

## ENGLISH COURSES

### **ENGLISH 9, 10, 11, 12**

1 Credit

English provides instruction for students who wish to attend a junior or community college or for those who plan to join the work force immediately after high school. Instruction provides opportunities for real-life applications of reading and communication and emphasizes the Virginia Standards of Learning.

### **PHOTOJOURNALISM I**

1 Credit

This course is a comprehensive, career development program that will expose students to the diverse careers that make up Journalism. It will focus on various aspects of photography, story writing, presentations and various computer applications involving how the jobs can get done. This will be accomplished with the use of a camera, journal writing, audio visuals, photo editing and presentation applications and several field trips into the community.

### **PHOTOJOURNALISM II**

1 Credit

A continuation of Photojournalism I, students will enhance skills previously learned. It will focus on various aspects of photography, story writing, presentations and various computer applications involving how the jobs can get done. This will be accomplished with the use of a camera, journal writing, audio visuals, photo editing and presentation applications and several field trips into the community.

### **CREATIVE WRITING I**

1 Credit

This course emphasizes developing an effective critique and provides a climate that enhances enjoyment of creative expression. Students will experiment with literary genres and with various techniques and forms.

### **CREATIVE WRITING II**

1 Credit

A continuation of course I, students will build upon and refine the skills and concepts developed previously and will be involved self-directed projects. Students will be encouraged to submit work for publication within and outside the school.

### **DEVELOPMENTAL READING**

1 Credit

Classes are designed for students requiring differentiated instruction in reading. This program provides an academically based opportunity for students to achieve a degree of mastery in phonemic awareness, phonics, fluency, vocabulary, and comprehension. Teachers support students' reading through continued assessment, the provision of instructional-level materials and planned interventions that reflect the student's Individualized Education Program, and the developmental nature of reading.

## HISTORY AND SOCIAL SCIENCES COURSES

### **WORLD HISTORY & GEOGRAPHY I (2219)**

1 Credit

Students will explore the historical development of people, places, and patterns of life from ancient times to approximately 1500 A.D. Historical topics and geo-graphical concepts will be linked to form a framework for studying history. Students will take the Standards of Learning test during this course.

### **WORLD HISTORY & GEOGRAPHY II (2221)**

1 Credit

This course will examine the geographic and historic themes from the middle ages to the present. A strong emphasis will be placed on the people and events that influenced modern issues. The link between geography and world history will be emphasized. Students will take the Standards of Learning test during this course.

### **VIRGINIA AND UNITED STATES HISTORY (2360)**

1 Credit

Students will examine the political, economic, social and cultural growth of the United States, including the role of Virginia. Students will study major historical developments and their impact on modern society. Map and globe reading and comprehension skills will be emphasized. Students will take the Standards of Learning test upon completion.

### **VIRGINIA AND UNITED STATES GOVERNMENT (2440)**

1 Credit

Students will examine both the structure and the function of the American government at the national and state levels. Students will study the American economy with an emphasis on consumer issues. They also will study the local government and the student's role as a citizen.

### **GLOBAL ISSUES**

1 Credit

This course will provide an opportunity for in-depth study of current world events. Present day news stories will determine topics with constant reference to weekly magazines and daily newspapers. In addition, students will investigate geographic, economic, social, and cultural background of current world events.

### **PSYCHOLOGY**

1 Credit

This course is designed to introduce students to the systemic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with major subfields such as research and methods, biopsychology, growth and development, learning and memory, and individual and group behavior.

## MATHEMATICS COURSES

### **PRACTICAL MATH**

1 Credit

Students examine the practical use of math in everyday life including equations, graphing, basic geometry such as calculating areas of various geometric shapes (triangles, surfaces of cylinders, etc), calculating volumes of three-dimensional shapes like cones, financial calculations like interest, installment buying, payment schedules, commissions, bank balances, household accounts, basic statistics, and much more.

### **PERSONAL LIVING AND FINANCE (3120)**

1 Credit

Students study personal financial decision making involved in daily life. Concepts learned include money management such as banking, budgeting, credit, taxes, insurance, and investments. Students learn how to transfer algebraic and geometric concepts into everyday usage such as finding averages, square footage, carpentry, proportions, etc.

