

BATH COUNTY SCHOOL BOARD

AGENDA ITEM: INFORMATION { } ACTION { X } CLOSED MEETING { }

SUBJECT: SUPERINTENDENT’S REPORT - ACTION

BCHS 2012-13 Program of Studies

BACKGROUND: The 2012-2013 BCBS Program of Studies Reflects the changes presented by Sarah Rowe at the December 6, 2011 Board meeting.

RECOMMENDATION: Approval is recommended to allow budget considerations, the development of student academic plans and an earlier completion of the BCBS master schedule.

BATH COUNTY HIGH SCHOOL
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“The Best Small High School in Virginia”

TO: Sue Hirsh, Superintendent
Bath County Schools

FROM: Sarah Rowe, Principal
Bath County High School

DATE: December 6, 2011

RE: Suggested changes to the 2012-2013 Program of Studies

- **Require all 8th graders to take Keyboarding Applications/Word Processing**
 - *Rationale:* As the SOL writing test goes to an online format students will be need to have the keyboarding and word processing skills for completion.
- **Restructure Exploratory: Our current exploratory rotation only includes Band, Carpentry and Culinary classes with a study skills and career component. The new model would include 4.5 weeks of each CTE class and continue to offer the study skill and career exploration component.**
 - *Rationale:* Students would gain a broader range of what the Career and Technical School has to offer.
- **Discontinue the offering of Spanish 1 and Industrial Maintenance Technology 1 to 8th graders.**
 - *Rationale:* Requiring all 8th graders to take Keyboarding Applications/Word Processing would limit elective choices to band or exploratory decreasing our numbers in Spanish and the need for an additional teaching period. This also helps fill schedules later for students to work toward a seven period day.
- **Remove Nutrition and Wellness and Family Relations/Parenting from the program of studies.**
 - *Rationale:* We no longer have a teacher certified to provide these classes.
- **Change the name of Auto Mechanics to Auto Servicing**
 - *Rationale:* To align with the DOE description of the course
- **Require all students who are on “Work Release” to qualify for the Industrial Co-Operative Training Program.**
 - *Rationale:* This gives the school concrete documentation of student employment and allows students to earn credit for their employment.
- **Require all students to complete community service hours as a local requirement for graduation.**
 - *Rationale:* Students will have the opportunity to build positive relationships with a wide range of the community. In addition, most Virginia colleges look for a community service component on perspective applications.

Bath County High School Program of Studies

Dear BCHS Students and Parents:

To follow is the 2012-2013 edition of the Bath County High School Program of Studies. Throughout the following pages you will find a wide array of opportunities which we hope will open up the pathway to post-secondary career plans. These courses provide an avenue towards college, vocational schools, military and various careers. All students are expected to take 7 courses each year. Those seniors who are employed and wish to leave for employment purposes will need to have their requests approved by me.

It is essential that all students pay particular attention to the outlined graduation and SOL requirements. The Virginia Department of Education has mandated many changes over the last few years. If any of this information is unclear, please feel free to contact Ms. Hiner or Mrs. DeBoe, BCHS Counselors for assistance.

As we prepare our students for their demanding futures please remember that the graduation requirements are only the minimum expectation and do not take full advantage of the rich course offerings here at Bath County High School. Colleges, universities, trade schools and employers are all seeking students who are lifelong learners. Every student should require themselves to build the strongest academic foundation possible. Students should also vigorously pursue the elective opportunities made available to them, especially those in our Career and Technical Education programs. Most of these programs lead to industry certification.

Our course selection plan is as follows:

1. Each student will meet with either Ms. Hiner or Mrs. DeBoe to discuss their plans after high school and course selections.
2. The student will take a copy of the suggested courses home for parents and guardians to review. Changes to course selections may be made at this time.
3. The document will be signed by parent and student and then returned to the Guidance Office.

Every effort will be made to provide the courses the student and parents have selected. However, demand for courses may cause students to be moved to other selections on their course selection sheet. Also, graduation requirements will be adhered to so that each student will have the same opportunity to graduate with the diploma type they wish to pursue.

Thank you for your interest in and support of Bath students and Bath County High School.

Sincerely,



Sarah Rowe, Principal

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Bath County High School Mission Statement

The mission of Bath County High School is to provide a nurturing, accepting environment that recognizes individual qualities and needs and enables students to become self-directed, and lifelong learners.



PROGRAM OF STUDIES

Introduction

As part of the changes mandated by the Department of Education, beginning with last year's 8th grade class, each student will have an Academic & Career plan on file with the Guidance Office. Beginning in 7th grade students begin mapping out their high school and future plans. Ultimately, during the 8th grade we capture this formally in the student's Academic and Career Plan. Each year goals change and new interests develop. Therefore the Academic & Career plan is a document that changes with the plans of the student and their parents. Students are encouraged to work on this with their parents. Activities are presented each year to assist the student in preparing for their future career path such as a Career and College Fair, career interest inventories, a research paper dealing with the student's area of choice, creating a resume and potential field trips to college and vocational centers.

To follow is a listing of the courses that BCHS offers and the course description. As part of the new process for scheduling we will also be incorporating a more formalized Academic & Career Plan. Also, the Department of Education has created new outlines and requirements for new diploma types and credits required for these diplomas. We have listed these requirements for your reference.

BATH COUNTY HIGH SCHOOL
COURSE OFFERINGS BY GRADE LEVEL

8TH GRADE

English 8 or English 8 Advanced Studies
World Geography
Math 8 or Algebra I
Physical Science 8
Keyboarding Applications/Word Processing (required)
PE 8

ELECTIVES:

Band
Exploratory Rotation

9TH GRADE

English 9 or English 9 Advanced Studies
World Geography
World History I
Economics and Personal Finance
Math 8
Algebra I
Geometry
Earth Science
PE 9

ELECTIVES:

Spanish I
Design, Multimedia and Web Technologies
Technical Drawing and Design
Carpentry I
Art I
Culinary Arts I

Keyboarding App/Word Processing
Communication Systems
Auto Servicing I
Industrial Maintenance Tech I
Band

10TH GRADE

English 10 or English 10 Advanced Studies
World History I
World History II
Algebra I
Geometry

Algebra Functions & Data Analysis
Algebra II
Biology
PE 10 (includes Drivers Education)

ELECTIVES:

Spanish I or II
Sociology/Economics
Design, Multimedia and Web Technologies
Accounting
Computer Information Systems
Finance
Office Administration
Culinary Arts I

Communication Systems
Graphic Communication Systems
Technical Drawing and Design
Engineering Drawing and Design
Auto Servicing I or II
Carpentry I or II
Industrial Maintenance Technology I or II
Band
Art I or II
Keyboarding Applications/Word Processing
Economics and Personal Finance

11th GRADE

English 11 or English 11 Advanced Studies
VA/US History
Algebra I
Geometry
Algebra Functions & Data Analysis
Algebra II

Discrete Mathematics
Math Analysis (Pre-Calculus)
Earth Science II
Chemistry
Physics
VA/US History (AP)

ELECTIVES:

Spanish I, II, or III
Graphic Communications Systems
Engineering Drawing and Design
Carpentry I, II or III
Art I, II or III
Sociology/Economics
Keyboarding Applications/Word Processing
Accounting
Principles of Business Marketing
Finance
Culinary Arts I, II
Advanced Computer Information Systems

Communications Systems
Technical Drawing and Design
Auto Servicing I, II or III
Industrial Maintenance Tech. I, II or III
Band
Entrepreneurship/Leadership
Design, Multimedia and Web Technologies
Advanced Accounting
Business Management
Office Administration
Computer Information Systems
Economics and Personal Finance

12th GRADE

English 12 or English 12 Advanced Studies
VA/US Government
Algebra I
Geometry
Algebra Functions & Data Analysis
Algebra II
Discrete Mathematics

