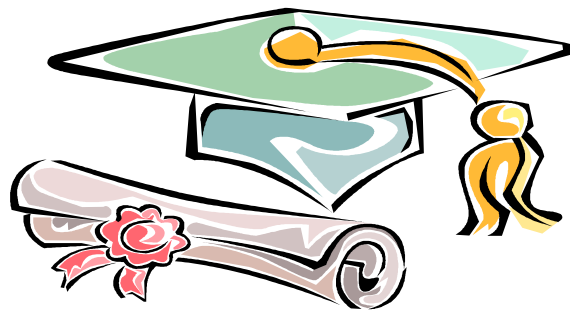


NARROWS HIGH SCHOOL

COURSE OFFERING DIRECTORY

2015-2016



Mark Husband, Principal
Todd Lusk, Assistant Principal
Leslie Hale, School Counselor
540-726-2384

CONTENTS

SECTION 1 – CORE COURSE AREAS **Page 5**

Language Arts/English **Page 5**

English 8
 English 9 & English 9 CP
 English 10 & English 10 CP
 English 11 & English 11 Honors
 English 12 & NRCC English

Math **Page 6**

SOL Math 8
 Algebra Prep & Algebra 1B
 Algebra 1
 Algebra, Functions & Data Analysis
 Geometry
 Algebra 2
 Advanced Algebra Trigonometry
 Math Analysis

Science **Page 6**

Earth Science
 Biology
 Ecology
 Physics
 Chemistry

Social Studies **Page 7**

Social Studies 8
 World Geography
 World History
 VA/US History Parts 1 & Part 2
 VA/US Government & NRCC Government
 NRCC History

Physical Education **Page 8**

Physical Education & Health 8
 Physical Education & Health 9
 Physical Education & Health 10; Drivers Ed

SECTION 2 – ELECTIVE COURSE AREAS**Page 8****Business****Page 8**

Computer Applications
 Accounting
 Business Law
 Business Management
 Word Processing
 Office Administration
 REAL
 Computer Information Systems
 Design, Multimedia, and Web Technologies
 Economics & Personal Finance
 Journalism - Yearbook

Family & Consumer Science**Page 9**

Life Skills 1
 Life Skills 2
 Introduction to Hospitality, Tourism, and Recreation
 Nutrition and Foods
 Parenting

Fine Arts**Page 10**

Art 1
 Art 2
 Studio Art
 Photography
 Introduction to Music
 Band (fall and spring)
 Chorus

Foreign Language**Page 11**

Spanish 1-3

Technical Education**Page 11**

Agriculture Mechanics and Basic Plant Science
 Agriculture Mechanics and Basic Plant Science II
 Agriculture Production Technology III
 Agriculture Production Technology IV
 Basic Technical Drawing
 Construction
 Introduction to Technology I
 Advanced Woodworking
 Industrial Exploration

SECTION 3: SUPPLEMENTARY ELECTIVES AND PROGRAMS **Page 12**

New River Community College Distance Learning **Page 12**

Southwest Governor's School **Page 12**

Virtual Virginia **Page 13**

Giles County Technology Center **Page 13**

Automotive Service Technology

Building Trades

Computer Systems Technology

Cosmetology

Drafting/Pre-Engineering

Nursing Assistant

Licensed Practical Nursing

Machine Technology

Welding

SECTION 1: REQUIRED CLASSES

LANGUAGE ARTS/ENGLISH

English 8

Course# 1120

This class will include a study of spelling, vocabulary, grammar, writing, and literature. Students will read poetry, short stories, short non-fiction, and novels. They will write paragraphs and essays in the forms of narrative, persuasive, literary, technical, and expository writing. Students will work on several short research projects using the MLA research model.

English 9 & English 9 College Prep (CP)

Course# 1130/1131

Students will read a variety of fiction and non-fiction in the form of short stories, essays, news articles, and novels. Students will complete several project based activities throughout the semester. They will also writing paragraphs and essays in the form of narrative, persuasive, literary, technical, and expository writings. Students will work on several short research projects and write a research paper using the MLA model. **CP course placement is based on teacher recommendation and English 8 grades and SOL scores.**

English 10 & English 10 CP

Course# 1140/1141

The focus on English 10 is the EOC Writing SOL Assessment. Therefore, the first half of the course will be dedicated to writing and grammar. The second half of the course we will focus on fiction and non-fiction in the form of short stories, essays, news articles, plays, poetry, and novels. Students will write paragraphs and essays in the forms of narrative, persuasive, literary, technical, and expository writings during the whole semester. Students will work on several short research projects and write a research paper using the MLA model. **CP course placement is based on teacher recommendation and English 8 – 9 grades and SOL scores.**

English 11 & English 11 Honors

Course# 1150/1151

This class will include a study of vocabulary, grammar, writing, and literature. Students will read poetry, short stories, short non-fiction, and novels. They will write paragraphs and essays in the forms of narrative, persuasive, literary, technical, and expository writings. Students will work on short research projects and a write research paper using the MLA model. **Honors course placement is based on teacher recommendation as well as English 8 – 10 grades and SOL scores.**

English 12

Course#1160

This class will include a study of vocabulary, grammar, writing, and literature. Students will read poetry, short stories, short non-fiction, and novels. They will write paragraphs and essays in the forms of narrative, persuasive, literary, technical, and expository writings. Students will work on short research projects and a write research paper using the MLA model.