### **ALGEBRA I PART I (3131)**

1 Credit

Algebra I Part I is designed to strengthen a student's background for algebra and to cover the first half of Algebra I. Students who successfully complete this course will take Algebra I Part II.

### **ALGEBRA I PART II (3132)**

1 Credit

Algebra I Part II is designed to cover the second half of algebra. Students will also have a brief introduction to topics that prepare them for Geometry. This course completes the Algebra I requirement. Students will take the Standards of Learning Algebra I test.

### **ALGEBRA I (3130)**

1 Credit

Algebra I is the complete course for the more advanced math student that prepares him/her for the Standards of Learning Algebra I test

### **GEOMETRY Part I (3144)**

1 Credit

This course will explore the same concepts as Geometry; however, the instruction will be given over a two-year period. This course is designed to meet the needs of the non-college bound student who needs to understand basic geometry. Upon successful completion of Part 1, students would be expected to enroll in Part 2 the following year. Students must successfully complete both parts in order to meet the state requirements for Geometry.

## MATHEMATICS COURSES CONTINUED

### **GEOMETRY Part II (3145)**

1 Credit

The second part of Geometry is a continuation of the basic elements of points, lines, and planes. Plane, solid and coordinate geometry are studied. The course is designed to develop effective methods of thinking through deductive reasoning. Students will take the Standards of Learning Geometry test upon completion of this course.

### **ALGEBRA II (3135)**

1 Credit

Algebra II expands and clarifies the concepts introduced in Algebra I. New topics include sequence and series, polynomial functions, introduction to logarithms, exponential functions, quadratic systems and conic sections. Emphasis is on algebraic processes and their use in problem solving. This course will enhance students understanding of the function concept. Students who complete this course will take the Standards of Learning Algebra II test.

## SCIENCE COURSES

### **EARTH SCIENCE (4210)**

1 Credit

In this course, the student studies five major areas: physical geology, historical geology, meteorology, astronomy, and oceanography. Laboratory experiments are part of this class.

### **EARTH SCIENCE II: GEOLOGY (4240)**

1 Credit

This in-depth course deals with the physical and historical aspects of the Earth. Emphasis will be placed on those geological processes and features that the student has encountered or may encounter during his lifetime. Extensive laboratory experiences and occasional field excursions are provided to enhance the students understanding and application of the course material.

### **EARTH SCIENCE II: OCEANOGRAPHY (4250)**

1 Credit

In this course the theories of Earth's structure and plate tectonics will be presented as a base on which to build the explanation of the physical features of the ocean floor. Students will study the physical properties of sea water, marine chemistry, marine organisms, salinity and density, circulation within the oceans, waves, currents, tides, and oceanographic instruments and research. Emphasis will be placed on the major skills of practicing oceanographers and scientists.

### **BIOLOGY (4310)**

1 Credit

This course provides a program in biology which is both laboratory and lecture-oriented. Included are the studies of cell structure and function, genetics, and the diversity of life. There is a strong emphasis on lab work.

### **BIOLOGY II: ECOLOGY (4340)**

1 Credit

This course is designed to help the student understand environmental principles, the consequences of human activities, and the impact of these activities on Earth. All students who will make future environmental decisions through their vote and through their actions as citizens could benefit from this class.

### **BIOLOGY II: ANATOMY AND PHYSIOLOGY (4330)**

1 Credit

This is an advanced course which covers anatomy, physiology, and the pathology of humans.

### **INTEGRATED SCIENCE**

1 Credit

This course integrates basic concepts in all areas of science and relates these concepts to the real world environment. While sharing topics found in physical, biological, and earth sciences, the emphasis is on making environmental connections and providing students with practical knowledge useful in understanding science of everyday life.

## FINE ARTS

### **ART I**

1 Credit

This is the first of a two-part series of Art Appreciation exploring art from 15,000 BC to the present. Students will study the concepts and principles of art including line, form, shape, texture, color and space. The students will work in various media such as charcoal, pencil, pen & ink, crayons, markers, water colors and acrylics. Field trips to area museums and art galleries as well as research will supplement instruction.