Math Analysis (Pre-Calculus)
AP Calculus
Earth Science II
Chemistry
Physics
AP Biology (Virtual Virginia)

ELECTIVES:

Spanish I, II, III or IV
Keyboarding Applications/Word Processing
Accounting
Principles of Business Marketing
Culinary Arts I or II
Advanced Computer Information Systems
Graphic Communication Systems
Engineering Drawing and Design
Carpentry I, II, III
Industrial Maintenance Technology I, II, III
Band
Economics and Personal Finance
DSLCC Dual Enrollment (Political Science, Speech, Psychology, Business and Welding)

Sociology/Economics
Design, Multimedia and Web Technologies
Advanced Accounting
Business Management
Computer Information Systems
Communications Systems
Technical Drawing and Design
Auto Servicing I, II, III
Cabinetmaking I/II
Industrial Cooperative Training
Art I, II, III

ACADEMIC COURSES

ENGLISH

ENGLISH 8 - 0 Credit

Students will have an understanding of the parts of speech and how they are applied. Students will apply these skills to writing logically organized papers. Students will also obtain knowledge of literary terms and apply these to the analysis and evaluation of poetic and literary works. Students will read a minimum of four novels throughout the term and be evaluated on the basis of tests, oral reports, and written compositions.

Prerequisite: None

Grade: 8

ADVANCED STUDIES ENGLISH 8 - 0 Credit

Students in English 8 AS will master the same skills as students in English 8 with the addition of college-level vocabulary, critical thinking skills, and major literary works. (Students are expected to have mastered the eight basic parts of speech upon entering the class and will be tested on this material within the first semester.) Students will read outside novels thematically linked to classroom activities taken from contemporary adolescent literature. Students will complete a research paper using the MLA format from the Writers Inc textbook, which students must purchase. This textbook will be used for the next four years. Study of Latin and Greek roots to enhance vocabulary comprehension.

Prerequisite: Teacher recommendation

Grade: 8

ENGLISH 9 - 1 Credit

Students will expand their knowledge of sentence structure and mechanics. This knowledge will enhance all aspects of the student's creative and expository writing. Students will complete an expository research paper under the teacher's guidance. Students will use previous knowledge of literary works to increase and synthesize anthologized literary works.

Prerequisite: English 8

Grade: 9

ADVANCED STUDIES ENGLISH 9 - 1 Credit

Students in advanced studies will master the same skills as students in English 9 with the addition of the study of college vocabulary, critical thinking skills, and major literary works. Students will successfully complete a 1200 word persuasive research paper using the MLA format from the Writers Inc. textbook. Students will read outside novels thematically linked to classroom activities taken from Shakespeare and contemporary adolescent literature. Students will study the history of the English language leading to the understanding and use of Latin and Greek word roots.

Prerequisite: Teacher recommendation

Grade: 9

ENGLISH 10 - 1 Credit

Students will continue to develop the knowledge of standard English usage. Students will also explore the structure of essays including well-organized thesis statements and conclusions. Students will continue to read various literary genres focusing on all aspects of literary techniques as well as figurative language. An I-Search research paper is written using MLA style.

Prerequisite: English 9

Grade: 10

ADVANCED STUDIES ENGLISH 10 - 1 Credit

Students in advanced studies will master the same skills as students in English 10 with the addition of college vocabulary and comprehensive reading skills covering a wider scope and breadth of literary works. Students will also be expected to complete a 1600 word I-Search research paper using guidelines studied in Advanced English 9. Students continue the study of Latin and Greek roots and prefixes and suffixes and apply this knowledge to encoding and decoding vocabulary words. Students will complete outside novels thematically linked to classroom activities taken from Shakespeare and contemporary adolescent literature.

Prerequisite: Teacher recommendation .

Grade: 10

ENGLISH 11 - 1 Credit

Students will apply previous grammatical knowledge to writing. Students will write all types of essays in a logically organized manner. Students will critically analyze works of American literature and its correlation to historical events. A career and an expository research paper will be completed using the MLA format from the Writers Inc. textbook. Study of Latin and Greek roots to enhance vocabulary comprehension.

Prerequisite: English 10

Grade: 11

ADVANCED STUDIES ENGLISH 11 - 1 Credit

Students in Advanced English cover the same skills as students in English 11 but with a wider scope of literary works and vocabulary. Students will successfully complete a 1600-word persuasive research paper. Students will read outside novels thematically linked to classroom activities. Authors such as Hawthorne, Melville, Crane, Wilder, etc. contribute to the anticipated level of required college reading.

Prerequisite: English 10AS

Grade: 11

ENGLISH 12 - 1 Credit

Students will write critical responses to literary works. Students will work on correctly formatted essays for college applications. Students will study British literature and analyze literary techniques. Students will complete a 1400-1600 word expository research paper using previous knowledge of the MLA format and make an oral presentation. Write literary analysis responses to previously studied literary works, poetry, and musical selections.

Prerequisite: English 11

Grade: 12

ADVANCED STUDIES ENGLISH 12 - 1 Credit

Students will complete the same skills as students in English 12 with a wider scope of literary works studied. They will study British literature and analyze literary techniques. Previous knowledge of the history of the English language will help students understand the evolution of Modern English. Students are expected to read outside novels thematically linked to classroom activities. Chaucer, Shakespeare, Coleridge, Shelly, Keats, etc. contribute to the anticipated level of required college reading. In addition, students will be expected to complete an 1800-word literary research paper.

Prerequisite: English 11AS

Grade: 12

MATH**MATH 8 - 0 Credit**

Objectives for this course are a continuation of the elementary K-8 sequence and will include all Math 8 SOL's. Problem solving is a major focus of this course. Topics will include, but are not limited to, proportions, percents, angles, volume and area, geometric transformations, probability and statistics, solving and graphing linear equations. The student will also use tables, graphs and rules to describe relationships, measurement, fractions, and decimals, positive and negative numbers. The Math 8 SOL Test will be given upon completion of this course.

Prerequisite: None

Grades: 8, 9

ALGEBRA I - 1 Credit

Algebra I is the basic foundation for the advanced mathematics program. Students are encouraged to use Algebra as a tool for representing and solving a variety of practical problems. Tables and graphs are used to interpret algebraic expressions, solve equations and inequalities and analyze functions. The TI-83 calculator is an integral part of the Algebra I curriculum, which is based upon the Virginia course objectives endorsed by the Virginia Department of Education.

Prerequisite: Math 8 or must pass an admissions test administered by a BCHS faculty member prior to the scheduling of classes.

Grades: 8-9

ALGEBRA, FUNCTIONS AND DATA ANALYSIS – 1 Credit

Provides students an opportunity for mathematical ideas to be developed in the context of real-world problems. Students will learn to attach functional algebra to statistics, allowing for the possibility of standardizing and analyzing data through the use of mathematical models. Students will use transformational graphing and the regression capabilities of graphing calculators to find regression equations, and they will use them to analyze data and to predict the placement of data points between and beyond given data points.

Prerequisite: Algebra I, Geometry I

Grades: 10-12

GEOMETRY - 1 Credit

Geometry offers students a means of describing, analyzing, and understanding aspects of their world. Geometric modeling, visualizing, and spatial reasoning can be used to solve many kinds of problems. Coordinate geometry and other representational systems allow locations to be specified and described. Geometry also focuses on the development of reasoning and proof, using definitions and axioms.

The Geometry SOL must be taken.

Prerequisite: Algebra I

Grades: 9-12

ALGEBRA II - 1 Credit

Algebra II provides a systematic way to represent mathematical relationships and analyze change. Students need to understand the concepts and symbols of algebra, the structures that govern the manipulation of the symbols, and ways that the symbols can be used to record ideas and events. Students will explore patterns that are exponential and logarithmic and continue to develop the notion of families of functions. *This course is required for the advanced studies diploma. The Algebra II SOL must be taken.*

Prerequisite: At least a (C) in previous math classes and a passing score on the Algebra I EOC SOL test.