NRCC English

Course # 1162

This dual enrollment course satisfies the high school requirement for English 12. Students develop writing ability for study, work, and other areas of writing based on experience, observation, research, and reading of selected literature. This course teaches writing as a process: understanding audience and purpose, exploring ideas and information, composing, revising, and editing. This class supports writing through composition, revision, and editing, as well as by the integration of experiences in thinking, reading, listening, and speaking. **Prerequisite: Student must complete the NRCC Placement test and qualify for ENG 111 & have a GPA of 2.5 or higher. Final admission to this course will be determined by a matrix that assesses grades, test scores, and teacher recommendations. Please see the requirements for dual enrollment classes listed under general electives.**

MATHEMATICS

SOL Math 8

Course# 3112

This course is designed as a real life application course. It is to better prepare students to deal with everyday issues by developing a range of problem solving skills. Many algebraic concepts will be covered to prepare students for Algebra 1.

Algebra Prep & Algebra 1B

Course # 3114

This course is designed for students who need Algebra 1 at a slower, more deliberate pace. Placement will be based on grades in previous math courses, SOL scores, and teacher recommendations. Algebra Prep and Algebra 1B are each one semester courses, combined, they will cover all of the VA Algebra 1 SOLs. Students will learn to make connections and to build relationships between arithmetic, algebra, and geometry. This course will help students use algebra as a tool for representing and solving a variety of practical problems; associations will also be made with other subject areas through practical applications. Tables and graphs will be used to interpret algebraic expressions, equations, inequalities, and to analyze functions. **Prerequisites: Students recommended for this class must pass Algebra Prep as a prerequisite to go on to Algebra IB.**

Algebra 1

Course # 3130

Algebra 1 is a semester course that will cover all of the VA Algebra 1 SOLs. Students will learn to make connections and to build relationships between arithmetic, algebra, and geometry. This course will help students use algebra as a tool for representing and solving a variety of practical problems; associations will also be made with other subject areas through practical applications. Tables and graphs will be used to interpret algebraic expressions, equations, inequalities, and to analyze functions. **Prerequisites: Students must successfully complete SOL Math 8 or pass Algebra Readiness Exam to take in place of SOL Grade 8 Math.**

Algebra, Functions, & Data Analysis

Course # 3134

This course provides an opportunity for mathematical ideas to be developed in the context of real-world problems. Students will be asked to collect and analyze univariate and bivariate data using a variety of statistics and analytical tools. They 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 the data and to predict the placement of data points between and beyond given data points. **Prerequisites: Algebra 1**

Geometry

Course # 3143

Students will learn to make connections and to build relationships between algebra, arithmetic and geometry. Associations will also be made with other subject areas through practical applications. This course will help students use geometry as a tool for representing and solving a variety of practical problems. Shapes, figures, lines and angles will be studied. **Prerequisites: Algebra 1; based on teacher recommendation some students will be required to take Algebra, Functions and Data Analysis as a prerequisite to Geometry.**

Algebra 2

Course # 3135

Grade level(s): 9-12

Students learn to make connections and to build relationships between algebra, arithmetic, geometry, probability and statistics. An SOL test is given at the end of course. **Prerequisites: Algebra 1, Geometry. A "C" or better in Algebra 1 and Geometry is recommended. Otherwise, individual evaluation by the school counselor and course instructor will be required.**

Advanced Algebra/Trigonometry

Course # 3161

Grade level(s): 9-12

This class is designed for students who are capable of a more rigorous course at an accelerated pace. Trig is the study of trigonometric definitions, applications, graphing, and solving equations/inequalities. Each student will need a separate notebook just for Trig, and a graphing calculator (TI-83 or higher). Students may use one of the school calculators if they sign a contract agreement and supply a four pack of AAA batteries. **Prerequisites: Algebra 1 & 2, Geometry. Students should earn a "C" or better in Algebra 2 to be eligible for this course.**

Math Analysis

Course # 3162

Grade level(s): 9-12

Mathematical Analysis consists of a proof approach and provides an introduction to modern algebra and pre-calculus. The student is encouraged to pursue areas of weakness and/or areas of intended concentration. Student will need a separate notebook just for math analysis and a graphing calculator (TI-83 or higher). Students may use one of the school calculators if they sign a contract agreement and supply a four pack of AAA batteries. **Prerequisites: Algebra 1 & 2, Geometry, Adv. Alg/Trig**

SCIENCE

Physical Science

Course # 4125

Physical Science is the study of interactions of matter and energy. Students will approach the subject through a number of integrated units, including scientific investigation; states and nature of matter; atomic theory; periodic table; chemical reactions; energy transfer; work, force, and motion; sound; light; and electricity and magnetism. Each unit will involve student investigation through experimentation, and projects.

