

Riverdale High School

Mission Statement

The mission of Riverdale High School is to maintain a comprehensive educational program in a safe learning environment that will encourage students to achieve their potential and become productive citizens. Riverdale's mission is a

Life Long Commitment to Excellence.



2010-2011

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GRADUATION REQUIREMENTS
11th and 12th Grades
2010-2011

Regular Diploma

All students will meet the following core curriculum requirements for graduation:

Core Curriculum

English	4 Credits
Mathematics	3 Credits
<i>(For students entering the 9th grade in 2005-06 and after, credits must include Algebra II or Geometry)</i>	
Science	3 Credits
Social Studies	3 Credits
Wellness	1 Credit

Plus one of the following three programs of study:

College Prep Program

Foreign Language (<i>two years of the same language</i>)	2 Credits
Fine Arts	1 Credit
Electives	3 Credits
<i>Total required for graduation is 20 credits</i>	

Technical Prep Program

Program of study in one technical area	4 Credits
Electives	2 Credits
<i>Total for graduation is 20 credits</i>	

College-Tech Prep Program

Foreign Language (<i>two years of the same language</i>)	2 Credits
Fine Arts	1 Credit
Program of Study in One Technical Area	4 Credits
<i>Total required for graduation is 21 credits</i>	

All students must pass required Gateway examinations in Algebra I, Biology, and English II.

GRADUATION REQUIREMENTS
9th – 10th Grades
2010-2011

Core Curriculum

English	4 Credits
Mathematics	4 Credits of Math in high school
Science	3 Credits
Social Studies	3 Credits
Wellness	1 Credit
Physical Education	½ Credit
Personal Finance	½ Credit

Plus one of the following:

Foreign Language (two years of the same language)	2 Credits
Fine Arts	1 Credit
Electives	1 Credit
CTE Elective Focus or Academic Pathway	3 Credits

Total required for graduation is 23 Credits

or

Career & Technical Education (CTE) Elective Focus	
CTE Elective Focus Pathway	3 Credits
Electives	4 Credits

Total required for graduation is 23 Credits

(Graduation Information continued)

HONORS DIPLOMA

An Honors Seal may be placed on the diploma for students who complete requirements for either the College or the Technical curriculum, provided they maintain at least a 3.0 academic average

ACADEMIC DIPLOMA

To receive the Riverdale Academic Seal, a student must complete the requirements for the State Diploma with Honors via the College Prep path with no semester grade lower than a C and an overall average of 3.5. Students must enroll in a minimum of two Honors or Advanced Placement classes each school year.

CERTIFICATE OF ATTENDANCE

A Certificate of Attendance or a Diploma of Specialized Education is offered to students who cannot qualify for a Regular or State Honors Diploma.

ENGLISH – LANGUAGE ARTS

ENGLISH I: 1 Credit

Course #3001

This course offers language skills, which improve and promote the student's reading and writing abilities. Emphasis is placed on advanced skills to increase grammar efficiency, vocabulary and spelling skills, to motivate students to read, to discuss and analyze literature, and to introduce students to research methods. In addition, students are taught effective study skills to facilitate learning across the curriculum. Summer reading is optional for extra credit, which is completed before entering the class. Students will take the English I End of Course test toward the end of the second semester.

HONORS ENGLISH I: 1 Credit

Course #3001H

Prerequisite: Teacher Recommendation and a Pretest Score of 80%

This course is designed for the accelerated student who wishes to place greater emphasis on literary analysis and who realizes success requires extra preparation time and intensive class work. Included are mechanics in grammar, an introduction to research methods, literary genres, accelerated vocabulary units, writing experiences, and a parallel reading program, which emphasizes works of literary merit. Summer reading is optional for extra credit and must be completed before entering class. Students will take the English I End of Course test toward the end of the second semester.

ADVANCED HONORS ENGLISH I: 1 Credit

Course #3001A

Prerequisite: Teacher Recommendation and a Pretest Score of 80%

This course is part of the sequential program leading to the Advanced Placement Literature and Composition class taken during the senior year. Focus is on developing higher-level thinking skills through accelerated composition, in-depth reading, and analysis of literature. Students should have a mastery of grammar and mechanics, possess an aptitude for reading and writing, and realize that success depends on extensive preparation time and accelerated class work. This course requires one summer reading selection, which must be completed before entering class. Students will take the English I End of Course test toward the end of the second semester.

(English-Language Arts continued)

ENGLISH II: 1 Credit

Course #3002

Prerequisite: Successful Completion of English I or Honors English I

This course is designed to prepare students to enter college or to enter the work force after high school and includes a review and continuation of grammar fundamentals, introduction to paragraph writing, and a study of representative work literature. Besides varied selections of poems, short stories, and non-fiction, the course also includes the study of a novel and a Shakespearean play. In addition, students will continue to develop research skills. Outside reading each six weeks may be required; summer reading is optional for extra credit and must be completed before entering the class. At the end of the course, students will take the Gateway exam.

HONORS ENGLISH II: 1 Credit

Course #3002H

Prerequisite: Successful Completion of English I or Honors English I

This course is designed for the accelerated student who wishes to concentrate on the reading of selected literary works and develop his composition and analytical skills. Included is a review of the mechanics of grammar, an in-depth analysis of all genres of literature, accelerated vocabulary, and concentration on the writing of expository, narrative, and descriptive paragraphs. During the year, a parallel reading program will consist of additional works of literary merit. Summer reading is optional for extra credit and must be completed before entering the class. At the end of the course, students will take the Gateway exam.

ADVANCED HONORS ENGLISH II: 1 Credit

Course #3002A

Prerequisite: Successful Completion of Honors English I or Advanced Honors English I and Teacher Recommendation

This course is part of the sequential program leading to the Advanced Placement Literature and Composition class taken during the senior year and is designed for students in an academic program who intend to go to college. In addition to the honors curriculum, this course requires a greater depth of analysis and accelerated reading. Students who choose this course should realize that it requires extensive work in reading, literary analysis, and composition. Likewise, it is considered a preparatory course for eleventh grade AP English. Summer reading of one literary work is required and must be completed before entering the class. At the end of the course, students will take the Gateway exam.

(English-Language Arts continued)

ENGLISH III: 1 Credit

Course #3003

Prerequisite: Successful Completion of English II or Honors English II

Literature study consists of a chronological survey of American literature. A continuing study of grammar emphasizes the mastery of sentence structure, mechanics, and vocabulary. Composition assignments include the writing of paragraphs, a research essay, and book reports culminating in the Tennessee Writing Assessment in February and the writing of a research paper in the spring semester. Students study representative works of significant American authors and their relationship to specific periods in the United States history. This course will prepare students for English IV and is designed for students who want to enter the work force or college after high school. Summer reading is optional for extra credit, which is completed before entering the class.

HONORS ENGLISH III: 1 Credit

Course #3003H

Prerequisite: Successful Completion of English II or Honors English II and Teacher Recommendation

The English III Honors program is designed for the accelerated student who wishes to concentrate on the reading of selected literary works and to develop his composition and analytical skills. In addition to the chronological survey of American literature, this course will emphasize an in-depth analytical study of works of literary merit. Commensurate analytical essays, an accelerated vocabulary program, and independent study will be utilized. A research paper is required, and the Tennessee Writing Assessment will be given in February. Summer reading is optional and must be completed before entering class.

ADVANCED PLACEMENT ENGLISH III: 1 Credit

Course #3013

Prerequisite: Successful Completion of Honors English II or Advanced Honors English II and Teacher Recommendation

This course is designed for students who have exceptional skills and an interest in English. It is part of the sequential program leading to the 12th grade Advanced Placement Literature and Composition class. In addition to the honors curriculum, this course requires a greater depth of analysis and accelerated reading. One summer reading selection is required and must be completed before entering the class. Additionally, the Tennessee Writing Assessment will be given in February.

(English-Language Arts continued)

ENGLISH IV: 1 Credit

Course #3005

Prerequisite: Successful Completion of English III or Honors English III

This course is designed for students to meet basic high school graduation requirements, whether they intend to enter the work force, university, or junior college following graduation. This course is a survey of British literature with composition stemming from the study and analysis of the works of major British writers. This course covers writing short compositions and a major research paper. Summer reading is optional for extra credit to be completed before entering this class.

HONORS ENGLISH IV: 1 Credit

Course #3005H

Prerequisite: Successful Completion of English III, Honors English III, or Advanced Honors English III and Teacher Recommendation

The English IV Honors course offers the accelerated student the opportunity to focus on reading works of literary merit by British writers and to refine composition and analytical skills. Compositions consist of personal essays, argumentative essays, and analytical essays. Accelerated vocabulary study and research methods are a vital part of the course. Additional works of literary merit are required for outside reading throughout the school year. Summer reading is optional for extra credit and must be completed before entering the class.

ADVANCED PLACEMENT ENGLISH IV – LITERATURE AND COMPOSITION: 1 Credit

Course #3014

Prerequisite: Successful Completion of Advanced Honors English III or Honors English III and Teacher Recommendation

Advanced Placement English focuses on critical analysis of literature through writing assignments. Students are encouraged to develop critical standards for independent appreciation of literary works and sensitivity to literature as a shared experience much like the college experience. Works of literary merit are read during the year, followed by analytical writing and discussion. Students also study accelerated vocabulary and write a research paper on a major literary work. Students have the option of taking the nationwide Advanced Placement Examination administered by the College Board in order to receive college credit for the course. Additional works of literary merit are required for summer reading and must be completed before entering the class.

(English-Language Arts continued)

ENGLISH IV, COMMUNICATION FOR LIFE: 1 Credit

Course #30052

Prerequisite: Senior Status: Successful Completion of any English III course

English IV, Communication for Life is a senior level English course for average to above-average students who are either 1) going to a 4-year college or university, 2) enrolling in a technical or trade school, or 3) entering the job market. Before entering this program a student must have passed the English II Gateway exam because basic grammar and reading skills are not emphasized in this course. A good attendance record is highly recommended before enrolling in this course due to the collaborative learning nature of the course. Communication skills such as listening, public speaking, technical reading and writing, nonverbal communication, and vocabulary are the main focus of this course. Team building, problem-solving, conflict resolution, employability, and computer skills are major parts of the curriculum as well. A collaborative research project is required in the second semester. After completing this course, the student will be equipped with the communication skills needed to work and compete in a highly technological 21st century society.