Grades: 10-12

DISCRETE MATHEMATICS – 1 Credit

Discrete Mathematics involves applications using discrete variables rather than continuous variables. Modeling and understanding finite systems is central to the development of the economy, the natural and physical sciences, and mathematics itself. Discrete Mathematics introduces the topics of social choice as a mathematical application, matrices and their uses, graph theory and its applications, and counting and finite probability, as well as the processes of optimization, existence, and algorithm construction. *FOR STUDENTS WHO DO NOT WANT TO TAKE CALCULUS.*

Prerequisite: Algebra II

Grades: 11, 12

MATH ANALYSIS (PRE-CALCULUS) - 1 Credit

Mathematical Analysis serves as a preparatory course for a study of calculus. Mathematical analysis extends the study of families of functions and also includes sequences and series, trigonometry, polar equations, vectors, and parametric equations. An intuitive introduction to the concept of the limit of an algebraic function may be enhanced with algebraic methods or numerical substitution. *This course is specifically designed for students planning to pursue collegiate study of math, science or engineering.*

Prerequisite: At least a (B) average in Algebra II.

Grades: 11, 12

ADVANCED PLACEMENT CALCULUS - 1 Credit

This course is intended for students who have a thorough knowledge of college preparatory mathematics. The topics covered within this course are determined by the guidelines established by the College Board for AP Calculus AB. Students will do extensive work with graphing, limits, the derivative and integration. Use of a graphing calculator is required for this class. All students will be required to take the AP Calculus AB Exam and college credit may be earned through achievement on this test.

Prerequisite: Math Analysis

Grade: 12

SCIENCE

PHYSICAL SCIENCE - 0 Credit

This course provides an overview of basic physical and chemical concepts. Topics include atom structure, the periodic table, types of chemical reactions, motion, waves, electricity, and magnetism. Students also conduct guided activities as well as collect data and draw conclusions.

Prerequisite: None

Grade: 8

EARTH SCIENCE - 1 Credit

Earth Science is divided into four areas of study. The astronomy unit provides an opportunity to study the origin, composition and structure of the universe and the position of earth in space. The meteorological unit provides a study of the forces affecting our weather and their effect on the human environment. In the oceanography unit, the student learns to identify the dynamic forces affecting the movements of ocean water and the physical features found on the ocean floor. The unit of geology introduces rocks, minerals and the forces which shape our planet. Students are provided activities to promote mastery and understanding of the concepts of science presented in the four basic units of study. Writing activities and varied forms of instruction are used to enhance student achievement.

Prerequisite: Physical Science

Grade: 9

BIOLOGY - 1 Credit

This course will explore the fundamental characteristics of life from the molecular level to the ecosystem level. Emphasis is placed on the unity, diversity, and interaction and interdependence of living things. Laboratory and inquiry experiences are a necessary component of biology and many topics will involve issue analysis by students with respect to practical and ethical concerns of science, technology and society.

Prerequisite: Earth Science

Grade: 10

EARTH SCIENCE II (Topics in Environmental Science) - 1 Credit

Earth Science II is the study of the interaction of living organisms with one another and with their nonliving environment and matter. In this course, students will learn the basic ecological principles that govern nature. Students will also apply their knowledge to better understand important environmental issues. The ultimate goal is for students to gain the science knowledge necessary to analyze issues concerning humans and their interaction with the environment. This class will provide students the third science required of the state Standards of Quality without taking Chemistry.

Prerequisite: Earth Science and Biology; all Advanced-Studies diploma candidates and college-bound students will take Chemistry and Physics, or AP Biology

Grades: 11 or 12

CHEMISTRY - 1 Credit

Chemistry deals with the structure and composition of matter that constitutes living things and their environment. It involves an extensive study of atomic structure and the interrelationships among atoms. Students will learn to predict products of given reactants and recognize reaction types. Emphasis is placed on the interdependence of atoms and Stoichiometry. Students are provided activities to help them better understand the concepts. Chemistry is recommended for admission to technical and nursing schools and to four-year colleges.

Prerequisite: Algebra II (concurrent) or teacher's permission

Grades: 11, 12

PHYSICS - 1 Credit

Physics uses concepts and equations to describe the physical world. This course emphasizes the topics of mechanics, wave motion, optics, electricity, and magnetism. Students will conduct guided experiments and solve word problems in these topics in order to reinforce concepts. Physics is highly recommended for prospective science and engineering majors.

Prerequisite: Algebra II, Chemistry

Grade: 12

ADVANCED PLACEMENT BIOLOGY – 1 Credit – Course Taught through Virtual Virginia

This course is intended for students who have a thorough knowledge of college preparatory science and are considering science as a major in college. The course prepares students for intermediate and advanced level college courses by making demands upon them equivalent to those made by full-year introductory college courses. The topics covered within this course are determined by the guidelines established by the College Board for AP Biology. They include molecules and cells, heredity and evolution, and organisms and populations. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing society of biology. Mastery of laboratory science skills and knowledge will also be obtained. Twelve AP Biology laboratories will be conducted and information from these may be included on the AP Exam. All students will be required to take the AP Biology Exam and college credit may be earned through satisfactory achievement on this test.

Prerequisite: Biology and Chemistry (must have scored a minimum of 90 in Chemistry and have teacher recommendation.)

Grade: 12

SOCIAL STUDIES

ECONOMICS AND PERSONAL FINANCE -- 1 Credit

This course is required for students who entered 9th grade in 2011 and beyond.

The objectives shall include but not be limited to, personal living and finances; personal and business money management skills; opening an account in a financial institution and judging the quality of a financial institution's services; balancing a checkbook; completing a loan application; the implications of an inheritance; the basics of personal insurance policies; consumer rights and responsibilities; dealing with salesmen and merchants; debt management; managing retail and credit card debt; state and federal tax computation; local tax assessments; computation of interest rates by various mechanisms; understanding simple contracts and learning how to contest an incorrect bill.

Grades 9-12

WORLD GEOGRAPHY - 1 Credit

The course includes a detailed look at the main physical features of the earth's surface (land, climate, minerals, and vegetation) and how these elements cause the earth and its people to differ from place to place and country to country. There is a brief look at the basic ideas of world politics, world economics, world religions and people's behavior. With this background, the students survey the culture of the people over six populated continents. A special emphasis is placed on the study of the changing face of Russia, Peoples Republic of China, the developing countries of Africa, the Middle East and the United States.

Prerequisite: None

Grades: 8-10

WORLD HISTORY I - 1 Credit

The Standards of Learning for the students require exploration of people, places and patterns of life from ancient times to 1500 A.D. Students study the origins of much of our heritage using texts, maps, pictures, stories, diagrams, charts, chronological skills, inquiry/research skills and technology skills.

Prerequisite: None

Grades: 9-10

WORLD HISTORY II - 1 Credit

The standards for students cover history and geography from the late Middle Ages (1500 A.D.) to the present with emphasis on Western Europe. Geographic influences on history continue to be explored, but increasing attention is given to political boundaries that developed with the evolution of nation states. Significant attention will be given to the ways in which scientific and technological revolutions created new economic conditions that in turn produced social and political changes and how the people and events of the past can be related to contemporary issues. The SOL's strike a balance between the issues, persons and documents. (Using texts, maps, pictures, stories, diagrams, charts and a variety of chronological inquiry/research and technological skills, students develop competence in chronological thinking, historical comprehension and historical analysis).