Earth Science**Course # 4210**

Earth Science connects the study of the Earth's composition, structure, processes, and history; its atmosphere, fresh water, and oceans; and its environment in space. Major topics of study include plate tectonics, the rock cycle, Earth history, the oceans, the atmosphere, weather and climate, and the solar system, expanding out into the universe. **Prerequisite: Physical Science**

Biology**Course # 4310**

Biology, quite simply, is the study of life. Students will cover a number of topics associated with living things, including the chemical basis of life, cell structure, organismal physiology, genetics, evolution, and ecology. **Prerequisite: Earth Science**

Ecology**Course # 4340**

This course is an elective course designed to enhance students' understanding of the interaction of the living world with its respective environments. This course also offers a strong environmental science element dealing with the impact of humankind on the planet.

Prerequisite: Biology

Physics**Course # 4510**

Physics provides an in-depth study of the interactions of matter and energy. Topics will include scientific reasoning, data analysis and interpretation, force and motion, energy transformations, wave phenomena, and electricity and magnetism. The course will focus on practical applications and physics in the world around us. **Prerequisite: Successful completion of Algebra 2 with a minimum of a "C". For the 2014-15 school year, Physics will be offered through Virtual Virginia.**

Chemistry**Course # 4410**

Chemistry is an in-depth study of matter and its interactions. Topics will include scientific mathematics; laboratory practices; matter; atomic theory; the periodic table; chemical compounds and reactions; stoichiometric relationships; thermodynamics; gas behavior; and kinetics and equilibrium. Each unit will involve student investigation through experimentation and projects. EOC Test Required.

Prerequisite: Successful completion of Algebra 2 with a minimum of a "C".

SOCIAL STUDIES**Social Studies****Course # 2220**

Students will cover American History from the arrival of early Americans through the new millennium. Students will also cover the economic systems of the United States as well as various other nations' financial systems. The study of geography will also be reviewed during the school year.

World History**Course # 2341**

This course will enable students to explore the historical development of people, places, and patterns of life from ancient times until 1500 A.D. (C.E.) in terms of the impact of Western civilization. The study of history rests on knowledge of dates, names, places, events, and ideas. Historical understanding, however requires students to engage in historical thinking, raise questions, and marshal evidence in support of their answers. Students will engage in historical thinking by drawing upon chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and decision making.

World Geography**Course # 2210**

The focus of this course is the study of the world's peoples, places, and environments, with an emphasis on world regions. The knowledge, skills, and perspectives of the course are centered on the world's population and cultural characteristics, landforms and climates, economic development, and migration and settlement patterns. Spatial concepts of geography will be used as a framework for studying interactions between humans and their environments. Using geographic resources, students will employ inquiry, research, and technology skills to ask and answer geographic questions. Particular emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. **Prerequisite: Completion of Social Studies 8 OR 8th grade students wanting to take this class in place of Social Studies 8 must have achieved at "A" in 7th grade civics and scored advanced on the associated SOL.**

Virginia US History; Parts 1 and 2**Course #: 2361 & 2362**

This is a two semester course covering Virginia and US History. Part 1 provides a survey of the history of the US from the period of Colonial America to Post Civil War. Part 2 provides a survey of the history of the United States from a period of Progressive Era through present day. All major periods of history will be covered, including political, economic, and cultural history. The study will be in chronological order with emphasis on the events, people, and movements, which played a key role in the particular time period of the United States and Virginia history. **This is a two part course; Part 1 will traditionally be taken during the second semester of a student's sophomore year, Part 2 will be taken the first semester of a student's junior year.**

NRCC History**Course # 2363**

This dual enrollment class meets the high school requirement for VA/US History I-II. The class surveys United States history from its beginning to the present. **Prerequisite: Must have successfully completed US/VA History I. Student must complete the NRCC Placement test and qualify for ENG 111 & have a GPA of 2.5 or higher. Final admission to this course will be determined by a matrix that assesses grades, test scores, and teacher recommendations. Please see the requirements for dual enrollment classes listed under general electives.**

United States and Virginia Government**Course # 2440**

Students will understand the origins and workings of the American and Virginia political systems. Students will acquire knowledge of the SU and Virginia Constitutions; the structure and operation of the US and VA governments; the process of policy-making, with emphasis on economics, foreign affairs, and civil rights issues; and the impact of the general public, political parties, interest groups, and the media on policy decisions. US political and economic systems are compared to those of other nations, with emphasis on the relationships between economics and political freedoms. Economic content covers the US market system, supply and demand, and the role of the government in the economy.

