

BATH COUNTY SCHOOL BOARD

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

**SUBJECT:**                      SUPERINTENDENT’S REPORT - ACTION

BCHS 2014-15 Program of Studies

**BACKGROUND:**                      The 2014-2015 BCHS program of studies is presented for your approval.

**RECOMMENDATION:**                      Approval is recommended.

# Memorandum

---

**To:** Sue Hirsh  
**CC:**  
**From:** Sarah Rowe  
**Date:** 12/18/2013  
**Re:** 2014-2015 Program of Studies

---

Please find attached a copy of our proposed Program of Studies for the school year 2014-2015. We have not added any new courses this year. The single change that we have made is to make the Economics and Personal Finance course a designated course for sophomores, juniors and seniors. In delivering the course over the last couple of years we have determined that the course is best suited for the older students.

Please let us know if you require any additional information.

**Bath County High School**  
**Program of Studies**

Dear BCBS Students and Parents:

To follow is the 2014-2015 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, BCBS Counselors for assistance.

As we prepare our students for their demanding future please remember that the graduation requirements are 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 needs 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. Many of these programs can 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 post high school plans 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 parent 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

## TABLE OF CONTENTS

|   |       |
|---|-------|
| Bath County High School Mission Statement               | 3     |
| Introduction  | 3     |
| Bath County High School Course Offerings by Grade Level | 4-6   |
| English   | 7-8   |
| Math  | 8-10  |
| Science   | 10-11 |
| Social Studies  | 11-12 |
| Health/PE/Drivers Education                             | 12-13 |
| Foreign Language  | 13    |
| Fine Arts   | 14    |
| Dabney S. Lancaster Community College                   | 14-15 |
| Career/Technical Courses                                | 15-21 |
| Business Management & Administration                    | 15-17 |
| Hospitality & Tourism                                   | 17-18 |
| Transportation, Distribution & Logistics (Automotive)   | 18    |
| Architecture & Construction                             | 18-19 |
| Engineering & Technology                                | 20    |
| Information Technology                                  | 20-21 |
| Special Programs  | 21    |
| Policies & Procedures                                   | 21-28 |
| Program Planning/Scheduling                             | 21-22 |
| Grade Scale/GPA/Class Rank                              | 22    |
| Grade Level Classification                              | 22    |
| High School Credit Earned in 8 <sup>th</sup> Grade      | 22    |
| Special Education                                       | 22    |
| Alternative Education                                   | 22    |
| Diploma Seals   | 23    |
| Diploma Types   | 24-26 |
| VHSL  | 26    |
| NCAA/NAIA   | 26-27 |
| 2011/2012 Sequences for CTE Certification               | 27-28 |

\*\*\*\*\*  
\*\*\*\*\*

## **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 8<sup>th</sup> grade class, each student will have an Academic & Career plan on file with the Guidance Office. Beginning in 7<sup>th</sup> grade students begin mapping out their high school and future plans. Ultimately, during the 8<sup>th</sup> 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**

**8<sup>TH</sup> GRADE**

English 8  
English 8 Advanced Studies  
World Geography  
Math 8  
Pre-Algebra  
Algebra I  
Physical Science 8  
PE 8

**CAREER EXPLORATION**

**ELECTIVES:**

Band  
Digital Input Technologies

Computer Solutions  
Introduction to Technology (Shop)

**9<sup>TH</sup> GRADE**

English 9  
English 9 Advanced Studies  
World Geography  
World History I  
Math 8  
Pre-Algebra  
Algebra I  
Geometry  
Earth Science  
PE 9

**ELECTIVES:**

Spanish I  
Nutrition & Wellness  
Technical Drawing and Design  
Carpentry I  
Information Technology Fundamentals

Keyboarding App/Word Processing  
Band  
Auto Mechanics I  
Computer Applications  
Art I

## **10<sup>th</sup> GRADE**

English 10  
English 10 Advanced Studies  
World History I  
World History II  
Economics & Personal Finance  
Algebra I  
Geometry  
Algebra Functions & Data Analysis  
Algebra II  
Biology  
PE 10 (includes Drivers Education)

## **ELECTIVES:**

Spanish I, II  
Sociology/Economics  
Keyboarding/Word Processing  
Design, Multimedia and Web Technologies  
Accounting  
Computer Information Systems  
Nutrition & Wellness  
Culinary Arts I  
Technical Drawing & Design  
Engineering Drawing & Design  
Auto Mechanics I, II  
Carpentry I, II  
Band  
Art I or II

Economics and Personal Finance  
Electricity I  
Renewable Energy  
Computer Applications  
Information Technology Fundamentals  
Programming