ENGLISH IV, COMMUNICATION FOR LIFE- HONORS: 1 Credit

Course #30052H

Prerequisite: 12th grade Status: Successful Completion of any English III course

English IV Communication for Life is a nontraditional course that integrates the standards of writing, reading, viewing/representing, and speaking/listening with rigorous hands-on, technology-based curriculum. Students will comprehend and produce a wide variety of literary texts from all genres; recognize and create practical and persuasive forms of communication; and use technology to research, prepare, and present oral presentations. The course emphasizes the following components:

- Analysis of and responding to genres of literature, including, but not exclusive of
 - Drama
 - Non-fiction (Essays, letters, speeches, technical manuals)
 - 20th Century fiction
- The four types of communication (written, oral, visual, and nonverbal)
- Problem-solving and critical thinking skills necessary to enable students to deal effectively with cultural and ethnic diversity in a global world
- Research of topics and presentation of findings in both written *and* oral formats
- Technology as a tool for research and presentation of ideas
- Using the Internet as a valid and reliable resource
- Film: Critical viewing and representing in the 21st Century

English IV Communication for Life Honors is a course for students with above-average skills, who have good attendance records, and who plan to pursue a post-secondary degree at a four-year university and a career in business-related fields.

(English-Language Arts continued)

JOURNALISM: 1 Credit

Course #3008

Journalism studies the types of production of traditional and electronic printed and photo journalism and enables the students to learn writing and visual communication skills, providing them with career skills in many fields.

CONTENT AREA READING: 1 Credit (Grades 10-12)

Course #3081

The strategies will be applied in the content areas of English, Math, Science, and Social Studies. Skills will include processing and acquiring new vocabulary, organizing information (study skills), understanding visual representations, self-monitoring, and reflecting.

ACT PREP: 1/2 Credit (9 weeks Math/9 weeks English)

Course #9350

Prerequisite: Algebra I and/or Algebra II, Geometry, English I and II

Students will complete activities which pertain to a review and progression of mathematics and English as they apply to the material.

CREATIVE WRITING: 1 Credit (Grades 11-12)

Course #3012

Creative Writing is a course in which students study, analyze, and create literary composition in a variety of genres, and publish their work.

SPEECH: 1 Credit (Grades 9-12)

Course #3015

This course prepares the student to be a more effective communicator. Students will prepare ideas in an organized format, learn to speak clearly with poise, and learn critical listening skills.

ENGLISH AS A SECOND LANGUAGE

ENGLISH AS A SECOND LANGUAGE I (Beginner): 1 Credit

Course #3075A

ESL classes are designed to teach English to students of another native language. Students are provided with instruction designed to develop and improve their levels of proficiency in understanding, speaking, reading, and writing the English language.

ENGLISH AS A SECOND LANGUAGE II (Intermediate): 1 Credit

Course #3076

ESL ENGLISH I, II, III (For students whose native language is not English):

1 Credit

Course #3001E, 3002E, 3003E

These classes are designed to teach standard English to students of another native language who may need further help to master the English language. The curriculum includes both grammar and literature.

ESL U.S. HISTORY: 1 Credit

Course#3405E

For students whose native language is not English. The curriculum parallels that of other U.S. History classes.

MATHEMATICS

ALGEBRA I College Prep: 1 Credit

Course #3102

Prerequisites: Terra Nova performance level 70-89% assessment test 70-89 or above, and teacher recommendation.

Calculator: Students will be **required** to have a TI-83 or TI-83 Plus graphing calculator for this course. Students may choose to purchase their own or lease one from the school. Graphing calculator technology is utilized almost daily.

This course includes operations of Polynomials, applications of exponents including negative and zero, application of radicals, solving a variety of equations including absolute value, radicals, etc., solving, graphing, and applying inequalities, relations, linear functions, absolute value functions, systems of linear functions, Law of Large Numbers, permutations, combinations, algebraic rational expressions, and quadratic functions. The teaching strategies include technology, hands-on, cooperative learning, and application. The student will take the Gateway Math test at the end of this course.

ALGEBRA I AC: 1 Credit (Grade 9)

Course #31023

Algebra I AC is offered as an elective credit to supplement those students who need additional help to complete algebra.

ALGEBRA I AR: 1 Credit (Grade 9)

Course #31025

Students with qualifying disabilities as documented in the IEP shall be required to achieve Algebra I. The required number of credits will be achieved through increased instructional time, appropriate methodologies, accommodations and other differentiated instruction.

ALGEBRA I BR: 1 Credit (Grade 10)

Course #31026

Students with qualifying disabilities as documented in the IEP shall be required to achieve Algebra I. The required number of credits will be achieved through increased instructional time, appropriate methodologies, accommodations and other differentiated instruction.

(Mathematics continued)

ALGEBRA I Honors: 1 Credit

Course #3102H

Prerequisites: Terra Nova performance level above 90-99%, assessment above 90. Same as Algebra I College Prep and teacher recommendation (signature). Summer work is required for this course. Students will be tested on the summer work topics during the first week of school.

Calculator: Students will be **required** to have a TI-83 or TI-83 Plus graphing calculator for this course. Students may choose to purchase their own or lease one from the school. Graphing calculator technology is utilized almost daily.

This course includes everything that is in the Algebra I College Prep course, but it has more depth and is taught at a faster pace. Some Geometry and Algebra II concepts are covered. The student is expected to be self-motivated and capable of doing independent as well as group work. This is a fast-paced class in which a new objective is covered every day and all testing is cumulative. Exceptional Algebra I students will be strongly encouraged to take Honors or Advanced Honors Geometry. The student will take the Gateway math test at the end of this course.

GEOMETRY: 1 Credit

Course #3108

Prerequisite: One full credit in Algebra I

This course will review Algebra skills as new concepts in Geometry are taught. It includes topics such as coordinate geometry, transformations, points, lines, and planes, triangles, polygons, circles, and three dimensional figures. This course is designed to meet minimum graduation requirements.

HONORS GEOMETRY: 1 Credit

Course #3108H

Prerequisite: Teacher recommendation (signature) and Honors Algebra I or an above average grade in Algebra I. Summer work is required for this course. Students will be tested on the summer work topics during the first week of school.

This course includes the same topics taught in geometry, but with more depth and a faster pace. Some Algebra II, Trigonometry, and Pre-calculus topics are included. This course is designed for students planning to take Pre-calculus.

GEOMETRY CP: 1 Credit

Course #3108C

Prerequisite: College Prep Algebra I and/or teacher recommendation.

This course includes the same topics taught in Geometry, but with more depth and emphasis on preparation for standardized test (ACT) and college level math. This course is designed for those students planning to attend college.

(Mathematics continued)

ADVANCED HONORS GEOMETRY: 1 Credit

Course #3108AH

Prerequisite: Teacher recommendation (signature) and 93 or higher in Honors Algebra I or 8th grade Algebra I. A student should complete summer work before taking this course. Students will be tested on summer work topics during the first week of school.

(PREPARES STUDENTS FOR FUTURE AP COURSES)

More depth and faster pace is expected for this class. The student must be self-motivated and capable of independent or group work. The student is expected to be assigned problems with a minimum of guidance from the teacher.

ALGEBRA II: 1 Credit

Course #3103

Prerequisite: Student must have a credit in Algebra I, and Geometry is recommended.

Algebra II will provide an understanding of language, notion, application, of algebraic skills and the use of real and complex number systems. It will include the understanding of algebraic relations and functions, exponents, radicals, polynomial functions, quadratic relations and systems of equations, higher order degree polynomials, trigonometric functions, and identities, and some probability and statistics. This course is designed for those students not planning to attend college.

ALGEBRA II HONORS: 1 Credit

Course #3103H

Prerequisite: Teacher recommendation (signature) and Honors Algebra I or 8th grade Algebra I. Student must have a credit in Algebra I and Geometry. Summer work is required for this course. Students will be tested on the summer work topics during the first week of school.

This course includes the same topics taught in Algebra II, but with more depth and a faster pace. This course is designed for those students planning to take Pre-calculus.

ADVANCED HONORS ALGEBRA II: 1 Credit

Course #3103A

Prerequisite: Teacher recommendation (signature) and Honors Algebra I and Honors Geometry or Advanced Honors Geometry. A student should complete summer work before taking this course. Students will be tested on summer work topics during the first week of school. (PREPARES STUDENTS FOR FUTURE AP COURSES)

The student must be self-motivated and capable of independent or group work. The student is expected to be assigned problems with a minimum of guidance from the teacher. Honors Algebra II is a continuation of the advanced placement mathematics program. The scope, in depth, and pace will be more intense than Algebra II and will require much independent study. Those choosing to double-up with geometry course must seek Algebra I teacher's signature.

(Mathematics continued)

Algebra II CP: 1 Credit

Course #3103C

Student must have a credit in Algebra I and Geometry.

This course includes the same topics taught in Algebra II, but with more depth and an emphasis on preparation for standardized tests (ACT) and college level math. This course is designed for those students planning to attend college.

HONORS ADVANCED ALGEBRA AND TRIGONOMETRY: 1 Credit

Course #3124

Prerequisite: Algebra I, Algebra II, and Geometry

The primary purpose of this course is to synthesize concepts learned in previous mathematics courses while introducing a select number of new concepts. Topics will include solving multiple types of equations, exploring functions, analyzing trigonometric ratios, verifying and applying trigonometric identities solving triangles, solving systems of equations, exploring conic sections, and identifying and applying sequences and series. Also, the course will focus on developing students' mathematical processes including their ability to solve problems, use logic and reasoning, and make connections among various topics.

HONORS PRE-CALCULUS: 1 Credit

Course #3126H

Prerequisite: Student should have at least a "C" average in Algebra I, Geometry, and Honors Algebra II. Other students should take Advanced Algebra and Trigonometry.

This course is designed for those who seek a four-year college education with a technical major such as business, science, or mathematics. In-depth study of trigonometry as well as the study of the applications, interrelationships and terminology of mathematics will be the major emphasis in this course. It develops an understanding of polynomial, logarithmic, exponential, and trigonometric functions, sequences, series, limits, and composition and inverse functions. Vectors, polar coordinates and complex numbers are also studied.

ADVANCED HONORS PRE-CALCULUS: 1 Credit

Course #3126AH

Prerequisites: Advanced Honors Algebra II and/or Honors Algebra II and teacher's signature. Students should complete summer work before taking this course.

This course will include a broader scope of topics than the Honors-Pre-Calculus course previously described. Students will be challenged with individual and group projects, research, and other activities. This course is designed for juniors who plan to take AP Calculus their senior year.

(Mathematics continued)

AP AB CALCULUS: 1 Credit

Course #3127APAB

Prerequisite: Advanced Honors Pre-Calculus and/or Honors Pre-Calculus teacher's signature. Students should complete summer work before taking this course.

This is a college-level learning experience, and is a continuation of the Advanced Honors Program. The scope, depth, and the pace of this class are intensive. Students who successfully complete AP Calculus are encouraged to take the AP exam in May for possible college credit.

AP STATISTICS: 1 Credit

Course #3136A

Prerequisite: Algebra I, Algebra II, and Geometry

Statistics is one of the most widely used types of mathematics in the professional world. Thus, this course is appropriate for any student preparing to exit high school, and will provide a solid foundation for future study. Furthermore, the course will cover all topics included in a college-level Statistics class. The emphasis of this course will be done through investigation of meaningful problems individually or in cooperative groups, while using appropriate technology. Topics include representing and describing various data and distributions, designing and evaluating statistical studies, and working with random variables and probability. Students who complete this course will be encouraged to take the AP exam in May for possible college credit.