NRCC VA/US Government**Course # 2441**

This dual enrollment class meets the high school requirement for VA/US Government. The focus of this course is upon developing the knowledge that enables citizens to participate effectively in civic and economic life. Students will examine fundamental constitutional principles, the rights and responsibilities of citizenship, the political culture, the policy-making process at each level of government, and the operation of the United States market economy. **Prerequisite: Student must complete the NRCC Placement test and qualify for ENG 111 & have a GPA of 2.5 or higher. Final admission to this course will be determined by a matrix that assesses grades, test scores, and teacher recommendations. Please see the requirements for dual enrollment classes listed under general electives.**

PHYSICAL EDUCATION**Physical Education & Health 8****Course # 7210**

This course is designed to develop the student's knowledge, understanding, and skills necessary to participate in physical activities and maintain overall physical fitness.

Physical Education & Health 9**Course # 7300**

This course is designed to cover the topics of: first aid, wellness, infectious diseases, proper hygiene, and sound nutrition. Physical education topics include basketball, volleyball, tennis, badminton, track and field, dance, softball, football, and physical fitness testing.

Physical Education & Health 10 & Drivers ED**Course #7405**

This course involves the following topics: rules and regulations, owning a vehicle, operation of a vehicle, maintenance of vehicles, and other aspects of becoming a licensed driver. Physical education units covered will be weight training, dance, tennis, badminton, golf, team handball, softball, basketball, football, and track and field.

SECTION 2: ELECTIVES**BUSINESS****Computer Applications****Course # 6611****Grade level(s): 8**

Students will develop or review correct keyboarding techniques and gain a basic knowledge of word processing, spreadsheet, database, and Internet applications. Students will demonstrate an understanding of computer concepts through application of knowledge. Students will learn to use software packages and to operate computers and printers. **Prerequisite: None**

Accounting**Course # 6320****Grade level(s): 10 - 12**

Students study the basic principles, concepts, and practices of the accounting cycle. Students learn fundamental accounting procedures using a manual and computer system. **Prerequisite: Must have completed Algebra 1 with a C average or above.**

Business Law**Course # 6131****Grade level(s): 11&12**

Students will examine the foundations of the legal system, the constitutional basis for law, the need for laws, and the difference between criminal and civil trial procedures. Students will be able to identify the rights and responsibilities of minors, as well as the mentally ill and the incarcerated. **Prerequisite: None**

Business Management**Course # 6135****Grade level(s): 10 - 12**

Students study basic management concepts and leadership styles as they explore business functions, economics, international business, and human relations issues such as employee motivation and conflict resolutions. **Prerequisite: None**

Word Processing**Course # 6625****Grade level(s): 9 - 12**

Students develop intermediate to advanced level word processing skills using a variety of software functions, including graphics and desktop publishing. **Prerequisite: Successful completion of 8th grade Computer Applications.**

Office Administration**Course # 6621****Grade level(s): 10 - 12**

Students enhance word processing and communication skills as they develop competencies needed by administrative support professionals. Students study office procedures such as filing, calculations, and clerical/secretarial duties. **Prerequisite: Although not required, it is strongly recommended that students complete either Computer Information Systems or Word Processing before taking this class.**

Real Entrepreneurship Action Learning (REAL) Course # 9094**Grade level(s): 10 - 12**

This course is designed to provide students with the means to start their own business. Students will identify characteristics of entrepreneurs; select a type of business ownership; analyze the community, the competitive environment, and customer needs; conduct market research; select resources, mentors, and professional advisors; analyze the marketing mix; make various financial calculations, including breakeven and cash flow; and plan business production, staffing, and operation. **Prerequisite: None**

Computer Information Systems**Course # 6612****Grade level(s): 9 - 12**

Students gain a basic knowledge of word processing, spreadsheet, database, and graphics applications. Students demonstrate an understanding of computer concepts through application of knowledge. **Prerequisite: Successful completion of 8th grade Computer Applications. This course can be taken as a Dual Enrollment with NRCC for qualified 11th and 12th grade students.**

Design, Multimedia, and Web Technologies**Course # 6630****Grade level(s): 10 - 12**

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 the course may prepare students for industry certification. **Prerequisite: Although not required, it is strongly recommended that students complete either Computer Information Systems or Word Processing before taking this class**

Economics & Personal Finance**Course # 6612****Grade level(s): 9 – 12**

Students will master economic concepts that will allow them to interpret the daily news, understand the interdependence of the world's economies, and anticipate how events will impact their lives. Students will learn how economies and markets operate, and how the United States' economy is interconnected with the global economy. Students will analyze real-world situations, make decisions, and solve problems to become more effective participants in the workplace. Students will also practice weighing costs and benefits when making choices and learn that their own knowledge and skills are their most valuable resources. **Prerequisite: None**