## **11<sup>th</sup> GRADE**

English 11  
VA/US History  
Economics & Personal Finance  
Algebra I  
Algebra Functions & Data Analysis  
Discrete Mathematics  
Earth Science II

English 11 Advanced Studies  
AP US History

Geometry  
Algebra II  
Math Analysis (Pre-Calculus)  
Chemistry

## **ELECTIVES:**

Spanish I, II, III  
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  
Nutrition & Wellness  
Computer Information Systems  
Programming

Technical Drawing and Design  
Auto Mechanics I, II or III  
Electricity I or II  
Band

Design, Multimedia & Web Technologies  
Advanced Accounting  
Business Management  
Culinary Arts I, II  
Computer Maintenance  
Renewable Energy

## **12<sup>th</sup> GRADE**

English 12  
English 12 Advanced Studies  
VA/US Government  
Economics & Personal Finance  
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  
Nutrition & Wellness  
Computer Information Systems  
Engineering Drawing and Design  
Carpentry I, II, III  
Industrial Cooperative Training  
Art I, II, III  
Programming  
Electricity I, II or III  
DSLCC Dual Enrollment (Political Science, Speech, Psychology and Welding & Advanced Manufacturing)

Sociology/Economics  
Design, Multimedia and Web Technologies  
Advanced Accounting  
Business Management  
Culinary Arts I or II  
Technical Drawing and Design  
Auto Mechanics I, II, III  
Cabinetmaking II  
Band

Computer Maintenance  
Renewable Energy



## 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 is completed 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 is utilized 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 Credits**

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**

**Pre-Algebra – 0 Credits**

The objectives will include Math 8 standards of learning and basic Algebra standards of learning, which include, but are not limited to solving equations and inequalities, statistics, and linear equations. For eighth grade students, this course will serve as an introduction to the concepts found in Algebra I. Pre-Algebra is also offered as a bridge from Math 8 to Algebra I during the ninth grade year.

**Prerequisite: Teacher recommendation**

**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**

Provides 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**

### **CALCULUS - 1 Credit**

This course is intended for students who have a thorough knowledge of college preparatory mathematics. Students will do extensive work with graphing, limits, the derivative and integration. Use of a graphing calculator is required for this class.

**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. The AP Exam costs approximately \$85 and this expense will be the responsibility of the student and/or parent.

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

**Grade: 12**

## **SOCIAL STUDIES**

### **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**

**Grades: 10-12**

**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. The AP exam costs approximately \$85 and this expense will be the responsibility of the student and/or parent.

**Prerequisite: Teacher Permission and placement essay**

**Grade: 11**

**ECONOMICS AND PERSONAL FINANCE – 1 Credit**

*This course is required for students who entered 9<sup>th</sup> 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. This course may be taught through Virtual Virginia.

**Prerequisite: None**

**Grades 10-12**

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

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: Health and Physical Education 8**

**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. However, students who intend on pursuing the Jackson River Governor’s School program should consider beginning Spanish in 8<sup>th</sup> grade. College bound students are advised to investigate the specific requirements of the college in which they have an interest. Some colleges require that you have four years of a foreign language.

### **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.**

**Grades: 9-12**

### **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: 10-12**

### **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 late July/early August. 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**

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**

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

### **SPD110 INTRODUCTION TO SPEECH COMMUNICATIONS**

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 BOTH COURSES EACH SEMESTER. Please see note below about payment of courses.**



The following Welding & Advanced Manufacturing/Wind Energy 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
- ELE 180 – AC and DC Circuit Fundamentals
- MEC 161 – Basic Fluid Mechanics Hydraulics/Pneumatics

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 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 10 dual enrollment and 2 welding/adv manufacturing students. Enrollment numbers will be based on tuition and budgeted allotment. Tuition will be due to in July and December and is approximately \$375 per 3 credit course.

### **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 15<sup>th</sup>. Applicants should be currently enrolled in the 10<sup>th</sup> 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).

Stanford 9 scores: 90<sup>th</sup> percentile or above.

PSAT/SAT scores: 90<sup>th</sup> percentile or above.

Attendance: Consistent

Teacher and Counselor recommendations

## **CAREER/TECHNICAL COURSES**

### **BUSINESS MANAGEMENT & ADMINISTRATION CAREER PATHWAY**

#### **DIGITAL INPUT TECHNOLOGIES – 0 Credits**

Digital Input Technologies introduces new and emerging input devices (e.g.) speech- and handwriting-recognition software, headset/microphone, personal digital assistant (PDA), scanner, digital camera, digital video camera, keyboard, and mouse) to prepare students for using tools that are becoming standard in the workplace and in everyday life.