ACT PREP: 1/2 Credit (9 weeks Math/9 weeks English)

Course #9350

Prerequisite: Algebra I and/or Algebra II, Geometry, English I and II. Teacher approval (signature) required. Students must register and take ACT. TI-83 needed for the math section.

Students will complete activities which pertain to a review and progression of mathematics and English as they apply to the material.

STATISTICS: 1 Credit

Course #3136

Prerequisite: Algebra I, Algebra II, and Geometry

Students in this course will investigate the use of statistics in modern society and examine how it impacts their daily lives. The emphasis of this course will be done through investigation of meaningful Problems individually or in cooperative groups, while using appropriate technology. Topics will include representing and describing various data and distributions, designing and evaluating statistical studies, and work with random variables and probability.

(Mathematics continued)

HONORS STATISTICS: 1 Credit

Course #3136H

Prerequisite: Algebra I, Algebra II, and Geometry

Statistics is one of the most widely used types of mathematics in the professional world. Thus, this course is appropriate for any student preparing to exit high school, and will provide a solid foundation for future study. Furthermore, the course will cover most topics included in a college-level Statistics class. The emphasis of this course will be done through investigation of meaningful problems individually or in cooperative groups, while using appropriate technology. Topics include representing and describing various data and distributions, designing and evaluating statistical studies, and working with random variables and probability.

SCIENCE

PHYSICAL SCIENCE: 1 Credit

Course #3202

Prerequisite: Biology (Class of 2013)

Enrollment will be based on placement test scores.

Physical Science is a course that explores the relationship between matter and energy. Students investigate force and motion, the structure and properties of matter, the interactions of matter, and energy. Students will be expected to experience the content of Physical Science through inquiry learning. Conservation of matter and energy is an underlying theme throughout the course.

HONORS PHYSICAL SCIENCE: 1 Credit

Course #3202H

Prerequisite: Biology (Class of 2013)

Enrollment will be based on placement test scores.

Honors Physical Science includes the same areas of study as Physical Science but is designed for the accelerated student who is able to apply algebraic and problem solving skills. Students will be expected to experience the content of Physical Science through inquiry learning in both classroom and laboratory settings. Group and individual projects, library research, and other college related skills are developed and practiced. Honors Physical Science provides a foundation for advanced studies in chemistry and physics.

BIOLOGY I: 1 Credit (Grade 9)

Course #3210

Prerequisite: 7th Grade Terra Nova score of 79 and below. (Class of 2013 and after)

Prerequisite: Physical Science (Physical Science. (Class of 2012 and before)

Biology I is a course that introduces students to the world of living things. Using the inquiry approach, students will investigate basic life processes, interdependence and interactions, genetics, diversity of organisms, and other biological themes. This course builds on ethical decision-making. The student will take the State End-of-Course test at the end of this course (Class of 2013)

HONORS BIOLOGY I: 1 Credit, (Grade 9)

Course #3210H

Prerequisite: 7th Grade Terra Nova score of 80 and above. (Class of 2013 and after)

Prerequisite: Honors Physical Science. (Class of 2012 and before)

Honors Biology I includes the same areas of study as Biology I but is designed for the student who needs a strong biological foundation for future studies or career choices. The student will be expected to demonstrate high skills in reading, writing and the ability to operate independently and as a group member, both in regular classroom operations and special assignments. Students will be expected to operate in a technology and laboratory rich environment. The student will take the State End-of-Course test at the end of this course (Class of 2013)

(Science continued)

CHEMISTRY I: 1 Credit (Grades 10 – 11)

Course #3221

Prerequisites: Algebra I, Physical Science and Biology

Enrollment will be based on placement test scores. (Class of 2013 and after)

Standard Chemistry I is a one-credit, two-semester course. This laboratory course will introduce students to the study of the composition of matter and the physical and chemical changes it undergoes and the environment in which these changes take place. Students will use science process skills to investigate the fundamental structure of atoms, the way they combine to form compounds, and the interactions between matter and energy. Students will explore chemistry concepts through an inquiry approach as it relates to the interaction between chemistry, the environment and everyday life.

HONORS CHEMISTRY I: 1 Credit (Grades 10 – 12)

Course #3221H

Prerequisites: Biology and Algebra I

Enrollment will be based on placement test scores. (Class of 2013 and after)

Honors Chemistry I is a one-credit, two-semester course. This laboratory course will make chemical concepts understandable and demonstrates the importance of chemistry in everyday applications. Students will learn scientific thinking skills for real-life problem solving.

ADVANCED HONORS CHEMISTRY I: 1 Credit (Grades 10 – 12)

Course #3221A

Prerequisites: Honors Biology and Algebra I

Enrollment will be based on placement test scores. (Class of 2013 and after)

Advanced Honors Chemistry I is a one-credit, two semester course designed for those students who intend to major in a science related field or show strong interest in the subject. The students who successfully complete this course will have a foundation in chemical concepts, theory, practical applications, laboratory problem solving and mathematical analysis.

ENVIRONMENTAL SCIENCE: 1 Credit

Course #3260

Prerequisite: Physical Science & Biology

Environmental Science is a course that enables students to develop an understanding of the natural environment and the environmental problems the world faces. Using group laboratory and field experiences, students will investigate the following: fundamental ecological principles, human population dynamics, natural resources, energy sources and their use, human interaction with the environment, and personal and civic responsibility. Particular emphasis will be placed on local environments. Students will develop an environmental awareness as a basis for making ethical decisions and career choices.

(Science continued)

**ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE: 1 Credit
(Grades 11-12)**

Course #3236AP

Prerequisite: Biology, Chemistry or Physics

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study; the interdependence of earth's systems, human population dynamics, renewable and nonrenewable resources, environmental quality, global changes and consequences, and environment and society. Students will be prepared to take the Advanced Placement Examination at the conclusion of the course. (See College Board literature for more details)

HONORS ECOLOGY: 1 Credit (Grades 11-12)

Course # 3255H

Prerequisite: Biology, Chemistry or Physics

Honors Ecology is an advanced course that enables students to develop an understanding of the natural environment and the environmental problems the world faces. Using group laboratory and field experiences, students will investigate the following: fundamental ecological principles, human population dynamics, natural resources, energy sources and their use, human interaction with the environment, and personal and civic responsibility. Particular emphasis will be placed on local environments. Students will develop an environmental awareness as a basis for making ethical decisions and career choices.

HONORS BIOLOGY II: 1 Credit (Grades 11 – 12)

Course #3216

Prerequisite: Honors Biology I and Honors Chemistry I

Honors Biology II allows the student to investigate specialty areas of biology. This course will include studies in: comparative anatomy and zoology, embryology, genetics, immunology, microbiology, and botany. The student will be expected to operate in a technology and laboratory rich environment. Dissections are to be used as a means of study.

(Science continued)

ADVANCED PLACEMENT BIOLOGY: 1 Credit (Grades 11-12)

Course #3217AP

Prerequisite: Honors Biology I and Honors Chemistry I

Advanced Placement Biology is a college-level course for highly motivated students with a high aptitude for science. The course allows the student to investigate specialty areas of biology. The College Board AP program provides the curriculum and course description. Studies will include molecules and cells, heredity and evolution, and organisms and populations. Students will be prepared to take the Advance Placement Examination at the conclusion of the course.

HONORS PHYSICS: 1 Credit (Grades 11 – 12)

Course #3231H

Prerequisite: Algebra I & Algebra II

Enrollment will be based on placement test scores. (Class of 2013 and after)

Honors Physics is a one-credit, two semester course designed for the student who intends to seek entrance into a college or university. Primary emphasis is placed on the theory and concepts of mechanics, heat, light, electricity, and magnetism through the use of classroom and laboratory experiences.

ADVANCED PLACEMENT PHYSICS: 1 Credit (Grades 11-12)

Course #3231AP

Prerequisite: Honors Chemistry and Pre-Calculus

This course follows the curriculum specified by the College Board. It is a college level survey course for high achieving and self-motivated students. The College Board AP program provides the curriculum and course description. Students will be prepared to take the Advance Placement Examination at the conclusion of the course.

(Science continued)

HONORS ANATOMY AND PHYSIOLOGY: 1 Credit (Grades 11-12)

Course #3251H

Prerequisite: Chemistry

Anatomy and Physiology is the study of the body's structures and respective functions at the molecular/biochemical, cellular, tissue, organ, systemic, and organism levels. Through laboratory investigations, students will study anatomical orientation, support and movement, integration and regulation, transportation, absorption and excretion, and reproduction, growth, and development.

FOREIGN LANGUAGES

Two credits (Level I and Level II) of the same foreign language are required for a high school diploma if a student chooses the College or College-Tech Prep path. This is also required for college entrance by all Tennessee State Board of Regents schools including MTSU, UT, and Tennessee Tech. It is recommended that students begin the study of a foreign language in either ninth or tenth grade. Computer software including CD-Rom versions of most of the texts is available in all languages to enhance individual instruction and practice.

FRENCH I: 1 Credit Course #3041

French I is an introduction to the language and culture of the French people. This course's primary foci are oral and reading comprehension. This is a very interactive class that involves storytelling, questioning and answering, reading/translation, and reading comprehension. Although instruction is given solely in English, much of the classes are spent in *comprehensible, simple* French. There will also be songs, games, and other activities to aid in the acquisition of French. At the end of the year, students should achieve fluency with the vocabulary that we have covered.

This course will include lessons on the geography of France, much about the culture of the French people, and a survey of French authors.

HONORS FRENCH II: 1 Credit Course #3042

French II is a continuation of French I. . Students will expand on their acquisition of the French language structures introduced in French I. Like French I, this is an interactive class that involves storytelling, questioning and answering, reading/translation, and reading comprehension. Although instruction is given solely in English, much of the classes are spent in *comprehensible* French. There will still be songs, games, and other activities to aid in the acquisition of French. At the end of the year, students should achieve fluency with the vocabulary that we have covered.

This course will include lessons on French authors, artists, and politicians as well as information about the history of France.

ADVANCED HONORS FRENCH III: 1 Credit Course #3043

The focus of French III will be on speaking. Students will continue progression in the French language by engaging in creative, interactive activities including skits, storytelling, and other projects. The class will also include reading comprehension, translation, and writing in French. Students will read French literature, including poems, songs, and short stories and comment on them in French.

(Foreign Language continued)

ADVANCED HONORS FRENCH IV: 1 Credit

Course #3044

French IV is combined with French III. The class is run exactly as French III with the exception of the course material studied, which is different from one year to the next. Students in French IV are held to a higher standard of oral and written communication and are expected to participate in and lead class discussions. Additionally, students may study independently for the French AP exam.