Journalism - Yearbook**Course # 1215****Grade level(s): 9-12**

Students will learn basics of sales, advertising, budgeting, and computer layout design and will produce a yearbook. Students will apply for acceptance into this course. Yearbook journalism is open to freshman, sophomores, juniors, and seniors. This course complements the English curriculum by enhancing communication and writing skills. A yearlong commitment is preferred. **Prerequisite: Must be a competent reader and writer – admission is by teacher approval.**

FAMILY & CONSUMER SCIENCE**Life Skills 1****Course # 8210****Grade level(s): 8-10**

Life Skills I focuses on encouraging the personal potential of self/others; enhancing positive views of self/others; managing stressful situations; formulating a plan to achieve career goals; forming healthy, caring relationships with family members/peers; managing conflict; choosing responsible ways to express one's self and evaluating the importance of responsible parenting to individuals, family/society. These will be accomplished through units of study in understanding self/others, leadership, nutrition and wellness, clothing, housing, money management and employability skills. Class fee is \$7.50.

Life Skills 2**Course # 8227****Grade level(s): 9-12**

Life Skills 2 focuses on developing a life-management plan; caring for self and others to ensure wellness; building and maintaining constructive relationships; building and maintaining strong functional families and examining available resources. These will be accomplished through units of study in understanding self and others, leadership, nutrition and wellness, clothing, housing, money management and employability skills. Class fee is \$7.50. **Prerequisite: Life Skills 1**

Introduction to Hospitality, Tourism, and Recreation Course # 8259**Grade level(s): 11-12**

Students enrolled in this course focus on developing professional skills and using emerging technologies to prepare for employment in this global industry rich in diverse career opportunities. The program includes instruction in the industries of lodging, food and beverage, travel and tourism, and recreation and fitness. Students may combine classroom instruction with supervised on-the-job training in an approved position with continuing supervision throughout the school year.

Nutrition and Foods**Course # 8229****Grade level(s): 9-12**

Nutrition and Food Science focuses on making choices that promote wellness and good health; relationships between psychological/social need/food choices; choosing nutritious food, obtaining/storing food, preparing/serving nutritious meals/snacks, selecting/using equipment for food preparation, applying food science principles and identifying strategies to promote optimal nutrition./wellness. Class fee is \$15.00. **Prerequisite: Life Skills 1**

Parenting**Course # 8232****Grade level(s): 10-12**

This course focuses on the development of children from birth to six years old. Students discuss prenatal development, preparing for birth, a baby's arrival, as well as the physical, emotional, and intellectual development of children at different ages. Caring for children and their health and safety is also a topic for study.

FINE ARTS**Art 1****Course #9120****Grade level(s): All**

The course of study is designed to be an introduction to basic concepts of two and three-dimensional arts and crafts. Hands on experiences reinforce the understanding of basic systems of drawing such as linear perspective, grid drawing, and freehand drawing. Color Theory will be explored using a variety of media. **Prerequisite: None**

Art 2**Course # 9130****Grade level(s): 9-12**

Art 2 is an elective open to students who have completed the proper pre-requisites. This course emphasizes the development of drawing and painting skills. Art and craft projects demonstrating use of elements and principles of design and skill development will be done as needed. **Prerequisite: Art 1**

Studio Art**Course # 9135****Grade level(s): 9-12**

This is a studio course that offers further opportunities for in-depth exploration of drawing and painting. At this level students have greater input in the selection of projects and materials. **Prerequisite: Art 1 & Art 2**

Photography**Course # 9193****Grade level(s): 9-12 * 8 with teacher approval**

This class covers basic operational use of a camera, how to create a good composition and take quality photographs. Students must have regular access to a 35 mm or digital camera for daily class use. Goals of this course are to add another media to our creative elective offerings as well as develop interest in photography as a career choice: photo journalism, portrait photographer, photo artist, historian, etc. Each student's assessment is based on mastery of the basic skills, use of camera in variety of settings and interesting, consistent compositions. A class fee of \$15.00 is required. **Prerequisite: None**

Introduction to Music**Course # 9222****Grade level(s): All**

Students will be exposed to a variety of musical aspects including music theory, ear-training, music history, and analysis, as well as exposure to vocal and instrumental performance. This course will also act as a necessary prerequisite to Band for those students who wish to take it as a new course. \$5.00 class fee is required. **Prerequisite: None**

BAND (Marching) (Fall)**Course # 9234****Grade level(s): All**

Students will continue in mastery of a musical instrument. Students are required to participate in the NHS Marching Band.