Prerequisite: None

Grade: 10

VIRGINIA/U.S. HISTORY - 1 Credit

This course examines topics dealing with social, economic and political aspects of the American society. Topics to be examined include: Early exploration of the New World, Colonial America, National Period, Manifest Destiny the Civil War, Reconstruction, the Westward Movement, World War I, the Great Depression, World War II, the Cold War, the Vietnam War, present history and it's relation to past history. This course is required for a Virginia diploma.

Prerequisite: None

Grade: 11

VIRGINIA/U.S. GOVERNMENT - 1 Credit

This class is a study of the functions and development of the federal, state and local governments. The students will analyze the fundamental concepts of government as found within the Constitution and the governmental process of our political system. This course is required for a Virginia diploma.

Prerequisite: Virginia and U.S. History

Grade: 12

SOCIOLOGY/ECONOMICS - 1 Credit

Sociology is the social science that studies human society and social behavior. The class is concerned with the practical aspects of dealing with social problems and changes in varied societies. Economics is the study of supply and demand, the free enterprise system, business organization, savings and investments, and personal and family financial planning.

Prerequisite: None

Grades: 10-12

ADVANCED PLACEMENT VIRGINIA/U.S. HISTORY – 1 Credit

The AP VA/US History course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials – their relevance to a given interpretative problem, reliability and importance – and weigh the evidence and interpretations presented in historical scholarship.

Prerequisite: Teacher Permission and placement essay

Grade: 11

HEALTH/P.E./DRIVER EDUCATION**HEALTH AND PHYSICAL EDUCATION 8 - 0 Credit**

Students in Physical Education 8 concentrate on a variety of physical activities. The development of major muscle groups, body coordination and fitness training are emphasized as students are exposed to recreational sports, football, basketball and soccer. Forty percent of P.E. 8 is devoted to classroom instruction on personal growth and health, exposure to the negative effects of alcohol, tobacco and drugs. Physical Education classes are used to meet state “family life” requirements.

Grade: 8

HEALTH AND PHYSICAL EDUCATION 9 - 1 Credit

Students in Physical Education 9 concentrate on muscle toning, cardiovascular activities and weight training. Team sports and recreational activities are used to motivate fitness awareness. Students will spend forty percent of their P.E. time studying consumer issues, environmental health, disease prevention, family survival and first aid. State physical fitness tests and “family life” education are administered to students during this class.

Prerequisite: None

Grade: 9

HEALTH AND PHYSICAL EDUCATION 10 & DRIVER'S EDUCATION - 1 Credit

Students in Physical Education 10 concentrate on in-depth study and practice of individual team sports. Classroom drivers' education, mental health and family life instruction account for approximately seventy days of instruction. Tobacco program presented by Mrs. Mary Adderton is also included. Students will be assessed by Virginia Fitness Standards two times during the year.

Prerequisite: Health and Physical Education 9

Grade: 10

FOREIGN LANGUAGE

A student considering a foreign language should have demonstrated above average achievement in English Language Arts. To gain the greatest benefit from the foreign language offerings, a student is encouraged to begin his study in the ninth grade. College bound students are advised to investigate the specific requirements of the college in which they have an interest.

SPANISH I - 1 Credit

Communicating in the target language is emphasized at the beginning level. Vocabulary and verb conjugations in the present tense are highlighted. Activities in reading, writing and listening reinforce the oral skills. Cultural and geographical aspects of the francophone and hispanophone are explored.

Prerequisite: Teacher recommendation. For 8th grade students, a B average is required in their previous Language Arts class.

Grades: 8-12

SPANISH II - 1 Credit

Oral proficiency is emphasized at the intermediate level. New vocabulary, grammar skills and verb conjugations are further refined. Cultural and geographical aspects of francophone/hispanophone nations are expanded.

Prerequisite: Spanish I

Grades: 9-12

SPANISH III - 1 Credit

Fluency in the foreign language is developed and refined at this level. An increase in vocabulary, grammar skills, verb conjugation (the imperfect tense) and idiomatic expressions allow the student to converse in the target language.

Prerequisite: Spanish II, Teacher Recommendation

Grades: 10-12

SPANISH IV - 1 Credit

Fluency in the foreign language is mastered at the advanced levels. Advanced vocabulary, grammar skills, verb conjugations, and idiomatic expressions allow the student to express himself in written composition and conversation. This course is taught in the target language only.

Prerequisite: Spanish III, Teacher Recommendation and 80 or above grade.

Grades: 11-12

FINE ARTS COURSES

ART I, II, III - 1 Credit

Studio-oriented courses which include exploration in two and three-dimensional design. Students will be exposed to drawing, design, painting, crafts, ceramics, sculpture, print making, commercial art and art appreciation with emphasis on the Elements of Art and the Principles of Composition. Art III students will prepare an Art Portfolio.

Prerequisite: None

Grades: 9-12

BAND - 1 Credit

The band program is open to any student in the high school who has had previous band experience or has the director's permission. The concert and marching band is one ensemble. The Band rehearses during the school day (band class). Students enrolled in the band course are required to participate in band functions to include football games, parades, competitions, winter and spring concerts and District Band Festival in March. During Football season, the band will also rehearse on Fridays after school to prepare for the games. Students will be required to attend marching band camp at Camp Accovac during July 27 – 31, 2009. Any student that would like to be a part of band must be enrolled in band class.

Prerequisite: Previous band experience or director's permission

Grades: 9-12

DABNEY S. LANCASTER COMMUNITY COLLEGE

DUAL ENROLLMENT COURSES

The following courses are being offered through the BCHS Distance Learning Lab. These students will be expected to follow Dabney S. Lancaster Community College's instructional schedule, even when it conflicts with Bath County High School's schedule, i.e. Thanksgiving, Christmas, Spring breaks.

PLS135/PLS136 AMERICAN NATIONAL POLITICS AND STATE & LOCAL POLITICS (Full year)

Teaches political institutions and processes of the national government of the United States. First semester focuses on Congress, the Presidency and the courts. Second semester focuses on structure, power and functions of state and local government. 3 credit hours each semester.

PSY200 PRINCIPLES OF PSYCHOLOGY (Fall Semester)

Examines human and animal behavior, relating experimental studies to practical problems. 3 credit hours offered in the Fall.

SPD110 INTRODUCTION TO SPEECH COMMUNICATIONS (Spring Semester)

Examines the elements affecting speech communication at the individual, small group and public communication levels with emphasis on practice of communication at each level. 3 credit hours offered in the Spring.

PREREQUISITES FOR ABOVE: Must pass DSLCC placement test, write a placement essay, and have recommendation from the DSLCC committee. STUDENTS MUST TAKE ALL OF THE COURSES LISTED ABOVE TO TAKE PART IN THE DUAL ENROLLMENT PROGRAM.

The following Welding courses are offered through Dual Enrollment. All students must attend these classes on the Dabney S. Lancaster campus:

WEL117 – Oxy-Fuel Welding & Cutting

WEL123 – SMAW (Basic)

WEL124 – Advanced SMAW Welding

WEL130 – Inert Gas Welding I

WEL 135 – Inert Gas Welding II

All students taking Dual Enrollment courses must pass the Dabney Placement exam (given in March at BCHS or at DSLCC upon arrangements with DSLCC Student Services). The current arrangement is that the parent or guardian pays for the tuition for the course in advance. Upon completion of the course, if the student receives a "C" or better the school board will reimburse these students for 50% of the tuition. Due to budgeting constraints this policy may change in the budget process. Please also be aware that there is currently a limit of 12 dual enrollment and 2 welding students. Enrollment numbers will be based on tuition and budgeted allotment.