GERMAN I: 1 Credit

Course #3051

German I is an introduction to the German language and the culture of German speaking people. The course covers basic sentence structure in the present and conversational past tenses. This course also includes activities involving reading, writing, speaking, and listening. The vocabulary topics include family life, clothing, food, school, hobbies, sports and leisure activities, and other subjects relevant to daily life. The cultural material is taught through lectures, films, songs, games, and computer software.

HONORS GERMAN II: 1 Credit

Course #3052

German II is a continuation of the study of basic grammatical skills introduced in German I. In addition, there is emphasis placed on vocabulary development and proficiency in speaking. Skits, games, role-playing, and paired work activities encourage active use of the language.

ADVANCED HONORS GERMAN III: 1 Credit

Course #3053

German III includes a review of the basic grammar skills and increased reading and writing activities. Listening skills are practiced through radio plays and German-language video programs. Emphasis is placed on improving oral proficiency.

ADVANCED HONORS GERMAN IV: 1 Credit

Course #3054

This course further develops proficiency in listening and speaking. In addition, short literary selections are read and discussed in German.

LATIN I: 1 Credit

Course #3031

Students are introduced to the classical world through the study of Latin vocabulary, grammar, and translation, as well as Roman history, culture, and mythology. Students in this course will benefit from an increased understanding of English composition and derivatives.

(Foreign Language continued)

HONORS LATIN II: 1 Credit

Course #3032

Latin II enhances the skills learned in Latin I. There is continued emphasis on Roman culture, mythology, and history. Students begin translating Latin literature in the second semester.

ADVANCED HONORS LATIN III: 1 Credit

Course #3033

The third year student is immersed in selected works of classical authors with an emphasis on the Golden Age of Roman literature.

ADVANCED HONORS LATIN IV: 1 Credit

Course #3034

Students will study the Roman poet Virgil and will translate portions of *The Aeneid*. Literary analysis and poetry scansion is part of this study. Students will have the option of taking the Advanced Placement Examination in Latin in April.

HONORS ETYMOLOGY: 1/2 Credit

Course # 3099E

Students learn to derive meanings for words by analyzing the prefixes, suffixes, and roots which come from the Latin language. These skills will improve their performance on college-entrance tests such as the ACT and SAT. They will also learn the meanings of Latin and Greek words carried over into the English language. Latin phrases, and vocabulary derived from Greek mythology, literature, science, medicine, mathematics, et.al.

HONORS MYTHOLOGY: 1/2 Credit

Course# 3099M

Students study the myths of Greek and Roman legend, which will provide them an understanding of allusions made to myths in literature, art, music, psychology, medicine, and advertising. This course will be especially helpful to the college-bound student who has not taken a Latin course.

SPANISH I: 1 Credit

Course #3021

This course consists of an introduction to the Spanish language and culture. The exercises are designed to develop skills in reading, writing, listening, and speaking Spanish. Proficiency in the language is developed through a variety of methods including songs, games, speaking, listening, reading, and writing activities.

(Foreign Language continued)

HONORS SPANISH II: 1 Credit

Course #3022

This course consists of additional Spanish grammar and developing proficiency in the basic skills. Emphasis is placed on pronunciation and reading comprehension. The cultural materials are presented in an effort to close the communication gap between the English and Spanish-speaking people.

ADVANCED HONORS SPANISH III: 1 Credit

Course #3023

This course consists of additional Spanish grammar and concentrates on developing proficiency in speaking skills. Emphasis is placed on conversation, creative writing, and Spanish literature.

ADVANCED HONORS SPANISH IV: 1 Credit

Course #3024

Spanish IV further develops proficiency in listening and speaking skills. Short stories and condensed novels are read and discussed in Spanish. Emphasis is placed on creative thinking and oral comprehension.

VISUAL ARTS

VISUAL ART I: 1 Credit (Grades 9-12)

Course #3501

This is a foundation course designed to introduce students to the visual arts. The elements and principals of art will be used to provide a broad variety of experiences in drawing, design, paintings, print-making, sculpture, critical thinking exercises, and art history.

SCULPTURE (Second Semester): 1/2 Credit (Grades 10–12)

Course #3502S

Prerequisite: 1 Credit in Visual Art

This class introduces students to the basic processes and techniques used to create sculpture forms. Both additive and subtractive methods will be used to create relief, free standing and hanging forms. Critical thinking skills and art history will be incorporated. Students will be required to keep a notebook/sketchbook throughout the course.

CLAY I (First Semester): 1/2 Credit (Grades 10–12)

Course #3502A

Prerequisite: 1 Credit in Visual Art I

This class covers the basic processes and techniques for creating clay forms. All major hand-building methods will be taught as well as the basic process of throwing vessels on the potters wheel. Critical thinking skills and art history will be incorporated. Students will be required to keep a sketchbook / notebook throughout the course.

CLAY II (Second Semester): 1/2 Credit (Grades 10–12)

Course #3502B

Prerequisite: 1 Credit in Visual Arts I and 1/2 Credit in Clay I

This course offers challenging problems for serious art students who wish to increase hand-building skills and learn more advanced techniques on the potters wheel. Various surface design and glazing methods will be explored as well as different firing techniques.

DRAWING I (First Semester): 1/2 Credit (Grades 10-12)

Visual Art 2 Course #3502D

Prerequisite: 1 Credit in Visual Art I

This course will focus on building and refining the drawing skills that are foundational for all other artistic endeavors. Students will acquire many useful tools for addressing drawing problems of all types incorporating critical thinking skills. Students will be required to keep a sketchbook throughout the course.

(Visual Arts continued)

DRAWING II (Second Semester): 1/2 Credit (Grades 10-12)

Visual Art 3 Course #3503D

Prerequisite: 1 Credit in Visual Art I and successful completion of Drawing

This course takes drawing skills to the next level and challenges students to apply them to real world problems. Emphasis will be placed on developing personal style. Students will be required to keep a sketchbook throughout the course.

JEWELRY and GLASS TECHNIQUES (First Semester): 1/2 Credit (Grades 10-12)

Course #3503J

Prerequisite: Art I and Teacher Approval

This course focuses on a variety of jewelry making techniques including glass fusing, wire basics, copper and silver hand cut jewelry, enameling, clay, silver clay, and simple casting techniques. Kiln formed glass will be explored also. This class is for serious art students who wish to explore new directions in art.

FIBERS (Second Semester): 1/2 Credit (Grades 10-12)

Course #3503F

Prerequisite: Art I and Teacher Approval

This course offers a focus on fiber arts including batik, tie dying, silk painting, off-loom weaving, loom weaving, basic embroidery and sewing techniques, papermaking and printmaking. Design skills will be enhanced through the projects offered.

PAINTING I: 1/2 Credit (Grades 10-12)

Course #3503P

Prerequisite: Drawing I or Teacher Approval

This course will focus on giving students the opportunity to explore the various painting media, learn appropriate painting techniques, and continue study of the four components of art criticism. Students will be expected to keep a sketchbook throughout the course.

SENIOR STUDIO: 1/2 Credit Each Semester (Grade 12)

Course #3533

Prerequisite: 6 Semesters of Art/By Permission of Instructor Only.

The first and/or second semester course requires a contractual agreement between student and instructor based on student's previous experience and performance. The students will be given the opportunity to do advanced work in a given area such as drawing, painting, clay, sculpture, etc.

(Visual Arts continued)

ADVANCED ART: 1 Credit (Grades 11–12)

Course #3504

Prerequisites: Visual Art I, Teacher Recommendation Only

This course is for talented, serious, self-directed students who have displayed special abilities and commitment in the visual arts. This course will move at an accelerated pace to develop a body of quality work for each student. Critical thinking skills and art history will be incorporated. Students will be required to keep a sketchbook.

THEATRE ARTS

THEATRE ARTS I: 1 Credit (Grades 9-12)

Course #3520

This course introduces students to various facets of the theatre including acting, technical aspects of theatre, makeup, scenery design, dance, and costumes. Performance is an important aspect of Theatre I.

THEATRE ART II: 1 Credit (Grades 10-12)

Course #3521

Prerequisites: Theatre I & Teacher Recommendation

Theatre II is designed for serious, self-motivated students who have displayed special abilities and commitment in theatre. Performance is the focus. Each student must be selected for this class.

THEATRE ARTS III: 1 Credit (Grades 11-12)

Course #3522

Prerequisites: Theatre II & Teacher Recommendation

Theatre III is designed for serious self-motivated students who have displayed special abilities and commitment in theatre. The student will be exposed to all aspects of stage work including acting, directing, technical, scene design. Each student must be selected for this class by audition.

THEATRE ARTS IV: 1 Credit (Grade 12)

Course #3523

Prerequisites: Theatre III & Teacher Recommendation

Theatre IV should be for students who have a strong desire to participate in performing arts and who may be planning to pursue a performance major or career after high school. Students must have completed Theatre I, II, and III and have approval of the teacher for entry into Theatre IV. Students must take on leadership roles within the class and be a part of all season shows either as actors or crew leaders. Students will be expected to direct a one-act play or similar project and present it for the public. Evaluation will be made at mid-year; if student has exhibited satisfactory progress and fulfilled the conditions of working on the fall show in a leadership capacity, permission will be granted to continue in the class for the spring semester.

VOCAL MUSIC

VOCAL MUSIC (Concert Choir): 1 Credit (Grades 9-12)

Course #3531C

The Riverdale Chorus is open to any student who enjoys singing. No previous choral experience is required. Emphasis is placed on developing music reading skills, producing quality vocal tone, and singing as an ensemble. The literature includes sacred and secular music from the Renaissance to the present. The Riverdale Chorus gives at least two performances per year. A half credit is given for each semester in chorus.

VOCAL MUSIC (Select Choir): 1 Credit (Grades 9-12)

Course #3531

Prerequisite: Auditioned ensemble with Instructor approval required to enroll

The Riverdale Select Choir is offered by auditions to students in grades 9-12, and is the entry-level auditioned choir for freshmen. The student must have previous choral training (i.e. middle school) or secure the permission of the teacher. Emphasis is placed on improving music reading skills, production quality vocal tone, and singing as an ensemble (blending in three and four-parts). The literature includes sacred and secular music from the Renaissance to the present. This group will give at least two performances per year, as well as participation in local (and possible regional) adjudicated festivals (overnight). One-half credit is given for each semester in chorus.

VOCAL MUSIC (Women's Chorale): 1 Credit (Grades 9-12)

Course #3531W

Prerequisites- Auditioned ensemble with Instructor approval required to enroll.

The Women's Chorale is a more advanced select choir open to all girls in all grades. The student must have previous choral training or secure the permission of the teacher. The student should have basic to moderate music reading skills. The Women's Chorale will sing music written especially for the treble voices. Several performances will be required throughout the year, as well as participation in local (and possible regional) adjudicated festivals (overnight). Occasional after-school rehearsals may be scheduled for performance preparation. One-half credit is given for each semester in Women's Chorale.