Prerequisite: Students must have taken band in elementary/middle school or completed Introduction to Music

BAND (Spring)**Course # 9234****Grade level(s): All**

Students will continue in mastery of a musical instrument. Students are required to participate in a spring concert. **Prerequisite:**

Students must have taken band in elementary/middle school. Or completed Introduction to Music

Chorus**Course # 9285****Grade level(s): All**

Students will understand and perform various styles of Choral music. Students will also learn various aspects of Music Theory. Students will be expected to learn all assigned music, be at all performances, and to meet the concert attire requirements. Students will be expected to learn to read musical notation and various aspects of theory as they apply to the music performed, perform material introduced in the method book, and participate in an ensemble setting. **Prerequisite: None**

FOREIGN LANGUAGE

Spanish 1

Course # 5510

Grade level(s): All

A minimum 75% average in core curriculum classes is strongly recommended. Students begin study of the four components of Reading, Writing, Listening, and Speaking. Stress is placed on pronunciation, acquisition of vocabulary, understanding of the spoken and written language, basic conversational skills and basic grammatical concepts such as the present tense of verbs and sentence structure. Students write in simple sentences and paragraphs. CDs, audiovisual materials and computer software are used to supplement the textbook in the development of basic skills. Students are introduced to the cultures and the geography of the Spanish speaking world. A grade of "B" is strongly recommended for first year students in order to progress to Spanish 2. **Prerequisite:** **Minimum 75% average in core curriculum classes (English, Science, Social Studies, and Math).**

Spanish 2

Course # 5520

Grade level(s): 9-12

Students learn more complex grammar concepts such as the preterit and the imperfect past tenses. Their writing will become more detailed. Listening and speaking activities are longer and more complex. Students study the Spanish speaking countries in more depth with an emphasis on South America. A minimum 75% average is required to continue on to Spanish 3. **Prerequisite:** **Successful completion of Spanish 1 with a minimum 75% average.**

Spanish 3

Course # 5530

Grade level(s): 9-12

More complex vocabulary and grammar concepts are introduced. Reading and listening selections increase in difficulty. Writing activities become more sophisticated and complex with the addition of a weekly journal. Emphasis is placed on the geography and culture of Spain. The class is conducted in Spanish and students are graded on their ability to communicate in Spanish. Therefore, only strong Spanish 2 students should go on to Spanish 3. **Prerequisite:** **Successful completion of Spanish 2 with a minimum 75% average.**

TECHNICAL EDUCATION

Agricultural Mechanics and Basic Plant Science I

Course # 8006

Grade level(s): All

This is an introductory class, introducing students to the field of agriculture and promoting agricultural literacy. Basic hand wood working and metalworking skills will be obtained. Safety and operation of equipment will be thoroughly covered before use. Other topics include plant science, soils, natural resource management, tractor operation, landscaping, and leadership. Time will be split equally between classroom and shop. FFA involvement is highly encouraged. A class fee of \$7.50 is required. **Prerequisite:** **None**

Agricultural Mechanics and Basic Plant Science II

Course # 8008

Grade level(s): 9-12

This is a more in depth agriculture course. Students will obtain more advanced training in woodworking and metalworking. Animal science, basic electricity, leadership, small engines, tractor operation and natural resource management will be covered as well. The class will be split equally between classroom and shop time. FFA involvement is highly encouraged. A class fee of \$7.50 is required. **Prerequisite:** **Agricultural Mechanics and Basic Plant Science I**

Agricultural Production Technology III

Course # 8010

Grade level(s): 9-12

Students will concentrate more on the management aspects of agriculture including basic business principles of agricultural production. Metal fabrication and power wood working using skills learned in previous courses will be utilized at a higher degree of difficulty. Other topics covered will include animal science, forestry and natural resource management, and biotechnology and tractor operation. The class will be split equally between classroom and shop time. FFA involvement is highly encouraged. A class fee of \$7.50 is required. **Prerequisite:** **Agricultural Mechanics and Basic Plant Science I & II**

Agriculture Production Management IV

Course # 8012

Grade level(s): 9-12

Students will create more advanced metal fabrication and woodworking projects. Basic livestock production, leadership skills, farm business management, and crop harvesting will also be covered. The class will be split equally between classroom and shop time. FFA involvement is highly encouraged. A class fee of \$7.50 is required. **Prerequisite:** **Agricultural Mechanics and Basic Plant Science I & II, and Agricultural Production Technology III**

Basic Technical Drawing

Course # 8435

Grade level(s): 9-12

Basic technical drawing provides training in manual and computer aided drafting. Each student will be exposed to architectural, electrical, structural, and mechanical drawing. Students will use all drafting tools including board triangles, compass, tools and t-squares. A class fee of \$7.50 is required. **Prerequisite:** **None**

Construction**Course # 8431****Grade level(s): 9-12**

Students will have hands on experience “building” starting with foundations, framing, sheathing, roofing, and siding. Electrical and plumbing if time permits. Students will be exposed to mathematic operations, measurement, materials and their properties, simple machines, hand tools, some power tools, various designs and drawings, safety rules and OSHA standards. A class fee of \$7.50 is required. **Prerequisite: Introduction to Technology I**