JACKSON RIVER GOVERNOR'S SCHOOL FOR SCIENCE, MATHEMATICS AND TECHNOLOGY, DABNEY S. LANCASTER COMMUNITY COLLEGE

Participants in the Jackson River Governor's School must be nominated by their high school. A selection committee for each high school reviews the applicants and selects the finalists and alternates from their schools. Application packets are available in the guidance office. Applications are due sometime in early March. Participants will be notified by April 15th. Applicants should be currently enrolled in the 10th grade and have completed Algebra I and II, Geometry and Biology with a grade of A or B. While not required, preference will be given to students who have also taken Trigonometry and Chemistry. Students must show evidence of aptitude, potential, and strong interest in science and mathematics. Selection criteria considered by the screening committee include:

Mathematics course grades: Algebra I, Geometry, Algebra II (B or above).

Science course grades: Earth Science, Biology, Chemistry (B or above).

PSAT/SAT scores: 90th percentile or above.

Attendance: Consistent

Teacher and Counselor recommendations

CAREER/TECHNICAL COURSES

BUSINESS AND INFORMATION TECHNOLOGY

KEYBOARDING APPLICATIONS (18 wks) - ½ Credit

This course is designed for secondary school students to develop and enhance touch skills for entering alphabetic, numeric, and symbol information on a keyboard. Students compose and produce personal, educational, and professional documents. (Students who can demonstrate touch keyboarding skills may test out and enter into the applications semester to develop document preparation skills.) (FBLA)

Prerequisite: None

Grades: 8-12

WORD PROCESSING (18 wks) - ½ Credit

Students develop intermediate to advanced level word processing skills, using a variety of software functions, including graphics, desktop publishing, and telecommunications. Students gain competence integrating other applications such as database and spreadsheet into word processing activities. Classroom experiences also provide for skill development in communication. (FBLA)

Prerequisite: Keyboarding Applications (or teacher approved demonstrated and documented touch keyboarding skills.)

Grades: 8-12

ACCOUNTING - 1 Credit

Students study the basic principles, concepts and practices of the accounting cycle. Students learn fundamental accounting procedures using a manual and an electronic system. (FBLA)

Prerequisite: Keyboarding or teacher-approved demonstrated and documented touch keyboarding skills (recommended)

Grades: 10-12

ADVANCED ACCOUNTING - 1 or 2 Credits (See Cooperative Education)

Students gain in-depth knowledge of accounting procedures and techniques used to solve business problems and make financial decisions. Students use accounting and spreadsheet software to analyze and interpret business applications. (FBLA)

Prerequisite: Accounting

Grades: 11, 12

COMPUTER INFORMATION SYSTEMS - 1 Credit

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. Completion of this course may prepare students for industry certifications. (FBLA)

Prerequisite: Keyboarding course or teacher-approved, demonstrated and documented touch keyboarding skills. **Grades:** 10-12

ADVANCED COMPUTER INFORMATION SYSTEMS -- 1 or 2 Credits (See Cooperataive Education)

Students apply problem-solving skills to real-life situations through advanced integrated software applications, including printed, electronic, and Web publications. Students work individually and in groups to explore advanced computer maintenance activities, web site development, programming, networking, emerging technology, and employability skills. Completion of this course may prepare the student for industry certification. (FBLA)

Prerequisite: Computer Information Systems **Grades:** 11, 12

DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES - 1 Credit

Students develop proficiency in creating desktop publications, multimedia presentations/projects, and Web sites using industry standard application software. Students incorporate principles of layout and design in completing publications and projects. Students design portfolios that may include business cards, newsletters, mini-pages, Web pages, multimedia presentations/projects, calendars, and graphics. Completion of this course may prepare students for industry certifications. (FBLA)

Prerequisite: Keyboarding course or teacher-approved, demonstrated, and documented touch keyboarding skills. **Grades:** 10-12

PRINCIPLES OF BUSINESS MARKETING (18 wks) - ½ credit

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

Prerequisite: None **Grades:** 9, 10

BUSINESS MANAGEMENT (18 wks) - 1/2 credit

Students study basic management concepts and leadership styles as they explore business ownership, planning, operations, marketing, finance, economics, communications, the global marketplace, and human relations. Quality concepts, project management, problem solving, and ethical decision making are an integral part of the course. Student leadership skills may be enhanced by participation in school-based or virtual enterprises, job shadowing, internships, cooperative education, and/or the Future Business Leaders of America (FBLA).

Prerequisite: None **Grades:** 10 - 12

LEADERSHIP DEVELOPMENT - 1 Credit

Students develop competencies in identifying individual aptitudes in relation to effective leadership skills, understanding organizational behavior, using effective communication in the workplace, handling human resources and organizational problems, supervising and training employees, resolving conflict, planning for the future and ethical business decision-making. Concentration strategies for career development through management of their own business are emphasized. Continuing education in leadership is emphasized as well as practical experience in cooperation with school, business' and community leaders. (FBLA)

Prerequisite: For Juniors Only **Grade:** 11

COOPERATIVE EDUCATION

The Business and Information Technology Program at Bath County High School wishes to incorporate Cooperative Education into the advanced classes. All occupational courses and special program courses listed in the Business Program are eligible for the Cooperative Education method of instruction. Cooperative Education provides for an advanced student to experience hands-on education in an approved workplace with an individualized training plan and contract. Students will receive one high school credit.

Grades: 11, 12

FINANCE

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. As a year offering, the course will also prepare students occupationally to plan, manage, and analyze the financial and monetary aspects and success of business enterprises, banking institutions, or other organizations. (FBLA)

Prerequisite:

Grades: 10 – 12

OFFICE ADMINISTRATION

Students enhance word processing and communication skills as they develop competencies needed by administrative support professionals. Students study office procedures such as information processing, telecommunications, electronic record management, and financial records management. (FBLA)

Prerequisite: Keyboarding course or teacher approved demonstrated and documented touch keyboarding skills.

Grades: 10 - 12

FAMILY AND CONSUMER SCIENCES

CULINARY ARTS I - 1 Credit

This course, developed by the National Restaurant Association is for students interested in hospitality and restaurant field. Foundations of Restaurant Management and Culinary Arts is the curriculum which combines management skills with guest speakers and field trips in the industry for hands on approach to this field of study. Students practice managerial, production, and service skills used in government, commercial, or independently owned institutional food establishments and related food industry occupations. Students plan, select, store, purchase, prepare, and serve food and food products; study basic nutrition, sanitation, and food safety; the use and care of commercial equipment; and the operation of institutional food establishments. Industry career exploration, as well as critical thinking, practical problem solving, and entrepreneurship opportunities within the field of culinary arts are emphasized. Students will develop skills in stocks, soups, sauces, potatoes, pasta, and grains. Students may obtain their ServSafe Certification and have opportunities to cater events for the school and community. If they chose, a mentorship will be set up and/or as paid work experience with a local chef or restaurant. If working, hours can be applied to the ProStart National Certification. At the conclusion of this program, students will be able to enter the workforce above an entry-level position. Students will be involved in FCCLA activities and competitions locally and at the state level. Teachers highlight the basic skills of mathematics, science and communication when appropriate in content.