VOCAL MUSIC (Singers): 1 Credit (Grades 9-12)

Course #3531S

Prerequisite: Auditioned ensemble with Instructor approval required to enroll.

The Riverdale Singers is the most advanced ensemble open to all students through audition. The student must have previous choral training or secure the permission of the teacher. The student should have moderate to advanced music reading skills. The choir sings multi-voiced sacred and secular musical from all periods. Emphasis is placed on performance with many concerts throughout the year, as well as participation in local (and possible regional) adjudicated festivals (overnight). Occasional after-school rehearsals are scheduled for performance preparation. One-half credit is given for each semester in the chorus.

(Vocal Music continued)

GENERAL MUSIC: 1 Credit (Grades 9-12)

Course #3505

This music course is for the non-musician who enjoys listening to music, as well as those with a background of music study seeking information outside of the performance arena. This course explores the role music plays in our lives including entertainment, dance, art, film, other cultures, religions, and musical theater. The course may also give basic introductions to music mechanics, ear training, theory, harmony, composition, chords, rhythms, analysis, history, and styles. The course may include field trip(s). This course is helpful to all music students.

MUSIC THEORY and HARMONY: 1 Credit (Grades 10-12)

Course #3514

Music theory and harmony is offered for students who wish to further their music training to a more advanced level. It is a course in the writing and reading mechanics of music. Basic skills such as part writing, ear training, musical analysis, chord structure, scale structure, improvisation, and style variations are studied in depth. The course is helpful to all music students in piano/keyboards, strings, brass and woodwinds, percussion, guitar and voice. The course may include field trip(s). This course is highly recommended for those planning to study music in college.

INSTRUMENTAL MUSIC

INSTRUMENTAL MUSIC CLASS (WIND BAND): 1 Credit (Grade 9)

Course #3530W & 3530B

Designed for first-year members of the Riverdale Band. Course is limited to 9th grade students and others as necessary. Lessons and mid-state auditions are encouraged. Occasional after-school rehearsals are scheduled for performance preparation. Music for halftime and stands performances is rehearsed in the fall with concert season devoted to the study of quality music literature.

INSTRUMENTAL MUSIC (SYMPHONIC BAND): 1 Credit (Grades 9-12)

Course #3530S

Open to students experienced on wind and percussion instruments in grades 9-12. Symphonic Band students are encouraged to participate in lessons and mid-state auditions. Occasional after-school rehearsals are scheduled for performance preparation. Performances will include, but not be limited to marching, concerts, and festival performances. Halftime and stands music is rehearsed in the fall with concert season devoted to the study of the highest quality music literature (grades 3 - 6).

INSTRUMENTAL MUSIC (WIND ENSEMBLE): 1 Credit (Grades 10-12)

Course #3530E

Prerequisites – Auditioned ensemble with Instructor approval required to enroll.

Open by audition only to students experienced on wind and percussion instruments in grades 10-12. Wind ensemble students are expected to be active in lessons and mid-state auditions. Occasional after-school rehearsals are scheduled for performance preparation. Performances will include, but not be limited to marching, concerts, and festival performances. Halftime and stands music is rehearsed in the fall with concert season devoted to the study of the highest quality music literature (grades 5 & 6).

APPLIED JAZZ BANDS: 1/2 Credit (Second Semester Only)

Course #3530J

Prerequisites – Instructor approval required to enroll.

This course focuses on basic fundamentals, techniques, music theory, and performance skills needed to perform in a variety of jazz ensembles. Applied Jazz Bands is not a substitute for concert band or percussion class. Students will prepare for performances including concerts and local jazz festivals. Occasional after-school rehearsals are scheduled for performance preparation. Instrumentation is limited to saxophones, trombones, trumpets, piano, bass and rhythm guitar, and percussion instruments.

(Instrumental Music continued)

INSTRUMENTAL PERCUSSION CLASS: 1 Credit (Grades 9-12)

Course #3530P

This class will focus on the study and performance of music literature appropriate to the percussion ensemble. Students will study the fundamentals and advanced techniques on snare drum, timpani, mallet percussion, and accessory instruments. This course is required for all members of the high school percussion section. Occasional after-school rehearsals are scheduled for performance preparation with wind instrumentalists.

Performances will include, but not be limited to marching, concerts, and festival performances. Students will perform with the concert bands (Wind Band, Symphonic Band, & Wind Ensemble).

DRIVER EDUCATION, HEALTH, and PHYSICAL EDUCATION

WELLNESS: 1 Credit
Course #3303P

HEALTH-RELATED

Lifetime wellness is a required course containing the following modules: nutrition, personal fitness and related skills, mental health, disease prevention and control, sexuality and family life, chemical education, and safety and first aid.

PHYSICAL-RELATED

Half of the year is spent in the gym learning the basic knowledge and skills of activities, which have carry-over values in life, which will enhance good health and well-being. Such activities include: wrestling, safety and self-defense, line dancing, jump rope, swimming, basketball, bench training, weight training, volleyball, badminton, pickle ball, canoeing, soccer, softball, flag football, track and field, Frisbee, golf, and overall conditioning. It is a requirement to dress out and participate in all activities. Also, you will be required to write a paper at the end of the semester.

DRIVER EDUCATION: 1/2 Credit (Grades 10-12)
Course #3321

This is a 1/2 credit course offered each semester. It covers the basic procedures for the safe operation of an automobile with 30 hours classroom instructions and 6 hours behind-the-wheel practice driving. The primary objective is to make the student a safe driver with an understanding of the present problems on the highway and an appreciation of the laws governing our drivers and highways. **Effective July 1, 2001 all students who are 15, 16, or 17 years of age must complete the Tennessee “Graduated Driver License” process before they may apply for a “Regular Class D License.** It is not necessary to have a “Permit” to enroll in Driver Education, but the student “MUST” be 15 years of age.

PHYSICAL EDUCATION: 1/2 Credit (Grade 10)
Course #3301

Concept: A challenging workout that will consist of a 5-minute warm-up, 5 minutes of stretching, 20 minutes of cardio, 20 minutes of strength training using partners, bands and body weight for resistance and 10 minutes of stretching and core work while cooling down. Cardio and strength training will be alternated throughout the class to keep the heart rate elevated and prevent boredom. There will be different levels of intensity to suit all fitness levels.

JUNIOR RESERVE OFFICER TRAINING CORP (JROTC)

JROTC I:
Course #3331

JROTC II:
Course #3332

JROTC III:
Course #3333

JROTC IV:
Course #3334

Purpose of JROTC

JROTC prepares high school students for responsible **leadership** roles. Classroom and extracurricular activities provide opportunities to acquire the knowledge, discipline, and sense of responsibility necessary to take charge of one's future.

Desired Goals of JROTC

- **Graduate** from high school and continue higher education.
- Understand the importance of **Personal Finance**.
- Understand the foundations of the American **political system**.
- Understand and exercise the rights and freedom of good **citizenship**.
- Demonstrate **leadership potential** and the ability to live and work cooperatively with others.
- **Communicate effectively**, with emphasis on oral communication.
- Understand the importance of diet and **physical fitness** in maintaining **good health** and appearance.
- Understand the history, purpose, and structure of **Army JROTC**.
- Demonstrate proficiency in basic **military skills**.
- Understand the dangers of **substance abuse**.

(JROTC continued)

Course of Instruction

The JROTC program consists of four years of instruction with a minimum of 180 hours per year. Subjects covered during the four years of instruction include:

- Introduction to JROTC and the Army
- U.S. Government
- Personal Finance
- Leadership Theory and Application
- Foundations for Success
- Geography, Map Skills and Environmental Awareness
- Understanding how to Cooperate and Effectively Communicate with Others
- Critical Thinking and Citizenship
- Drill and Ceremonies
- Wellness, Fitness and First Aid
- Provide Incentives to live drug free
- Air Rifle Safety and Marksmanship
- Wellness, Fitness and First Aid

Upon completion of three years of JROTC cadets will receive their **US Government** and **Personal Finance** credit, a requirement for graduation. Additionally cadets will receive a credit for **Wellness** upon completion of two years of JROTC. The additional half credit of **Wellness** required can be granted for participating in one of the many extra curricular activities offered by **JROTC** such as the teams listed below.

JROTC Leadership Opportunities and Teams:

- Drill Team
- Rifle Team
- Saber Team
- Color Guard / Honor Guard
- Raiders
- Orienteering

SOCIAL STUDIES

U. S. GOVERNMENT: 1/2 Credit (Grades 11 or 12)

Course #3407

This course includes the study of federal, state, and local government and involves the analysis of the three branches of each. It is designed to help students become more responsible citizens, learning skills such as using news sources, interpreting political cartoons, analyzing issues, voting, and contacting legislators.

HONORS U.S. GOVERNMENT: 1/2 Credit (Grades 11-12)

Course #3407H

This course is designed for the accelerated student and will be a more in-depth study of national, state, and local government.

AP U.S. GOVERNMENT: 1/2 Credit (Grades 11-12)

Course #3445AP

This course is designed to be a college-level approach to the study of the U.S. government. Admission to the course is supervised by guidance. A student's commitment to the subject will also be considered. Students are highly encouraged to take the AP College Board.

WORLD HISTORY: 1 Credit (Grades 9-12)

Course #3401

World History attempts to give a survey of world situations by beginning with the formation and decline of ancient civilizations and proceeding to the growth of modern nations politically, geographically, and intellectually. Concentration is given to the problems, accomplishments, and contributions of each era.

HONORS WORLD HISTORY: 1 Credit (Grades 9-12)

Course #3401H

This course traces the accomplishments and failures, the achievements and humiliations, the noble causes and evil deeds committed by humankind beginning in prehistoric times and continuing into our modern era. The honors course is designed for students on the college-bound path, and will place an emphasis on research, writing, and enrichment activities.

HONORS ANCIENT HISTORY: 1 Credit (Grades 10-12)

Course #3402

Honors Ancient History is an in-depth survey of the rise and fall of ancient civilizations of the world. The cultural developments, religious, philosophies and inventions will be stressed along with analysis of their contributions to future civilizations.

(Social Studies continued)

HONORS MODERN HISTORY: 1 Credit (Grades 10-12)

Course #3403

This course will provide the student with an in-depth study of twentieth century world history. Emphasis will be on world affairs of the United States. The use of current library resources will supplement the textbook. This course is recommended for those who plan to attend college.

WORLD GEOGRAPHY: 1 Credit (Grades 9-12)

Course #3410

The major purposes of World Geography are: A) to provide students with an overview of physical and diverse cultural geography, B) explain the interrelationships between peoples' cultures and their environments, and C) to excite student's interest in the world around them.