Introduction to Technology I**Course # 8483****Grade level(s): All**

It is required that students achieve a 100% grade on the shop safety test at the beginning of each class during each semester. Students will be introduced to technology through a variety of methods. Traditional “shop” procedures such as the use of hand tools, shop safety, the use of power tools, layout, and measuring will be covered, as well as an introduction to basic electricity, power, force, resistance, work, and energy systems. A \$7.50 class fee is required. **Prerequisite: None**

Advanced Woodworking**Course # 8488****Grade level(s): 9-12**

Students will build on their skills learned in Introduction to Technology I. They will further their understanding of hand tools, shop safety, power tools, layout and measuring, math, English, and communication skills. Students will be introduced to the steps of refinishing and the use of toners. Each student will explore the realm of furniture repair and estimating repair costs. Projects are not assigned but are more intricate and detailed than in Introduction to Technology I. A \$7.50 class fee is required. **Prerequisite: Introduction to Technology I**

Industrial Occupation Exploration**Course # 8472****Grade level(s): 9-12**

Students will enhance their skills learned in Introduction to Technology I and Advanced Woodworking. They will enhance their skills with hand tools, shop safety, power tools, layout and measuring, as well as Math, English and communication skills. The students will also study entrepreneurship and marketing. Students will be required to build two to three unassigned projects, with the aid of all the power tools. They will learn basic fundamental accounting skills for project cost, taxes, etc. A \$7.50 class fee is required.

Prerequisite: Introduction to Technology I & Advanced Woodworking.

SECTION 3: SUPPLEMENTARY ELECTIVES AND PROGRAMS

NEW RIVER COMMUNITY COLLEGE DISTANCE LEARNING

The following course offerings are based on what is proposed for the upcoming school year. **These courses are subject to change. Courses must be taken as a pair. FALL SEMESTER:** NRCC PSY 200 Principles of Psychology & NRCC SOC 200 Principles of Sociology. **SPRING SEMESTER:** NRCC ART 100 Art Appreciation & NRCC REL 230 Religions of the World.

The below criteria will be used to determine placement in these classes:

- **Upcoming seniors only**
- **Minimum 2.5 GPA**
- **Have had no waivers other than medical for attendance in the previous two years**
- **No suspensions in previous two years (excluding ISS)**
- **Must have two teacher recommendations (one from a core subject area)**
- **SOL test scores considered**
- **NRCC placement test**

Through Interactive Television (ITV), some courses taught from New River Community College are available for seniors at Narrows High School. New River will offer two courses each fall and spring semester through Interactive Television. In order for students to satisfy the scheduling requirements of the high school day, it is necessary to take these classes as a pair. Please note that these courses give 0.5 high school credits per course.

The Giles County School System, through a cooperative effort with New River Community College, teaches these courses at Giles and Narrows High Schools. There is no tuition charged and no books to purchase by the parent/guardian (**unless the student drops the class**). **If the student drops a NRCC distant learning class after the 10th class period, or fails the course, the parent/guardian will be sent an invoice to cover the cost of the tuition and textbooks.** Parents are financially responsible for students who enroll in college courses outside of those approved by Giles County Public Schools.

Please be aware that each distance learning NRCC course is worth 0.5 high school credits. By taking these classes without proper consideration and planning, your eligibility to play high school sports could be affected. Please see your coach or counselor if you have questions.

SOUTHWEST VIRGINIA GOVERNOR’S SCHOOL

Two year program for students in grades 11 & 12. The instructional program at SWVGS is designed to ensure a thorough grounding in science and mathematics, to help students develop verbal presentation skills, and to provide learning opportunities. This is a two year commitment. **Prerequisites: Students must have either completed, or be taking Algebra 2 at the time of application (10th grade). It is advised that students considering SWVGS take the PSAT during their 10th grade year. Admission by application**

VIRTUAL VIRGINIA

As a program of the Virginia Department of Education, Virtual Virginia (VVA) offers online Advanced Placement (AP®), world language, core academic, and elective courses to students across the Commonwealth and nation. Virtual Virginia is committed to providing high-quality, rigorous course content with the flexibility to meet schools' and students' varied schedules. Our program strives to provide instruction that meets the individual needs of students. Virtual learning is the new frontier in today's educational institutions. The technology of the 21st century provides a unique opportunity for educators to reach students who want the experience of online courses. Students admitted to a Virtual Virginia course must be approved by the School Counseling department. **For course offering information visit www.virtualvirginia.org or talk to your School Counselor.**

GILES COUNTY TECHNOLOGY CENTER PROGRAM DESCRIPTIONS

Automotive Service Technology

Two year program for students in grades 11 & 12. The automotive service technology program provides training in the repair and troubleshooting of cars, light trucks, and light duty diesels. Students learn to use tools and equipment to diagnose and repair problems in engines, suspensions, exhaust, transmission and electrical systems. **Dual Enrollment:** AUT 101 – Introduction to Automotive Systems (4 credits); AUT 265 – Automotive Braking Systems (4 credits). **Certifications:** OSHA 10 Hour General Industry Safety Training; ASE Student Certifications