Prerequisite: None required

Grades: 9-12

CULINARY ARTS II - 2 Credits

This course, developed by the National Restaurant Association is for students continuing their interest in the hospitality and restaurant fields. Foundations of Restaurant Management and Culinary Arts, level two continues to provide a hands on approach to leadership in the field. Culinary Arts II provides students an opportunity to refine skills in serving, dining room management, and other skills learned in Culinary Arts I. Students prepare for occupations such as chef/cook, baker/pastry helper, pastry decorator, hospitality worker, dietetic aide/assistant, food demonstrator, and entrepreneur. Critical thinking, practical problem solving, and entrepreneurship opportunities within the field of culinary arts are emphasized. Students will continue work in the ProStart curriculum and work towards passing the second level of examinations. Students will refine their culinary skills in the areas of cuisines of the world, the Americas and in pastries, pies, meat, poultry, seafood, desserts, chocolate and breakfast foods. Salads, vinegars, and salsa, and

garnishes will be included as well as cost control, purchasing and inventory. Students which have passed the two levels of the ProStart exam and completed the 400 hours of paid internship hours will obtain the ProStart national certification credential. Teachers highlight the basic skills of mathematics, science and communication when appropriate in content. Scholarships for post-secondary experiences are available upon receiving the credential. Students will be involved in FCCLA activities and competitions locally and at the state level

Prerequisite: Culinary Arts I

Grades: 10, 11, 12

TRADE & INDUSTRIAL

AUTO SERVICING I - 1 Credit

Auto Mechanics I is a class in which students study the theory, practice, and the manipulative skills related to automotive lubrication, cooling systems, automotive engines, the fuel and exhaust systems and brake systems. Safety procedures are practiced throughout the course. **Prerequisite:** None **Grades:** 9-12

AUTO SERVICING II - 2 Credits (for a 2 period class)

Auto Mechanics II is a class in which students learn to repair emission control systems, suspension and steering, transmissions, drive lines and differentials.

Prerequisite: Auto Servicing I

Grades: 10-12

AUTO SERVICING III - 2 Credits (for a 2 period class)

Auto Mechanics III is a class in which instruction continues with students studying the automotive electrical system, the air conditioning system, wheel alignment and balance, and cost estimating.

Prerequisite: Completion of Auto Servicing I and II

Grades: 11, 12

CARPENTRY I - 1 Credit

Carpentry I introduces students to skills essential to success in the building profession. Students use hand and power tools to cut stock; learn to read blueprints; build and install foundations, trusses, doors, windows, stairs, and finishes; and frame walls, floors, ceilings, roofs, decks and porches. All students will obtain a required OSHA 10 safety credential in the class.

Prerequisite: Completed Math 8, should be enrolled in Algebra.

Grades: 9-12

CARPENTRY II - 2 Credits (for a 2 period class)

Carpentry II completes the student's secondary training for the carpentry profession. Students study blueprints; build and install foundations, trusses, doors, windows, stairs and finishes; and frame walls, floors, decks, and porches. In addition, students are introduced to basic rigging; learn to estimate and select building materials, and install cabinets. This course meets for two class periods. A student must complete both class periods before moving onto Carpentry III.

Prerequisite: Carpentry I

Grades: 10-12

CARPENTRY III - 2 Credits (for a 2 period class)

This course prepares students for success in the carpentry profession. Students use hand and power tools to cut stock; build and install foundations, trusses, doors, windows, stairs, and finishes; study blueprints; and frame walls, floors, ceilings, roofs, decks, and porches. In addition to basic rigging, they also learn to estimate and select materials to build and install cabinets.

Prerequisite: Completion of Carpentry II

Grades: 11-12

CABINETMAKING I/II – 2 Credits (for a 2 period class)

Students continue to learn workshop and tool safety and enhance their employability skills as they interpret blueprints; estimate and select materials; cut and shape stock; assemble, fasten, and install components; install interior finishes; apply wood veneers and plastic laminates; finish surfaces; and transport and install cabinets. The technical problem solving, leadership and creative skills learned in Cabinetmaking can be applied in industries well beyond construction trades and professions and can prepare the student for lifelong learning and success.

Prerequisites: Completion of Carpentry I, II and III

Grade: 12

INDUSTRIAL MAINTENANCE TECHNOLOGY I - 1 Credit

Students will learn to name and use hand and power tools as needed to complete the task dealing with maintenance and operations of different types of buildings.

Prerequisite: None

Grades: 9-12

INDUSTRIAL MAINTENANCE TECHNOLOGY II - 2 Credits

Industrial Maintenance Technology II instruction is given on different types of systems that need maintenance. Like HVAC systems, boiler systems and steam and hot water systems. Also students will be working on planning and putting to use a preventive maintenance program.

Prerequisite: IMT I

Grades: 10-12

INDUSTRIAL MAINTENANCE TECHNOLOGY III - 2 Credits

Industrial Maintenance Technology III class provides additional experiences to increase the skill level for industrial technology maintenance. Please note this course is not part of the formal Virginia CTE program; however, it is offered to BCHS students so that they can further their experience in this area of study.

Prerequisite: IMT II

Grades: 10-12

TECHNOLOGY**COMMUNICATION SYSTEMS - 1 Credit**

This class is the first part of a two-year completer program. Students will become competent in the following areas: understanding the concept, history, and future of communication; identify careers in this field; understand the impact and technology of communication systems; understand networking and be able to network between different types of systems; develop a portfolio of computer applications, digital video and photographic images and graphic design; understand the technology and history of all of the above.

Prerequisite: Keyboarding skills

Grades: 9-11

GRAPHIC COMMUNICATION SYSTEMS - 1 Credit

This class is the second part of the Communication and Information Technology Program. The student will become competent in the following areas: understand careers and fields in graphic communication; select proper mediums for a given message and design such product; present original images and texts for school and community events; use team skills to build multi-person graphics; integrate graphic media and build a portfolio of original graphic media.

Prerequisite: Communication Systems

Grades: 10-12

TECHNICAL DRAWING AND DESIGN - 1 Credit

This is the first year of a two-year completer program entitled Technical Design and Illustration. The student will become competent in the following areas: understand the concept, history and future of technical drawing; identify and understand careers in this field through research; prepare technical drawings from specifications and from original designs; understand and apply geometric construction principals; and use English and metric measuring devices.

Prerequisite: Algebra I

Grades: 9-12

ENGINEERING DRAWING AND DESIGN - 1 Credit

This is the second year of a two-year completer program entitled Technical Design and Illustration. The student will become competent in the following areas: understand the concept, history and future of engineering drawing; identify and understand careers in this field through research; design mechanical objects from specifications and improve upon original design; design for the four major types of energy groups; certify in AutoCAD through Brainbench Testing Services; and create a portfolio of designs.

Prerequisite: Technical Drawing and Design

Grades: 10-12

SPECIAL PROGRAMS

EIGHTH GRADE EXPLORATORY

The Standards of Quality require that each school system provide career exploratory classes for their students. To meet this requirement, eighth grade students will be required to take this class. The class will consist of a mixture of six selected academic/technical areas. In each of these classes, the teacher will discuss the basics and explore possible career opportunities.

Prerequisite: Required

Grade: 8

INDUSTRIAL CO-OPERATIVE TRAINING PROGRAM (ICT) - 2 Credits

ICT is a teaching two-credit course. A student's day will be spent in the classroom and at an approved job. Verification of employment must be presented to the teacher coordinator by September 1, 2012, indicating the student is employed. In order to receive credit for this course, submission of employment time work sheets equaling at least 300 hours must be given to the teacher coordinator throughout the year.

Prerequisite: Job Site Supervision, permission from administrative team.

Grade: 12

Policies & Procedures

Program Planning/Scheduling

In selecting subjects, the students should recognize the fact that employment and post-secondary opportunities are highly competitive. The quality of the subjects studied and the quality of academic performance are crucial factors in decisions made by both employers and college administrations. Therefore, it is to the student's advantage to select subjects which present a challenge and which serve as a recommendation for them.

During the early winter each student meets with their Guidance counselor for an individual conference to address both their academic and career plan but to also select their courses for the upcoming year. Counselors explore carefully with each student their courses and SOL tests (verified credits) which are needed to complete for graduation. They discuss their career path, plans for postsecondary education and future requirements for employment and courses which are required for NCAA athletic eligibility. Counselors also discuss students' academic progress, their interests and aptitudes. Certain placement in classes will be weighed not only on student interest but also teacher recommendation and diagnostic placement test results.