### **ART II**

1 Credit

This is the second of a 2-part series of Art Appreciation. Students will work with 3-dimensional projects, computer art, and literary art. The students will work in various media such as charcoal, pencil, pen & ink, crayons, markers, water colors and acrylics. Field trips to area museums and art galleries as well as research will supplement instruction

## HEALTH AND PHYSICAL EDUCATION COURSES

### **HEALTH AND PHYSICAL EDUCATION 9**

1 Credit

Physical Education instruction emphasizes the participation of lifetime fitness activities and how it relates to personal wellness. During the health portion of this course, students will study alcohol, tobacco and drugs, diseases of the body, mental and emotional health, safety and injury prevention and violence prevention.

### **HEALTH AND PHYSICAL EDUCATION 10**

1 Credit

Physical Education instruction emphasizes the participation of lifetime fitness activities and how it relates to personal wellness. Classroom Driver's Education is offered as part of the health requirement.

## FOREIGN LANGUAGE COURSES

### **GERMAN I (5210)**

1 Credit

In the beginning course, students gain an understanding of the components of a foreign language and of the study skills necessary to learn a foreign language. As students begin to develop skills in listening, speaking, reading, and writing, they engage in active practice in real-life situations and in a variety of cultural contexts.

### **GERMAN II (5220)**

1 Credit

In the second year, students continue to develop skills in listening, speaking, reading, and writing and to engage in active practice in real-life situations. Cultural study of the areas of the world where the language is spoken is expanded.

### **GERMAN III (5230)**

1 Credit

In the third year, students complete their study of basic grammar of the language and continue to learn to communicate in real-life situations with increasing precision and accuracy. Students explore the use of the language in a wide range of cultural contexts.

### **SPANISH I (5510)**

1 Credit

In the beginning course, students gain an understanding of the components of a foreign language and of the study skills necessary to learn a foreign language. As students begin to develop skills in listening, speaking, reading, and writing, they engage in active practice in real-life situations and in a variety of cultural contexts.

### **SPANISH II (5520)**

1 Credit

In the second year, students continue to develop skills in listening, speaking, reading, and writing and to engage in active practice in real-life situations. Cultural study of the areas of the world where the language is spoken is expanded.

### **SPANISH III (5530)**

1 Credit

In the third year, students complete their study of basic grammar of the language and continue to learn to communicate in real-life situations with increasing precision and accuracy. Students explore the use of the language in a wide range of cultural contexts.

## ELECTIVE COURSES

### **KEYBOARDING APPLICATIONS**

1 Credit

Students develop or refine touch keyboarding for the input of information. These skills are applied using computer software to produce a variety of personal and professional documents including resumes, letters, and reports.

### **COMPUTER APPLICATIONS I**

1 Credit

Computer/technology skills are essential components of every student's education. This is the first of a two-part series of computer training. Students will explore the business/personal life applications of word processing, spreadsheets, presentations with MS Powerpoint and database applications. Photo editing will also be introduced utilizing Corel Draw and Corel Paint.

### **COMPUTER APPLICATIONS II**

1 Credit

The second of the two-part series of computer training will explore various photo editing and publishing software programs that incorporate photos, music, sound and voice using MS Publisher, Windows Movie Maker, Photo Story, Coral R.A.V.E., Dreamweaver and Audacity. Students will create clay animations and design personal webpages.

### **LIFE SKILLS**

1 Credit

This is a comprehensive, career development program for students making the transition to life after high school. Students develop a life-management plan with emphasis on building and maintaining healthy relationships and functional families;

developing strategies for lifelong career planning; and establishing a plan for using resources. Textbooks, audio visuals, resources from the Internet, and several field trips into the community will supplement class instruction.

### **TRANSITION TRAINING I**

2 Credits

This course focuses on preparing students for the world of work through both classroom-based activities and a training site. Classroom instruction includes life skills instruction, career exploration and work-readiness training. After mastering the classroom, students are placed on a training site in the community to learning "real-life" employment skills.

### **TRANSITION TRAINING II**

2 Credits

A continuation of Part I, students will continue with a placement on a training site in the community to learning "real-life" employment skills. Students will also begin seeking competitive employment.

### **PRINCIPLES OF BUSINESS AND MARKETING (6115)**

1 Credit

Students explore the roles of business and marketing in the global economy. They learn to make decisions as consumers, wage earners, and citizens. Students will also enhance their interpersonal, communication, and employability skills.