HONORS WORLD GEOGRAPHY: 1 Credit (Grades 9-12)

Course #3410H

This course is designed to help students develop oral and written communication, information gathering, and critical thinking skills as they study the relationship between the earth and its people. Students will examine physical and cultural aspects of the world regions through the study of past, present, and the future. This course is designed for college bound students.

U. S. HISTORY: 1 Credit (Grades 11-12)

Course #3405

This is basically a survey course that traces events and situations and studies their effects on the development of America. Students will be encouraged to analyze the events that have influenced the progress of the United States.

HONORS U. S. HISTORY: 1 Credit (Grades 11-12)

Course #3405H

This course is designed for the student who desires to pursue the study of history in greater depth and detail than the standard U. S. History class, but does not wish to take the advanced placement course. This course is highly recommended for those who plan to attend college.

AP U. S. HISTORY: 1 Credit (Grades 11-12)

Course #3405A

This course is designed to be a college-level approach to the study of history. The course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and material in U. S. History. Admission to the course is supervised by Guidance with consideration being given to such credentials as high aptitude scores and/or outstanding grade records. A student's commitment to the subject will also be considered. Students who complete the AP course are encouraged to take the College Board AP exam in the spring.

(Social Studies continued)

PSYCHOLOGY: 1/2 Credit (Grades 11 –12)

Course #3433

Students will study the development of the individual personality. The six social studies standards of culture, economics, geography, government, history, and group dynamics will be integrated to study the science of human behavior.

SOCIOLOGY: 1/2 Credit (Grades 11-12)

Course #3432

Sociology is the study of social groups and their behavior. This will include the study of shifts in population, delinquency and crime, marriage and family, and other aspects of our culture. The emphasis of this subject is placed on social groups instead of the individual.

ECONOMICS: 1/2 Credit (Grades 11-12)

Course #3431

This semester course emphasizes principles involved in both microeconomics and macroeconomics. Economics deals with the way in which individuals, industries, and governments decide to employ their talents and resources. A better understanding of economics should enable you to understand and evaluate the U. S. Economy and to participate more effectively in its actual operation. A regular text is supplemented with current resources.

HONORS ECONOMICS: 1/2 Credit (Grades 11-12)

Course #3431H

This course is designed for the accelerated student and will be a more in-depth study of the topics discussed in economics.

CONTEMPORARY ISSUES: 1 Credit (Grades 11-12)

Course #3435

This course is designed to help students develop skills in oral and written communication, information gathering, critical thinking and problem solving as students study contemporary issues. It focuses on current trends and issues in the governmental, political, economic, and geographical areas.

SPECIAL EDUCATION

The role of the Special Education Department is to provide for each student an individualized curriculum, composed of functional academic skills in each of the courses listed below. Job related and practical life skills are emphasized. Only designated students may register for courses in the Resource Department. Resource classes are mostly designed for students planning to graduate with a Special Education diploma.

RESOURCE GOVERNMENT or ECONOMICS: 1/2 Credit each

The purpose of these courses is to help the students become more responsible citizens. This is accomplished by a study of government at the federal, state, and local levels. In Economics, students become familiar with the basics of a supply-demand market and compare different economic systems of the world.

CAREER PREPARATION I (Factory/P.A.E.S.):

This is an instructional program that provides on-campus career preparation and employment training for students too young and/or not ready to enter into the community based training. (A) Factory consists of two primary components, classroom instruction, and a school factory. (B) Practical Assessment Exploration System (P.A.E.S.) gives students the opportunity to explore a wide range of hands-on skills that they would encounter in technical education classes, vocational classes, and employment.

CAREER PREPARATION II

Career Preparation II is work training/exploration in the community with a job coach on site. The student must be 16 years of age, have teacher recommendation, and m-teamed into the program.

CAREER PREPARATION III

On successful completion of Career II and obtaining employment the student can enter this program. A transition case manager will supervise the student while participating in this work program.

CAREER PREPARATION IV

Independent employment. The student must have teacher recommendation and a good attendance record.

INCLUSION

Inclusion classes are designed to fully integrate students with learning disabilities into the regular classroom. A Special Education teacher is in the room with the General Education teacher to assist with presentation and modifications. The goal of inclusion is to better prepare these students to pass the Gateway exams and earn a regular High School diploma.

INCLUSION ENGLISH: 1 Credit each

There is an End of Course exam at the end of English 1; English 2 students will take the Gateway.

INCLUSION MATH: 1 Credit each

We are planning to offer Foundations I, and Algebra I as Inclusion classes.

INCLUSION SCIENCES: 1 Credit each

Life Science for freshmen is an overview or introduction to Biology. Inclusion Biology prepares students for the Gateway.

INCLUSION SOCIAL STUDIES: 1 Credit each

Students participate in the regular curriculum with modifications as needed.

COMPREHENSIVE DEVELOPMENT

The goal of the comprehensive development class is to provide severely to moderately disabled students with a program that will enable them to maximize their usefulness to society. The curriculum is based on functional reading, functional math and vocational skills. The program is primarily a self-contained classroom situation, but students are mainstreamed when possible and attend the Vocational Rehabilitation program when deemed appropriate. The Rutherford County School System's goal for educating students with disabilities is to promote independence, self-worth, and productivity in their school, home, and community. Through this effort Riverdale offers work programs as established during the IEP meeting.

AGRISCIENCE EDUCATION

Agriscience Education is designed to provide students with the knowledge, leadership, and personal development skills necessary to successfully enter post-secondary programs and/ or careers within the Agriscience, business, and production industry. The Agriscience industry is the largest employer in the United State of America.

The courses in Agriscience are designed to give the student an in-depth and hands-on approach into the following core areas: Leadership Development, Animal and Pre-Veterinary Science, Agribusiness, Horticulture Science and Wildlife and Forestry. The students will also gain work experience through hands on activities and work experience projects.

Those students pursuing post secondary education in Veterinary Science and Medicine, Plant Science, Agronomy, Agribusiness, Pre-Forestry, Horse Science and Animal Science can acquire college credit through dual enrollment courses in partnership with Middle Tennessee State University and Tennessee Tech University.

FFA is an integral part of the Agriscience program. Students have the choice to become involved in one of the largest student organizations at Riverdale High School and experience student leadership development, travel, competitions and scholarship opportunities.

AGRISCIENCE: 1 Credit (Open to grade 9 only)

Course #5171

Agriscience consists of standards to prepare students for biology and subsequent sciences for the university bound student. The content area covers ecology, biological processes, sexual and asexual reproduction and a study of the chemical and physical laws that govern life. This course includes leadership and personal development skills through FFA membership. May count as a third lab science for students in the agriculture pathway, however, physical science may still be required.

HONORS AGRISCIENCE: 1 Credit (Open to grade 9 only)

Course #5171H

Accelerated hands-on instruction to prepare students for advanced levels of biology and subsequent sciences for the university bound student. The content area covers ecology, biological processes, sexual and asexual reproduction and a study of the chemical and physical laws that govern life. This course includes leadership and personal development skills through FFA membership. May count as a third lab science for students in the agriculture pathway, however, physical science may still required.

AGRIBUSINESS/FINANCE: 1 Credit (Grade 12 only)

Course#5150

Prerequisite: Agriscience, Principles of Horticultural Sciences or Teacher Recommendation.

Agricultural Business/Finance contains standards that address the economic principles necessary for a successful business. As technology improves the ability to communicate, marketing and production must change in order for industries to remain competitive.

(Agriscience Education continued)

AGRIBUSINESS COOPERATIVE EDUCATION: (Grade 12 only)

Course #5180

1 Credit for a minimum of 10 hours per week supervised work experience

2 Credits for a minimum of 20 hours per week supervised work experience

Prerequisite: Must be enrolled in the Agribusiness/Finance course during the semester that you participate in the cooperative education program.

Agribusiness Cooperative Education is on-the-job training in related occupations. Employment must be approved by the instructor and maintained throughout the school year. This course is designed to help students with their Supervised Agriscience Experience program. Check stubs will verify required work hours. The agriculture industry is the largest employer in the United States of America. Students are assigned to co-op based on application completion, reference checks, attendance and academic records.

LANDSCAPING AND TURF MANAGEMENT: 1 Credit (Grades 10-12)

Course #5163

Landscaping and Turf Management includes standards to prepare students for creating beautiful environments for homes and businesses. This course includes site analysis and preparation, landscape drawing, plant selection, and installation. Maintenance of healthy attractive landscapes and turf areas will be emphasized. With the increase of urban sprawl these career opportunities are increasing daily. Plant science and leadership skills taught in this class will prepare students to meet the demands of this exciting industry.

HONORS GREENHOUSE MANAGEMENT: 1 Credit (Grades 11-12)

Course #5167H

The successful operation of a greenhouse involves a variety of practices, ranging from the management of the facility to the marketing of greenhouse product. Understanding greenhouse management principles are needed to be profitable and to successfully operate landscaping, floriculture, and gardening industries. Leadership and FFA are also discussed in this course.

(Agriscience Education continued)

AQUACULTURE/HYDROPONICS: 1 Credit (Grades 10-11)

Course #5159

This is a hands-on lab experience in Aquaculture that includes standards that challenge students to plan for future food needs using advanced technologies and less space.

Aquaculture is becoming increasingly important as populations grow and farmland is consumed by urban growth. Understanding how the benefits of aquaculture blend with environmental conservation is important for the survival of future generations.

PRINCIPLES OF VETERINARY SCIENCE: 1 Credit (Grades 11-12)

Course #5176

Prerequisite: Biology

Advanced standards will familiarize students with competencies required in a veterinary science career. Students will gain an in-depth understanding of large and small animal species, animal reproduction and physiology, and animal health and nutrition. Additionally, students will focus on the veterinary industry, veterinary specializations and college preparation.

SMALL ANIMAL CARE: 1 Credit (Grades 10-12 or Teacher Approval)

Course #5172

This course studies companion animals and their care including handling, facilities, healthcare, grooming, animal rights and welfare, and also legalities. This course also discusses the economic and social importance of small animals.

LIVESTOCK MANAGEMENT: 1 Credit (Grades 11-12)

Course #5177

This course is designed for students who are interested in pursuing a career in Animal science. The course is designed to develop a basic understanding of animal anatomy and physiology, nutrition and diseases, genetics and basic care of large animals. This course may also provide a dual enrollment opportunity with Tennessee Tech University.

PLANT BIOTECHNOLOGY: 1 Credit (Grades 11–12)

Course #5175

Prerequisites: Agriscience (HQ), Introduction to Agricultural Sciences or Introduction to Horticultural Sciences and Biology

This course is to prepare students with interests in higher-level, science-based plant agriculture. Students enrolled in this course will study rigorous standards related to the principles of plant growth, cell structure and functions, heredity and genetics (molecular biology), plant breeding and improvement, hormones and growth regulators, chemical nature of plant life, flower structure and function, seed formation and germination, DNA and biotechnology, and emerging technologies. Students will use scientific investigation to determine a plant problem. FFA and supervised experience will be included as appropriate.