Students should give very serious consideration during the registration process and to the classes they will be selecting. We encourage students to make choices of elective courses thoughtfully as these career paths can help assist a student in their future career endeavors. If a student needs to make a change in his/her schedule, it must be done within the first five days of school. After that time courses will not be dropped or changed without a parent-teacher conference. Seniors who are not meeting graduation requirements are still required to be in school for a minimum of five periods a day.

Grading Scale/Grade Point Average/Class Rank

The following system of grading is in effect at Bath County High School:

- A = 100-94.....Superior
- B = 93-86.....Above Average
- C = 85-78.....Average
- D = 77-70.....Passing
- F = 69 & below.....Failing
- I =Incomplete

When determining the grade point average (GPA) of a student, an additional seven (7) points on each course grade is added to the following courses: **Dual-Enrollment and Governor's School** courses which are transferable to a four-year college; **AP** courses, if the student takes the AP exam. GPA is only

calculated once the course credit is awarded, except in the student's senior year. GPA is recalculated at the semester point for seniors. Class rank is determined based on the student's numerical average.

Grade Level Classification

Students must successfully complete 15 units of credit in order to be classified as seniors; 10 units for juniors, 5 units for sophomores. Ninth graders must have successfully completed 4 courses during the eighth grade, including English 8 and a math.

High School Credit Earned in the 8th Grade

When an eighth grade student successfully completes subjects identified as high school subjects, credit shall be counted for meeting the total number of units required for graduation. For example, Algebra, a foreign language, World Geography and some career/technical courses taken in the 8th grade will count toward fulfilling the credits needed for graduation. The grades earned in these courses will become part of the grade point average. Parents may notify the high school if they choose for those courses taken in the eighth grade not to count. Notification must occur in writing within fifteen days following the completion of the course.

Special Education

Programs are provided for students in need of special services. More information regarding these programs may be obtained from a school counselor or a specialist currently working with the student. Scheduling is done on an individual basis according to the needs of each student. Through the cooperation of the special education teacher and the regular classroom teacher, these students will be helped to achieve the goals of their regular class. The instructional program in all special education classes is based on each student's individualized education program (IEP). Various diploma options for special education students are available and will be determined by the IEP team, which includes the student and his/her parents.

Alternative Education

An alternative education program (ISAEP) is available upon request and is considered on an individual basis by an administrative team.

Diploma Seals

Board of Education Seal: Students who meet the graduation requirements for a Standard, Standard Technical, Advanced Studies or Advanced Technical Diploma with a final grade average of a 94 or above at the end of their senior year will receive a Board of Education Seal on their diploma.

Governor's Seal: Students who complete the requirements for an Advanced Studies Diploma or Advanced Technical Diploma with an average grade of 86 or better and successfully complete college level coursework that will earn the student at least 9 transferable college credits in Advanced Placement or Dual Enrollment will receive the Governor's Seal on their diploma.

Board of Education Career and Technical Education Seal: This seal will be awarded to students who earn a Standard, Standard Technical, Advanced Technical or Advanced Studies Diploma and one of the following: Complete a prescribed sequence of courses in a career and technical education concentration or specialization and maintain a "B" or better average in those courses, or; pass an examination in a career and technical education concentration or specialization that confers certification from a recognized industry, trade, or professional association, or; acquire a professional license in that career and technical education field from the Commonwealth of Virginia.

Career and Technical Education Seal: The student must earn a Standard, Standard Technical Diploma or an Advanced Studies or Advanced Technical Diploma and one of the following: (a) Complete a

prescribed sequence of courses in a career or technical education concentration or specialization and maintain a “B” or better average in those courses, or (b) pass an examination or an occupational competency assessment in a career and technical education concentration or specialization that confers certification or an occupational competency credential from a recognized industry, trade, or professional association, or (c) acquire a professional license in that career and technical education field from the Commonwealth of Virginia.

Seal of Advanced Mathematics and Technology Seal: This seal will be awarded to students who earn a Standard or Advanced Studies Diploma and satisfy all the mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified math units of credit) with at least a “B” average, and one of the following: Pass an examination in a career and technical education concentration or specialization that confers certification from a recognized industry, trade, or professional association, or; acquire a professional license in that career and technical field from the Commonwealth of Virginia, or; pass an examination approved by the Board that confers college-level credit in a technology or computer science area.

Excellence in Civics Education Seal: This seal is for students who earn a Standard or Advanced Studies Diploma. Students must complete VA/US History and VA/US Government courses with a grade of “B” or higher. They must also complete 50 hours of voluntary participation in community service or extracurricular activities. Students must also have good attendance and no disciplinary infractions as determined by local school board policies.

Lists of trade, industry, and professional licenses and certifications that satisfy the requirements for the Career and Technical Education Seal and the Seal of Advanced Mathematics and Technology are on the internet at: <http://www.pen.k12.va.us/VDOE/Instruction/CTE>; click on “Seals of Achievement.”

GRADUATION REQUIREMENTS

Advanced Studies Diploma Requirements

| Subject | 1: Standard Credit | 2: Standard Credit | Verified Credit | |
|--------------------------------|--------------------|--------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| English | 4 | 4 | 2 | Option 1: Entering as a Freshman prior to 2010-2011 Option 2: Entering as a Freshman in 2010-2011 or after |
| Mathematics | 4 | 4 | 2 | |
| Laboratory Science | 4 | 4 | 2 | English: SOL tests given in English 11 Writing and English 11 Reading/Literature and Research. Mathematics: Must include courses at or above the level of Algebra I and include at least 3 different courses from among Algebra I, Geometry, Algebra Functions & Data Analysis, Algebra II, or others above Algebra II. SOL tests are given in Algebra I, Geometry, and Algebra II. |
| Social Studies | 4 | 4 | 2 | |
| Health/Dr. Ed/ PE | 2 | 2 | | Science: Must include at least 3 courses from the 4 required courses: Earth Science, Biology, Chemistry, and Physics. Other courses selected from AP Biology, AP Environmental Science and Physics. SOL tests are given in Earth Science, Biology, and Chemistry. |
| Fine Arts or CTE | 1 | 1 | | |
| Foreign Language | 3 or 4 | 3 or 4 | | Social Studies: Must include VA and U.S. History, VA and U.S. Government and two more from among World Geography, World History I, or World History II. SOL tests are given in all social studies courses except VA and U.S. Government. |
| Economics and Personal Finance | | 1 | | |
| Electives | 2 or 1 | 3 or 2 | | Foreign Language: Three years of one language or two years of two languages. |
| Student Selected Test | | | 1 | |
| Total | 24 | 26 | 9 | |

Advanced Technical Diploma Requirements

| Subject | 1: Standard Credit | 2: Standard Credit | Verified Credit |
|--------------------------------|--------------------|--------------------|-----------------|
| English | | 4 | 2 |
| Mathematics | | 4 | 2 |
| Laboratory Science | | 4 | 2 |
| Social Studies | | 4 | 2 |
| Health/Dr. Ed/ PE | | 2 | |
| Fine Arts or CTE | | 1 | |
| Foreign Language | | 3 or 4 | |
| Economics and Personal Finance | | 1 | |
| Career & Technical | | 3 | |
| Student Selected Test | | | 1 |
| Total | | 26 | 9 |

Option 1: Entering as a Freshman prior to 2010-2011
 Option 2: Entering as a Freshman in 2010-2011 or after

English: SOL tests given in English 11 Writing and English 11 Reading/Literature and Research.

Mathematics: Must include courses at least 3 different courses from among Algebra I, Geometry, Algebra Functions & Data Analysis, Algebra II, or others above Algebra II. SOL tests are given in Algebra I, Geometry, and Algebra II.

Science: Must include at least 3 courses from the 4 required courses: Earth Science, Biology, Chemistry, and Physics. Other courses selected from AP Biology, AP Environmental Science and Physics. SOL tests are given in Earth Science, Biology, and Chemistry.