**Prerequisite: Keyboarding skills**

**Grades: 8**

#### **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: 9-12**

**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: 9-12**

**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**

**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: 10-12**

**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**

**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**

## **ARTS, AUDIO/VIDEO TECHNOLOGY CAREER PATHWAY**

### **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**

## **HOSPITALITY & TOURISM CAREER PATHWAY**

### **NUTRITION & WELLNESS - 1 Credit**

In Nutrition & Wellness, students will focus on making choices that help promote wellness and good health. They will analyze relationships between psychological and social needs and food choices; choose foods that promote wellness; obtain and store food for self and family; prepare and serve nutritious meals and snacks; select and use equipment for food preparation; and identify strategies to promote optimal nutrition and wellness of school and community. Students will be involved in FCCLA activities and competition at the state level. This course is offered every other year and will be offered again in the 2014-2015 school year.

**Prerequisite: None**

**Grades: 9-12**

### **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 (Nutrition and Wellness suggested)**

**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- 12**

## **TRADE & INDUSTRIAL**

### **INTRODUCTION TO TECHNOLOGY 0 Credit**

Students study the resources of all technology, including tools, energy, materials, people, time, information and capital. This also includes the problem-solving process and various hands-on activities. They explore up to twelve systems of technology, including medical, agricultural and related biotechnologies, energy, and power, information and communication, transportation, manufacturing, and construction. Students relate the impact of technology on society, environment, and culture to future consequences and decisions. This is intended as the introductory course for Auto Servicing, Carpentry and Electricity programs.

**Prerequisite: None**

**Grades: 8**

## **TRANSPORTATION, DISTRIBUTION & LOGISTICS CAREER PATHWAY**

### **AUTO MECHANICS 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 MECHANICS 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 Mechanics I**

**Grades: 10-12**

### **AUTO MECHANICS 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: Auto Mechanics I and II**

**Grades: 11, 12**

## **ARCHITECTURE & CONSTRUCTION CAREER PATHWAY**

### **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**

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**

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 II – 2 Credits**

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: Carpentry I, II and III or Cabinetmaking I**

**Grade: 12**

### **ELECTRICITY I - 1 Credit**

Students will develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory, navigate the National Electrical Code Book, select and install conductors, and work with panel boards, switchboards, and generators.

**Prerequisite: None**

**Grades: 10-12**

### **ELECTRICITY II – 2 Credits**

Students continue to develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory and mathematical problems related to electricity, navigate the National Electrical Code Book, select and install conductors, examine lighting, communications and power systems, and work with conduit and raceways, panel boards, switchboards, grounding systems and generators. The instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

**Prerequisite: Electricity I**

**Grades: 10-12**

### **ELECTRICITY III – 2 Credits**

Students continue to develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory and mathematical problems related to electricity, navigate the National Electrical Code Book, select and install conductors, examine lighting, communications, and power systems, and work with conduit and raceways, panel boards, switchboards, grounding systems, and generators. 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.

**Prerequisite: Electricity II**

**Grades: 10-12**

## **ENGINEERING & TECHNOLOGY CAREER PATHWAY**

### **RENEWABLE ENERGY – 1 Credit**

This course will provide fundamentals and in-depth application of various renewable energies. Students will explore select renewable energy technologies, will gain hands-on experience in their design and function, and will practice installation skills.

**Prerequisite: None**

**Grades: 10-12**

### **TECHNICAL DRAWING AND DESIGN - 1 Credit**

In this foundation course, students learn the basic language of technical design, while they design, sketch and make technical drawings, illustrations, models, or prototypes of real design problems. Students develop spatial ability as they apply mathematical concepts to visual representations. The course is especially recommended for future engineering and architecture students.

**Prerequisite: Algebra I**

**Grades: 9-12**

### **ENGINEERING DRAWING AND DESIGN - 1 Credit**

Students explore the engineering design process and use a graphic language for product design, technical illustration, assembly, patent, and structural drawings. They increase their understanding of drawing and the design process and techniques learned in the prerequisite course. Students use computers, calculators and descriptive geometry and adhere to established standards to solve design problems.

**Prerequisite: Technical Drawing and Design**

**Grades: 10-12**

## **INFORMATION TECHNOLOGY CAREER PATHWAY**

### **COMPUTER SOLUTIONS – 0 Credits**

Students are introduced to the world of business using the computer as a problem-solving tool. Emphasis is placed on using basic touch keyboarding skills to complete a variety of projects incorporating word processing, database, presentation, and spreadsheet software. Basic Internet safety and computer maintenance issues are important components of this course.