(Agriscience Education continued)

HONORS AGRICULTURAL MARKETING AND SALES: 1 Credit

(Grades 10-12)

Course #5153

Prerequisites: Agriscience or Principles of Agricultural Sciences

The course introduces students to the different types of agricultural businesses found in local communities and the skills businesses are looking for in employees. Students will enhance skills and techniques utilized in agricultural marketing and sales agreements to meet the needs of consumers and employers.

LEADERSHIP AND COMMUNICATIONS: 1 Credit (Grades 10 – 12)

Course # 5169

Prerequisite: Agriscience

Leadership and Communications analyzes attributes and capabilities of those in leadership positions, to assist students in the development of their communication skills and interpersonal relationships and other related skills. Most jobs are lost or gained because of the leadership and communication ability a person has. As we enter the 21st century and a global market place, these skills will become more important as an asset for career success.

BUSINESS TECHNOLOGY

Business Technology offers courses designed to prepare students for post-secondary and higher education, career development and personal use in today's technological world.

ACCOUNTING I: 1 Credit (Grades 10-12)

Course #3779

Accounting I introduces concepts and principles based on a double-entry system of maintaining the financial records of a sole proprietorship, partnership, and corporations. It includes analyzing business transactions, journalizing, posting, and preparing worksheets and financial statements. **Students can receive postsecondary credit for this course. Check with your instructor or counselor.**

HONORS ACCOUNTING II: 1 Credit (Grades 11-12)

Course #3780H

Prerequisite: Accounting I

Accounting II is an advanced study of concepts, principles, and techniques used in keeping the financial records of a sole proprietorship, partnership, and corporation. Departmental, management, cost, and not-for-profit accounting systems are explored. Students will be required to do outside reading from accounting journals, AICPA, and the CPA letter. Accounting simulations will provide hands-on, real-world experience in accounting practices.

AMERICAN BUSINESS LEGAL SYSTEMS: 1/2 Credit (Grades 11-12)

Course #3719

The study of American Business Legal Systems provides students with an understanding of the legal framework of our free enterprise system and how laws influence daily decisions. It deals with the legal principles of contracts, criminal and civil law, and court procedures and relates these to business situations through discussing and analyzing court cases. **This course satisfies the requirement for U S Government.**

HONORS AMERICAN BUSINESS LEGAL SYSTEMS: 1/2 Credit (Grades 11-12)

Course # 3719H

The purpose of American Business Legal Systems is to provide students with an understanding of the legal framework of our free enterprise and how laws influence daily decisions. It deals with the legal principles of contracts, criminal and civil law, and court procedures and relates these to business situations through discussing and analyzing court cases. **This course satisfies the requirement for U S Government.** Students will be required to analyze legal cases representative of legal issues being studied. Mock trials will give students the opportunity to use their imagination.

(Business Technology continued)

BUSINESS ECONOMICS: 1/2 Credit (Grades 11-12)

Course #3755

This course is an in-depth study of the fundamentals of the free enterprise system including the production, marketing, distribution, and promotion of goods and services, the role of financial institutions, and the role of government on the free enterprise system. Topics also include the role of the individual and various careers available within economics. **Business Economics satisfies the requirements for Economics.**

BUSINESS MANAGEMENT: 1 Credit (Grades 10-12)

Course #3707

The study of Business Management provides students in the foundation needed to appreciate the importance of the many activities, problems, and decisions necessary to successfully manage an ongoing business entity. Areas examined include business organization, careers available, ethical and legal responsibilities, communication and decision making, personnel, safety, and professional development. By gaining an understanding of these tasks, students will be better prepared to enhance the business decisions of tomorrow.

eBUSINESS COMMUNICATIONS: 1 Credit (Grades 10-12)

Course # 3704

This course will address the use of Internet developing concepts, particularly those related to Web browsers, navigators, search engines, on-line communication methods, home and Web site concepts, transfer of data, downloading files, security procedures and Internet navigational tools.

INTERACTIVE MULTIMEDIA PRESENTATION: 1 Credit (Grades 10-12)

Course #3746

Prerequisite: Keyboarding

This course is designed to give students experience with interactive multimedia. Students design, write and produce computer-based multimedia projects. Team development will also be stressed as students work on projects.

KEYBOARDING: 1/2 Credit (Grades 9-12)

Course #3710

This course is designed to develop basic skills in operating the keyboard by using touch system. Students will have an opportunity to learn to format letters, memorandums, reports, and other business and personal documents. **Students can receive post secondary credit for this course. Check with you teacher or counselor for details.**

(Business Technology continued)

BUSINESS BASICS: 1/2 Credit (Grade 9)

Course #3722

This course is designed to give students an overview of the areas of instruction available in the business department. The course focuses on career research, technology, presentation skills, accounting skills, budgeting and law.

INTEGRATED INPUT TECHNOLOGIES: 1 Credit (Grades 9 -11)

Course #3730

In this course, students will learn necessary skills in problem solving using current and emerging integrated technology to include a variety of input technologies such as advanced keyboarding, scanning, speech recognition, handwriting recognition, and the use of a mouse in the production of mailable business documents. The course focuses on student choice, accountability and competency. Students work toward the attainment of high-level employable competencies in areas, which may include but are not limited to, integrated software applications, computer systems, communication systems, networking, ethical issues, human relations, leadership, self-management, and workplace management. Students may choose areas of specialization and achieve industry certification in areas such as word processing, spreadsheet applications, database design and management, multimedia presentations, schedule and contact management, etc. This course may articulate to post-secondary education.

ADMINISTRATIVE MANAGEMENT: 1 Credit (Grades 11-12)

Course #3737

Prerequisite: Keyboarding and Computer Applications

This capstone course provides advanced training, including hands-on experiences, for students pursuing a career in business technology. Skills developed in previous courses will be incorporated and enhanced through a multi-tasking environment using a variety of input technologies. Procedures and concepts are related to information processing systems, administrative/information management, problem solving, reasoning, team-building, time management, business standards, feasibility studies, cost/budgeting, professional leadership, ethical and legal issues, and mathematics and communications. Production and administrative skills are developed to meet industry's standards. The student will play a variety of roles in completing tasks. Team activities will be evaluated as a group. Collaboration with other courses can enhance students' learning and expand their experiences. This course may articulate to a post-secondary program.

(Business Technology continued)

PERSONAL FINANCE: 1/2 Credit (Grades 11-12)

Course #3766

Personal Finance is a course designed to inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing.

**HONORS VIRTUAL ENTERPRISE I: 1 Credit
(Grades 11-12 with Instructor Approval)**

Course #3762

Virtual Enterprise International is a simulated business environment. The students will be involved in actual on-the-job work experiences, including accounting, human resources, administration, website design and marketing. The goal is to create a learning environment that, through a series of activities, integrates school and workplace to enhance learning. Laboratory facilities and experience simulate those found in business and industry. **This course satisfies the requirement for Economics.**

HONORS VIRTUAL ENTERPRISE II: 1 Credit (Grade 12)

Course # 3762H

Prerequisite: Virtual Enterprise I

Virtual Enterprise II is an extension of VEI class where students will weave together several academic disciplines and occupational subjects, thereby overcoming fragmentation of subjects. The student will better understand how his/her learning has application and relevance to real life. The goal is to create a learning environment that, through a series of activities, integrates school and workplace to enhance learning.

WEB DESIGN ESSENTIALS: 1 Credit (Grades 10 – 12)

Course # 3768

Prerequisite: Keyboarding

This course, which is designed as the first level of Web Design, will teach students workplace and leadership skills for advancement into the Web Design Application course. Keying and layout and design skills are essential. Students will develop Internet research techniques for business; acquire navigation mapping skills; effectively use a Web site; and integrate the elements of Web Design. Web Design Essentials focuses on the language, structure, and essential concepts and principles of page layout and design and the ethics related to the production of Internet presentations. Upon completion of the course, a student will be able to evaluate, implement and apply the use of technology in Digital Commerce and Web Page Design for business.

(Business Technology continued)

HONORS WEB DESIGN APPLICATIONS: 1 Credit (Grades 11 – 12)

Course #3769

Prerequisite: Web Design Essentials

This course, which is a project-based continuation of Web Design Essentials, teaches students work-related skills for advancement into postsecondary education and/or the workplace. The course will provide the concepts and applications that may lead to business industry certification. Course content includes exposure to advanced Web design, graphics, animations, and the complex site design. The course content provides students the opportunity to acquire advanced skills in both theory and practical application of Web design and of leadership and interpersonal skill development.

CRIMINAL JUSTICE

CRIMINAL JUSTICE I: 1 Credit
(Grades 10-11, Grade 9 with Teacher Approval and A's in English)
Course #5330

This course focuses on areas comprised of planning, managing, and providing judicial, legal, and protective services. The course is an overview of the legal justice system and builds a better understanding of the development of laws on state, federal, and international levels.

CRIMINAL JUSTICE II: 2 Credits (Grades 11-12)
Course #5331

Prerequisite: Criminal Justice I

This course will provide students the opportunity to analyze local, state, federal, and international laws. Students will participate in mock trials and field trips with legal and protective service careers emphasis. Course content will introduce new technology, effects of forensic analysis, and career opportunities.

CRIMINAL JUSTICE III: 2 Credits (Grade 12)
Course #5342

This course will focus on research exercises. The course will call upon students to engage in a variety of professionally used information-gathering techniques, including conducting interviews, making observations at courthouses, researching, formulating, and evaluation statistical data through Place-Based Learning. This program uses as its foundation workplace related experiences. Students are expected to travel outside the classroom as part of their research-gathering activities that will provide more context, detail, and real-life activities. This course is designed for seniors in preparation for continuing education in the areas of legal and protective service careers.

FORENSIC SCIENCE INVESTIGATIONS: 1 Credit (Grades 10–12)
Course #5350

Prerequisite: Criminal Justice I and Physical Science or Biology

Forensic science supplies the knowledge and technology of science for the definition and enforcement of such laws. It is an introductory course that focuses on practices and analysis of physical evidence found at crime scenes. The fundamental objective is to teach the basic processes and principles of scientific thinking and apply them to solve problems that are not only science related, but cross the curriculum with critical thinking skills.

FAMILY AND CONSUMER SCIENCES

All classes are open to male and female students who are interested in improving their skills in homemaking.

LIFE CONNECTIONS: 1 Credit (Grades 11-12)

Course # 5623

Life Connections is a course designed to assist students in making a successful transition from high school into the post high school environment. Students will be empowered to take action for the well-being of themselves and others as they effectively manage the roles and responsibilities created by family, career, and community interactions. The role of communication in establishing and maintaining healthy interpersonal relationships is emphasized. Skills related to decision making, problem solving, critical and creative thinking, technology, and workplace readiness practiced in *Life Connections* will provide students with an understanding of how to plan for and manage careers in an ever-changing workplace.