Social Studies: Must include VA and U.S. History, VA and U.S. Government and two more from among World Geography, World History I, or World History II. SOL tests are given in all social studies courses except VA and U.S. Government.

Foreign Language: Three years of one language or two years of two languages.

Career & Technical: Must satisfy requirements to be a program completer. Industry certification must be completed if offered.

Standard Diploma Requirements

| Subject | 1: Standard Credit | 2: Standard Credit | Verified Credit |
|------------------------------------|--------------------|--------------------|-----------------|
| English | 4 | 4 | 2 |
| Mathematics | 3 | 3 | 1 |
| Laboratory Science | 3 | 3 | 1 |
| Social Studies | 3 | 3 | 1 |
| Fine Arts, CTE or Foreign Language | 1 | 2 | |
| Economics and Personal Finance | | 1 | |
| Health/Dr. Ed/PE | 2 | 2 | |
| Electives | 6 | 4 | |
| Student Selected Test | | | 1 |
| Total | 22 | 22 | 6 |

Option 1: Entering as a Freshman prior to 2010-2011
 Option 2: Entering as a Freshman in 2010-2011 or after

English: SOL tests given in English 11 Writing and English 11 Reading/Literature and Research.

Mathematics: Must include courses at or above the level of Algebra I and include at least 3 different courses from among Algebra I; Geometry; Algebra Functions and Data Analysis; Algebra II; or others above Algebra and Geometry. SOL tests are given in Algebra I, Geometry, and Algebra II.

Science: Must include at least 3 courses from among Earth Science, Biology, Chemistry, AP Environmental Science and Physics. SOL tests are given in Earth Science, Biology, and Chemistry.

Social Studies: Must include VA and U.S. History, VA and U.S. Government and one more from among World Geography, World History I, or World History II. SOL tests are given in all social studies courses except VA and U.S. Government.

Electives: Two electives must be sequential.

Fine Arts, CTE or Foreign Language: One of these credits must be in Fine Arts or CTE.

Standard Technical Diploma Requirements

| Subject | 1: Standard Credit | 2: Standard Credit | Verified Credit |
|--------------------------------|--------------------|--------------------|-----------------|
| English | | 4 | 2 |
| Mathematics | | 3 | 1 |
| Laboratory Science | | 3 | 1 |
| Social Studies | | 3 | 1 |
| Health/Dr. Ed/ PE | | 2 | |
| Career & Technical | | 4 | |
| Fine Arts or Foreign Language | | 1 | |
| Economics and Personal Finance | | 1 | |
| Electives | | 1 | |
| Student Selected Test | | | 1 |
| Total | | 22 | 6 |

Option 1: Entering as a Freshman prior to 2010-2011
 Option 2: Entering as a Freshman in 2010-2011 or after

English: SOL tests given in English 11 Writing and English 11 Reading/Literature and Research.

Mathematics: Must include 2 courses from among Algebra I; Geometry; Algebra Functions and Data Analysis; Algebra II; or others above Algebra and Geometry. SOL tests are given in Algebra I, Geometry, and Algebra II.

Science: Must include at least 3 courses from among Earth Science, Biology, Chemistry, AP Environmental Science and Physics. SOL tests are given in Earth Science, Biology, and Chemistry.

Social Studies: Must include VA and U.S. History, VA and U.S. Government and one more from among World Geography, World History I, or World History II. SOL tests are given in all social studies courses except VA and U.S. Government.

Career & Technical: Must satisfy requirements to be a program completer. Industry certification must be completed if offered.

Modified Standard Diploma Requirements

| Subject | Standard Credit | |
|-------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| English | 4 | This diploma is for certain students with disabilities who do not meet the requirements for a Standard Diploma. Participation in the Modified Standard Diploma option is determined by the student, his/her parents, and the I.E.P. team. To receive this diploma, students must pass the 8th grade Math SOL test and 8th grade Reading/Literature/Research SOL test. |
| Mathematics | 3 | |
| Science | 2 | Mathematics: Must include courses from Algebra I, Geometry, and Personal Finance & Economics. |
| Social Studies | 2 | Science: Must include at least 2 courses from the following courses: Earth Science, Biology, Chemistry, AP Environmental Science and Physics. |
| Health/Dr. Ed/ PE | 2 | Social Studies: Must include VA and U.S. History, and VA and U.S. Government . |
| Fine Arts or CTE | 1 | Electives: Two of the six electives must be sequential. |
| Electives | 6 | |
| Total | 20 | |

IEP Diploma

Requirements for the I.E.P. Diploma are outlined in the special education students/ Individualized Education Plan.

To see the full text of the Standards of Accreditation, visit www.doe.virginia.gov/VDOE/Accountability/soa.html

Virginia High School League Rules for Athletics and Academic Bowl Eligibility

28-4-1 Scholarship Rule: The student shall be currently enrolled in not fewer than five subjects, or their equivalent, offered for credit and which may be used for graduation, and have passed five subjects, or their equivalent, offered for credit which may be used for graduation the immediately preceding semester for schools that certify credit on a semester basis. You may not count a repeat class as part of the five if you have previously received credit for the class.

28-4-2 Age Rule: The student shall not have reached the age of 19 on or before the first day of August of the school year in which he/she wishes to compete.

NCAA/NAIA Academic Eligibility and Approved Courses

If you are a high school athlete and you wish to participate in athletics as a freshman in college, you must apply to the NCAA Clearinghouse or the NAIA before graduation or preferably the end of your junior year. To qualify you must graduate from high school, complete a core list of subjects and attain a certain level on your ACT or SAT test. These rules are varied for the different levels. Please see either the Athletic Director or your Guidance Counselor for more information on this process.

2010/11 SEQUENCES FOR CAREER/TECHNICAL CERTIFICATES

BUSINESS

Keyboarding Applications (18 wks)/Word Processing (18 wks) – Grades 8 - 12

And, any two 36-week courses or semester equivalents that equal two 36-week courses

Accounting – Grades 10, 11, 12
Advanced Accounting – Grades 11, 12
Computer Information Systems – Grades 10, 11, 12
Advanced Computer Information Systems – Grades 11, 12
Design, Multimedia and Web Technologies – Grades 9, 10, 11, 12
Principles of Business Marketing (18 wks) – Grades 11, 12
Business Management (18 wks) – Grades 11, 12
Cooperative Education – Grades 11-12

FAMILY AND CONSUMER SCIENCES

CULINARY ARTS

Culinary Arts I – Grades 10, 11, 12
Culinary Arts II – Grades 11, 12

TECHNOLOGY

COMMUNICATION AND INFORMATION TECHNOLOGY

Communication Systems – Grades 9, 10, 11, 12
Graphic Communication Systems – Grades 10, 11, 12

TECHNICAL DESIGN AND ILLUSTRATION

Technical Drawing and Design – Grades 9, 10, 11, 12
Engineering Drawing and Design – Grades 10, 11, 12

TRADE AND INDUSTRIAL

T & I COMPLETERS

All completers of a Trade and Industrial Education program must successfully pass the minimum competencies of each program. These four programs are Auto Mechanics, Carpentry/Cabinetmaking, and Industrial Maintenance Technology.

AUTO MECHANICS

Auto Servicing I – Grades 9, 10, 11, 12
Auto Servicing II - Grades 10, 11, 12
Auto Servicing III - Grades 11, 12

CARPENTRY/CABINETMAKING

Carpentry I – Grades 9-12
Carpentry II – Grades 10, 11, 12

Carpentry III – Grades 11, 12
Cabinetmaking I/ II Grade 12

INDUSTRIAL MAINTENANCE TECHNOLOGY

Industrial Maintenance Technology I – Grades 9-12
Industrial Maintenance Technology II – Grades 10, 11, 12
Industrial Maintenance Technology III – Grades 10, 11, 12