**Prerequisite: None**

**Grade: 8**

### **COMPUTER APPLICATIONS – 1 Credit**

Students develop or review correct keyboarding techniques and gain a basic knowledge of word processing, spreadsheet, database, graphics, and telecommunications applications. Students demonstrate an understanding of computer concepts through application of knowledge. Students learn to use software packages and local and worldwide network communications systems. Grade 8 Computer/Technology Standards of Learning are incorporated and reinforced in this course.

**Prerequisite: Demonstrated or documented keyboarding skills**

**Grade 9-10**

### **INFORMATION TECHNOLOGY FUNDAMENTALS – 1 Credit**

Information Technology (IT) Fundamentals introduces the essential technical and professional skills required for students to pursue programs leading to professional careers and IT certifications. Students investigate career opportunities and technologies in four major IT areas: Information Services and Support, Network Systems, Programming and Software Development, and Interactive Media. Students will evaluate the impact of IT on other career clusters. The focus of the IT Fundamentals course is the introduction of skills related to information technology basics, Internet fundamentals, network systems, computer maintenance/upgrading/troubleshooting, computer applications, programming, graphics, Web page design

and interactive media. Students explore ethical issues related to computers and Internet technology and develop teamwork and communications skills that will enhance their employability.

**Prerequisite: Demonstrated or documented keyboarding skills**

**Grade 9-10**

### **PROGRAMMING – 1 Credit**

Students explore computer concepts, apply logic procedures and implement programming procedures with one or more languages, such as Visual Basic.Net, Java, C+, C++. Graphical User Interfaces, such as Alice, Game Maker, and Flash, may be used as students design and develop interactive multimedia applications. In addition, HTML or JavaScript may be employed to create Web pages. The cooperative education method is available for this course. Students combining classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

**Prerequisite: Keyboarding skills and Information Technology Fundamentals**

**Grade 10-12**

### **COMPUTER MAINTENANCE – 1 Credit**

Students enrolled in this course learn fundamental skills associated with maintenance of computers.

**Prerequisite: Informational Technology and Programming**

**Grade 11-12**

## **SPECIAL PROGRAMS**

### **EIGHTH GRADE CAREER INVESTIGATION – PHASE 1**

Phase I prepares students to be “career investigators.” To obtain the title, students must assess their roles in society, identify their roles as workers, analyze their personal assets, complete a basic exploration of career clusters, select career fields or occupations for further study, and create a plan based on their academic and career interest. All 8<sup>th</sup> grade students will participate in this class.

**Prerequisite: Required**

**Grade: 8**

### **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 8<sup>th</sup> 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 8<sup>th</sup> 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**

### **Governor’s Seal for Advanced Studies Diploma**

To receive the governor’s Seal on an advanced studies diploma, students must complete the following:

- All requirements for an Advanced Studies Diploma with an average grade of “B” (3.0 unweighted GPA) or better and
- college-level coursework that will earn the student at least 9 transferrable college credits in Advanced Placement (AP) or dual enrollment courses.

### **Virginia Board of Education Seal**

Students who complete the requirements for a Standard Diploma or Advanced Studies Diploma with an average grade of “A” shall receive a Board of Education Seal on the diploma.

### **Career and Technical Education – Virginia Board of Education’s Seal**

The Board of Education’s Seal for Career and Technical Education is awarded to students who meet the following:

- Requirements for a Standard or Advanced Studies Diploma
- 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 or an occupational competency assessment in a career and technical education concentration or specialization that confers certification or occupational competency credential from a recognized industry, trade, or professional association or acquire a professional license in that career and technical education field from the Commonwealth of Virginia.

The Board of Education shall approve all professional licenses and examination used to satisfy these requirements.

### **Advanced Mathematics and Technology – Virginia Board of Education’s Seal**

The Board of Education’s Seal of Advanced Mathematics and Technology is awarded top students who meet the following:

- Requirements for either a Standard or Advanced Studies Diploma;
- Mathematics requirements for the Advanced Studies Diploma (four Units of credit including AlgebraII; two verified units of credit) with a “B” average or better; and
- Pass an examination in a career and technical education field that confers certification from a recognized industry or trade or professional association, acquire professional license in a career and technical education field from the Commonwealth of Virginia, or pass an examination approved by the Board that confers college-level credits in a technology or computer science area.

The Board of Education shall approve all professional licenses and examinations used to satisfy these requirements.