Building Trades

Two year program for students in grades 11 & 12. The program trains students in the building and repair of residential homes including excavation layout, laying block, carpentry, electrical wiring and plumbing. Students gain hands on experience through building projects that have included modular homes and storage buildings. **Dual Enrollment:** BLS 110 – Introduction to Construction (3 credits). **Certifications:** OSHA 10 Hour Construction Safety Training; SkillsUSA Workforce Connect - Carpentry Skills Assessment

Computer Systems Technology

Two year program for students in grades 11 and 12. Students learn to construct, troubleshoot, service, and repair computer systems, related components and software, and install and maintain local area networks. **Dual Enrollment:** The first year is ITN 107–Personal Computer Hardware & Troubleshooting (4 credits); the second year is ITN 106 – Microcomputer Operating Systems (4 credits) and ITN 101–Introduction to Network Concepts (4 credits). **Certifications:** OSHA 10 Hour General Industry Safety Training; SkillsUSA Workforce Connect – Computer Maintenance Technology Skills Assessment

Cosmetology

Two year program for students in grades 11 & 12. The cosmetology program prepares students for state licensing as cosmetologists. Instruction includes, hair styling techniques, hair cutting, permanent waving and chemical straightening, hair coloring and hair lightening, nail technology, skin esthetics and makeup techniques, scalp and hair care. Professional ethics, beauty salon management, customer relations and retailing are also covered. **License:** Cosmetology through the Virginia Board of Cosmetology

Drafting/Pre-Engineering

Two year program for students in grades 11 & 12. Each student will be exposed to Architectural, Electrical, Structural, and Mechanical drawings. Students are also introduced to 3D Animation. During the second year students will be given problems to solve where one researches, designs, drafts, and constructs their ideas. This is a class where students actually have freedom to create and build their designs. **Dual Enrollment:** CAD 114 – Drafting I (3 credits), CAD 201 – Computer Aided Drafting and Design I (4 credits). **Certifications:** OSHA 10 Hour General Industry Safety Training; American Design Drafting Association Mechanical Drafter

Nursing Assistant I & II

A one school year program for students in either grade 11 or 12. The nursing assistant program provides training in the provision of basic care needs of patients/residents, measuring and recording vital signs, and CPR instruction. Students who are eligible must take the state competency exam after successful completion of this program. The nursing assistant program can be completed in 1 academic school year and meets the first 2 blocks of the day. **This course is a prerequisite to the Licensed Practical Nursing program.** **Dual Enrollment:** NUR 27 – Nurse Aide I (5 credits) **Certification:** Nursing Assistant through the Virginia Board of Nursing

Licensed Practical Nursing

18 months of instruction with students entering the program in 12th grade. This program provides training in the care of patients of all ages, in various stages of sickness or wellness, and with a variety of disease conditions. Instruction in Anatomy and Physiology, Nutrition I & II, Pharmacology I & II, Medical Surgical Nursing I & II, Psych Nursing, Maternal and Pediatric Nursing as well as other subject matters. This program is offered to 12th grade students only. Practical Nursing is an 18-month program for seniors. The first nine months is an academic school year taught at the Tech Center during the last 2 blocks of the day. The second nine month session is 4.5 hours of theory, three days a week, and 7 to 10 hours of clinical experience at various health care facilities. Students may take the Practical Nursing licensing exam after successful completion of the program. *Students are required to take Nursing Assistant I & II to be admitted into the Practical Nursing program. A pre-entrance test is given prior to admission. This test measures reading comprehension and basic math skills. An acceptable pre-set score must be met to enter into the Practical Nursing program.* **License:** Licensed Practical Nursing through the Virginia Board of Nursing

Machine Technology

Two year program for students in grades 11 & 12. The machine technology program provides training in the use of lathes, milling machines, surface grinders and layout tools for the shaping of metals into machine parts. Students also gain experience in CNC programming and mechanical blueprint reading and sketching. **Dual Enrollment:** MAC 106 – Machine Shop Operations (8 credits) **Certifications:** OSHA 10 Hour General Industry Safety Training; National Institute for Metalworking Skills Level 1 – Manual Milling

Welding

Two year program for students in grades 11 & 12. This program provides training in the use of oxy-acetylene welding and cutting, arc, MIG and TIG and plasma arc cutting. Students will develop skill in fabrication of metals according to diagrams, blueprints, or written specifications. Students will also learn layout and blueprint reading. **Dual Enrollment:** WEL 100 – Fundamentals of Welding (3 credits); WEL 123 – Shielded Metal ARC Welding (Basic) (4 credits). **Certifications:** OSHA 10 Hour General Industry Safety Training; SkillsUSA Workforce Connect - Welding Skills Assessment