CHILD AND LIFESPAN DEVELOPMENT: 1 Credit (Grades 10-12)

Course #5625

Prerequisite: Family & Consumer Sciences (FACS)

Child and Lifespan Development prepares students to understand the physical, social, emotional, and intellectual growth and development throughout the lifespan. Instructional content includes child development theories and research; prenatal development; infants and toddlers; preschool years; middle childhood; adolescence; adulthood; geriatrics; death and dying; careers; and leadership, citizenship, and teamwork.

EARLY CHILDHOOD EDUCATION CAREERS I: 1 Credit

(Grades 10-11 with Instructor Approval)

Course #5650

EARLY CHILDHOOD EDUCATION CAREERS II: 2 Credits

(Grades 11-12 with Instructor Approval)

Course #5660

Prerequisite: Early Childhood Education Careers I

Early Childhood Education Careers I and II prepare students for gainful employment and/or entry into post-secondary education. Content provides students a foundation in the concepts of child development theory and affords them the opportunity to integrate knowledge, skills, and practices required for careers in early childhood education and related services. Laboratory experiences with preschool children offered in school-based program.

(Family and Consumer Sciences continued)

FAMILY AND CONSUMER SCIENCE: 1 Credit (Grades 9-10)

Course #5603

This class is designed to provide the student with a basic understanding of foods and nutrition, housing, family, parenting, and resource management. Students will plan for a healthy lifestyle, meet clothing needs, and explore career options.

FAMILY AND PARENTING: 1 Credit (Grades 10-12)

Course # 5606

This course teaches students to understand the purpose of the family unit, prepare for marriage and parenthood, maintain healthy family relationships, balance home/family/work responsibilities, and understand the rewards and responsibilities of being a parent.

NUTRITION AND FOODS: 1 Credit (Grades 10-12)

Course # 5609

This course consists of what influences our food choices, nutrition, lab preparation including table setting, safety and sanitation, lab experiences including microwave dishes, breakfast foods, casseroles, breads, and meal planning.

TEXTILES AND APPAREL: 1 Credit (Grades 10-12)

Course # 5619

This course will help you select, buy, and care for your clothes. An introduction to sewing and basic sewing skills will be presented with the completion of a clothing project.

FASHION DESIGN AND MERCHANDISING: 1 Credit (Grades 10-12)

Course #5621

Prerequisite: Family & Consumer Sciences (FACS)

Fashion Design and Merchandising is a specialized course designed to introduce students to the world of fashion. Areas of study include fashion fundamentals, principles and elements of design; career options and preparation; product selection and maintenance; and consumer strategies. Instruction includes academic integration and technology applications.

(Family and Consumer Sciences continued)

TEACHING AS A PROFESSION (TAP): 1 Credit (Grade 12)

Course #5622

Prerequisites: Child and Life Span Development and Life Connections

Teaching as a Profession is a course designed to capture the interest of secondary students as potential teachers, introduce students to teaching as a profession, and foster respect for the teaching profession. Students will gain knowledge and skills that will establish a foundation for a successful pathway to a teaching career. Content standards guide students to discover challenges, opportunities, and rewards of a teaching career. Content includes history and current issues of education; teacher roles, responsibilities, and characteristics; self-exploration and understanding; the teacher and learning processes; human growth and development; teaching career opportunities and preparation; and components of instruction.

GRAPHIC COMMUNICATIONS

VISUAL COMMUNICATIONS: 1 Credit (Grades 9-10)

Course # 5759

This course provides a foundation in aesthetic concepts and applies these concepts to the visual art, design, printing and photography industries. Course content provides the opportunity to acquire marketable skills by examining both the industry and its career opportunities and by developing leadership, teamwork and industry skills. Varying degrees of aesthetics are required, along with the ability to interpret many aspects of life and technology. Course content is also related to other pathways.

GRAPHIC DESIGN & DIGITAL IMAGING: 2 Credits (Grades 10-12)

Course # 5762

Prerequisite: Graphic Communications I or Visual Communications

This course covers the principles of design and general layout procedures. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing.

MARKETING EDUCATION

MARKETING AND MANAGEMENT PRINCIPLES I: 1 Credit (Grade 11 only, Grade 10 with Teacher Approval)

Course 5000

Prerequisite: Keyboarding and Exploration of Marketing

Marketing I is open to juniors and seniors who have an interest in business and marketing. The marketing education program provides the student with information and directions in the field of marketing. This course is designed for the students who wish to gain a basis in the marketing area for further study beyond high school.

Note: this course may be substituted for ½ credit in Economics.

HONORS ENTREPRENEURSHIP: 1 Credit (Grade 12)

Course #5005H

Prerequisite: Marketing and Management Principles I

This course helps students be successful in selecting a business, preparing a business plan, and managing the ongoing operations of a small business. It includes the following units of study: human resources development, economic fundamentals, marketing and management foundations, risk management, product/service planning and purchasing, pricing and promotion. Students will conduct an extensive research project and complete a written event as well as develop professional business presentations by utilizing the most current software programs available.

MARKETING COOPERATIVE EDUCATION: (Grade 12)

Course #5098

1 Credit for a minimum of 10 hours per week supervised work experience

2 Credits for a minimum of 20 hours per week supervised work experience

Prerequisite: Marketing and Management Principles I

To participate in the cooperative Education program, seniors must have successfully completed Marketing and Management Principles I during their Junior year and be enrolled in Entrepreneurship or Sports and Entertainment Marketing.

Marketing Cooperative Education is on-the-job training in marketing related occupations. Employment must be approved by the instructor and maintained throughout the school year. Check stubs will verify required work hours.

RETAIL OPERATIONS: 1 Credit (Grade 12 only)

Course #5022

Prerequisite: Keyboarding and Instructor Approval

Students learn various retailing skills through working in the school bookstore. Some of the various activities include: stocking, inventory, display, cashiering, balancing, planning and communication.

(Marketing Education continued)

HONORS SPORTS AND ENTERTAINMENT MARKETING: 1 Credit

(Grade 12 only)

Course #5023H

Prerequisite: Marketing and Management Principles I or Retail Operations

Sports and Entertainment Marketing is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Students will develop skills in the areas of facility design, merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry.

EXPLORATION OF MARKETING AND MANAGEMENT: 1/2 Credit

(Grades 9-10)

Course #5014

This course is designed to introduce and provide an overview of marketing and management, as well as employment opportunities available in these fields. Students will explore important marketing concepts, functions, personality traits, and communication necessary for marketing and management careers.

TRAVEL AND TOURISM: 1 Credit

(Grades: 11-12)

Course #5003

Prerequisite: Marketing and Management Principles I

Travel and Tourism is a growing industry encompassing a variety of businesses and employment opportunities. This course prepares students for gainful employment and/or post-secondary training in the industry of travel and tourism. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities and by developing the human relations, communications and technical skills needed for advancement.

TRANSPORTATION

TRANSPORTATION CORE: 1/2 Credit (Grades 9-10)

Course # 5702

The Transportation Core course prepares students for entry into all subsequent transportation courses. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations and basic technician skills. Upon completing this course, students may enter automotive service technology, diesel equipment maintenance technology, recreational vehicle service technology, collision repair and refinish technology, or aviation maintenance.

AUTO BRAKES SYSTEMS: 1 Credit (Grades 10-12)

Course #5712

Prerequisite: Transportation Core

This course focuses on the automotive braking system. The student will learn brake system operation, be able to diagnose and repair the hydraulic system, disc brakes, drum brakes, power brakes, parking brakes, and anti-lock brakes. After successfully completing the course, the student will be prepared to take the Automotive Service Excellence (ASE) test in automotive brakes. This course will also explain the basic skills and knowledge of automobile operation and maintenance.

AUTO SUSPENSION AND STEERING: 1 Credit (Grades 10-12)

Course #5710

Prerequisite: Transportation Core

This course focuses on the automotive steering and suspension system. The student will learn steering and suspension operation, be able to diagnose and repair steering systems, suspension systems, and tires and wheels. Also, the student will be able to diagnose, adjust, and repair wheel alignment. After successfully completing the course, the student will be prepared to take the Automotive Service Excellence (ASE) test in automotive suspension and steering. This course will also explain the basic skills and knowledge of automobile operation and maintenance.

AUTO ENGINE PERFORMANCE: 2 Credits (Grades 11-12)

Course #5711

Prerequisite: Automotive Brakes or Auto Suspension and Steering, and Transportation Core

This course focuses on the automotive engine performance. The student will learn inspecting and testing sensors, diagnose and repair air induction, fuel, ignition, and emission control systems. The student will also learn to use computer diagnostics OBD-I and II. After successfully completing the course, the student will be prepared to take the Automotive Service Excellence (ASE) test in engine performance. **Offered 2010-2011.**

(Transportation continued)

AUTOMOTIVE: ELECTRICAL/ELECTRONICS: 2 Credits (Grades 11-12)

Course #5713

Prerequisite: Transportation Core

This course prepares students for entry-level positions or advanced training in automotive electrical and electronics systems. Course content prepares the student with a foundation to enter the automotive engine performance course. **(This course will be offered for the 2011 – 2012 school year) This course is accepted for credit at the Tennessee Technology Centers.**

HIGH SCHOOL 101: 1/2 Credit (Grade 9 only)

Course #3795

This course is designed to better prepare students for the rigorous expectations of high school. The curriculum focuses on: communication skills, learning styles, technology literacy, people skills, choices/consequences, test taking/study skills, time management, business literacy, tolerance/diversity, and financial literacy. Students will also be made aware of credit requirements for graduation and review individual *Explore* assessment results. This course will received ½ academic, elective-credit towards high school graduation requirements.

OFFICE AIDING

OFFICE TRAINING: 1 Credit (Grade 12)

Course #93100

Prerequisite: None

As office assistants, students gain an understanding of basic office procedures and the procedures for a well-run office. Students are evaluated through observation and using a checklist to record students meeting objectives. This course supplements other business courses. You must have at least a 3.0 GPA and be a senior. You must also have Mr. Ridley's signature on your registration form. Numerical grade will be given for this course.

TEACHER AIDE: 1 Credit (Grade 12)

Course #9310T

Prerequisite: None

This program provides students with more awareness of the duties and expectations of the teaching career field. It also enhances cooperation between faculty and students. Students work directly with teachers, librarians, and other certified personnel. You must have a 3.0 GPA and be a senior. You must have Mr. Ridley's signature on your registration form. Students will receive a pass/fail grade.

PEER TUTORING "Nature and Needs of the Exceptional Learner"

1/2 Credit or 1 Credit

Course #9305

The Peer Tutoring course is intended to help you become more effective as a peer tutor and advocate with people who have disabilities. Credit earned in this course may be counted as an elective within the 20 units required for graduation but may not count toward the core curriculum.