### **Excellence in Civics Education – Virginia Board of Education’s Seal**

The Board of Education’s Seal for Excellence in Civics Education is awarded to students who meet the following:

- Requirements for either a Standard or Advanced Studies Diploma;
- Virginia and US History and Virginia and US Governments courses with a grade of “B” or better;
- Good attendance and no disciplinary infractions as determined by local school board policies; and
- 50 hours of voluntary participation in community service or extracurricular activities.\*

\*Activities that would satisfy these requirements include (a) volunteering for a charitable or religious organization that provides services to the poor, sick, or less fortunate; (b) participating in Boy Scouts, Girl Scouts, or similar youth organizations; (c) participating in JROTC; (d) participating in political campaigns or government internships, or Boys State, Girls State, or Model General Assembly; or (e) participating in school-sponsored extracurricular activities that have a civics focus. Any student who enlists in the US military prior to graduation will be deemed to have met this community service requirement.

# GRADUATION REQUIREMENTS

## *Advanced Studies Diploma Requirements*

| Subject                        | 1: Standard Credit | 2: Standard Credit | Verified Credit |
|--------------------------------|--------------------|--------------------|-----------------|
| English                        | 4                  | 4                  | 2               |
| Mathematics                    | 4                  | 4                  | 2               |
| Laboratory Science             | 4                  | 4                  | 2               |
| Social Studies                 | 4                  | 4                  | 2               |
| Health/Dr. Ed/ PE              | 2                  | 2                  |                 |
| Fine Arts or CTE               | 1                  | 1                  |                 |
| Foreign Language               | 3 or 4             | 3 or 4             |                 |
| Economics and Personal Finance |                    | 1                  |                 |
| Electives                      | 2 or 1             | 3 or 2             |                 |
| Student Selected Test          |                    |                    | 1               |
| <b>Total</b>                   | <b>24</b>          | <b>26</b>          | <b>9</b>        |

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 & 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.

**Standard Diploma Requirements**

| <b>Subject</b>                     | <b>1: Standard Credit</b> | <b>2: Standard Credit</b> | <b>Verified Credit</b> |
|------------------------------------|---------------------------|---------------------------|------------------------|
| 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                      |
| <b>Total</b>                       | <b>22</b>                 | <b>22</b>                 | <b>6</b>               |

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.

### *Modified Standard Diploma Requirements*

| Subject           | Standard Credit |
|-------------------|-----------------|
| English           | 4               |
| Mathematics       | 3               |
| Science           | 2               |
| Social Studies    | 2               |
| Health/Dr. Ed/ PE | 2               |
| Fine Arts or CTE  | 1               |
| Electives         | 6               |
| <b>Total</b>      | <b>20</b>       |

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:** Must include courses from Algebra I, Geometry, and Personal Finance & Economics.

**Science:** Must include at least 2 courses from the following courses: Earth Science, Biology, Chemistry, AP Environmental Science and Physics.

**Social Studies:** Must include VA and U.S. History, and VA and U.S. Government .

**Electives:** Two of the six electives must be sequential.

### *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](http://www.doe.virginia.gov/VDOE/Accountability/soa.html)

### ***Certificate of Program Completion***

In accordance with the requirements of the Standards of Quality, students who complete coursework defined by the local school board but have not earned the required verified credits for diplomas are awarded Certificates of Program Completion.

### **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.

## **2013/14 SEQUENCES FOR CAREER/TECHNICAL CERTIFICATES**

### **BUSINESS**

Keyboarding Applications (18 wks)/Word Processing (18 wks) – Grades 9 - 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 10, 11, 12  
Principles of Business Marketing (18 wks) – Grades 11, 12  
Business Management (18 wks) – Grades 11, 12  
Cooperative Education – Grades 11-12

### **HOSPITALITY AND TOURISM**

#### **CULINARY ARTS**

Culinary Arts I – Grades 9,10, 11, 12  
Culinary Arts II – Grades 10,11, 12

### **ENGINEERING & TECHNOLOGY**

#### **TECHNICAL DESIGN AND ILLUSTRATION**

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

### **INFORMATION TECHNOLOGY**

Computer Application (Grades 9, 10, 11, 12)  
Information Technology Fundamentals (Grades 9, 10, 11, 12)  
Programming (Grades 10, 11, 12)  
Computer Maintenance (Grade 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 Mechanics I – Grades 9, 10, 11, 12

Auto Mechanics II - Grades 10, 11, 12

Auto Mechanics III - Grades 11, 12

### **CARPENTRY/CABINETMAKING**

Carpentry I – Grades 9-12

Carpentry II – Grades 10, 11, 12

Carpentry III – Grades 11, 12

Cabinetmaking II - Grade 12

### **ELECTRICITY**

Electricity I – Grades 10, 11, 12

Electricity II – Grades 11, 12

Electricity III – Grade 12