, beginning with students entering the 9<sup>th</sup> grade during the 2011-2012 school year (Graduating class of 2015). Students will learn how to navigate the financial decisions they must face and to make informed decisions related to career exploration, budgeting, banking, credit, insurance, spending, taxes, saving, investing, buying/leasing a vehicle, living independently, and inheritance. Development of financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship and career success.

### **600OL APEX**

#### **Prerequisite: Enrollment in an AP course**

This course is required for any student taking an AP course (except AP Music Theory and AP Latin V). It is designed to allow students the opportunity to review and prepare for their AP exams in May. The APEX class uses an online program with resources and course review related to the AP curriculum. Students that do not wish to take the AP exam must turn in a signed contract in order to be exempt from the APEX course.

### ***Virtual/Online Courses***

*These courses are offered for students with scheduling conflicts who are unable to take the available course in the traditional classroom setting. Online courses are based on availability from the course provider, and are subject to a limited student enrollment.*

### **920OL CREATIVE WRITING**

This course is an introduction to the major genres of creative (imaginative) writing, including fiction, poetry, drama, and personal essay (creative nonfiction). The class will examine the creative process through experimentation with a variety of creative exercises. The types of experimental writing will examine the formal, technical elements of fiction, poetry, and drama. In addition, the course will feature reading, analyzing, and critiquing a variety of literacy examples, including the student's writing. The course members will compose stories, poems, and dramatic scenes. Finally, this course will prepare the student for more advanced work in creative writing, including fiction and poetry writing.

## COLONIAL HEIGHTS HIGH SCHOOL PROGRAMS AND COURSES

### **925OL WORLD MYTHOLOGY**

The purpose of this class is to introduce students to the origins and meaning of myths, and the major themes, stories, characters, and archetypes present in the mythologies of several different cultures. The course will concentrate on Greek and Roman mythology, but will also include material from Norse, Celtic, Egyptian, African, Eastern, and Native American mythology. The course will be taught using an interdisciplinary approach that considers literacy and artistic themes from diverse perspectives including theology, sociology, anthropology and history.

### **962OL AP ART HISTORY**

**Prerequisite: Previous AP course with recommended grade of A**

This course is designed to provide the student with an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is the fundamental tool of the art historian, art history also emphasizes understanding works in context, considering such issues as patronage, gender, and the functions of and effects of works of art. Student work will be required outside of class time.

### **965OL AP ENVIRONMENTAL SCIENCE**

**Prerequisite: Honors criteria; Biology I and Chemistry with recommended grade of A or B**

Advanced Placement Environmental Science is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

### **966OL AP COMPUTER SCIENCE**

**Prerequisite: Previous AP course, Algebra II Honors, with recommended grade of A or B**

The purpose of AP Computer Science A is to lay the foundation for object-oriented programming. The course aims at teaching the students computer science concepts. Java is used as the vehicle to teach them. The focus is more on the concepts and abstract ideas rather than on the syntax. The course is about design of classes, algorithms, programming techniques and introduction to data structures like arrays and array lists. Students will spend 2 to 3 days a week studying the course materials and the textbook and the rest of the week working on the lab. Student work will be required outside of class time.

### **967OL CALCULUS BC**

**Prerequisite: Calculus AB**

Calculus BC is a course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. Both courses represent college-level mathematics for which most colleges grant advanced placement and credit. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB. Before studying calculus, students must be familiar with the properties of functions, the algebra of functions, and the graphs of functions. Students must also understand the language of functions (domain and range, odd and even, periodic, symmetry, zeros, intercepts, and so on) and know the values of the trigonometric functions of the numbers 0,  $\pi/6$ ,  $\pi/4$ ,  $\pi/3$ ,  $\pi/2$ , and their multiples.