

West Cabarrus High School
Course Descriptions for Grades 10-12

ENGLISH II

Grade 10

Prerequisite: English I

English II continues the focus on world literature. Students read and study literature and other various genres of printed materials in order to respond to literature through writing.

HONORS ENGLISH II

Grade 10

Prerequisite: A in Eng. I or B in

Hon. Eng. I

Honors English II continues the focus on in-depth analysis of significant works of literature. Special emphasis is given to vocabulary study in preparation for reading, writing, and SAT testing. Higher level thinking skills are introduced in the study of composition and literature.

English III

Grade 11

Prerequisite: English II

English III is a comprehensive grammar, composition, oral communication, and literature course that encourages the expansion of writing skills and experimentation with new ideas. Thematic selections reveal the intellectual and emotional growth of the United States. This course emphasizes the relationship of literature to language and composition through the study of vocabulary and written assignments.

Honors English III

Grade 11

Prerequisite: A in Eng. II or B in

Hon. Eng. II

English III Honors consists of an in-depth study of American Literature and a continued emphasis on composition. Writing is stressed, and exercises include compositions, literary analysis, journals, and a research paper. Oral presentations are also required of students.

AP English Language & Composition

Grade 11

Prerequisite: Honors English II

May count as English III credit if taken as a yearlong course. Language and Composition is an advanced placement course designed for the serious student with strong analytical skills in reading, reading comprehension, and writing. This course emphasizes non-fiction and writing skills as recommended by the college board curriculum. Extensive reading and writing are required. Furthermore, strong skills in both grammar and language are necessary. Students may receive college credit based on an acceptable test score.

English IV

Grade 12

Prerequisite: English III

English IV consists of the study of British and Western Literature as well as a review of needed grammar, vocabulary, and the writing of a research literary paper. A thematic approach to the study of the literature is combined with the traditional chronological approach in an attempt to present the student with historical and cultural background for the various periods in literary achievement.

Honors English IV

Grade 12

Prerequisite: A in Eng. III or B in

Hon. Eng. III

English IV Honors is an in-depth study of British and Western literature as well as composition, a review of needed grammar, vocabulary, and the writing of a research paper. A thematic approach to the study of the literature is combined with the traditional chronological approach in an attempt to present the student with historical and cultural background for the various periods in literary achievement. Grammar is reviewed as needed. Emphasis is placed on the study of vocabulary.

AP English Literature & Composition

Grade 12

Prerequisite: Honors English III

May count as English III credit if taken as a yearlong course. Language and Composition is an advanced placement course designed for the serious student with strong analytical skills in reading, reading comprehension, and writing. This course emphasizes non-fiction and writing skills as recommended by the college board curriculum. Extensive reading and writing are required. Furthermore, strong skills in both grammar and language are necessary. Students may receive college credit based on an acceptable test score.

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FOUNDATIONS OF MATH I

Grades 9-12

Prerequisite: None

The study of Foundations of Math I provides a foundation in skills necessary for students to be successful in Math I. The primary concepts taught in this course are the four fundamental operations of real numbers and their use in the solution of simple equations and related problems. After this course, student will take Math I.

MATH I

Grades 9-10

Prerequisite: None

Math I provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties and interpreting categorical and quantitative data.

Honors Math I

Grade 9-10

Prerequisite: 8th Grade Math with an 85 or higher

NC Math 1 Honors provides students with a more rigorous opportunity to study concepts of algebra, geometry, functions, number and operations, statistics, and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple

functions, expressing geometric properties, and interpreting categorical and quantitative data.

MATH II

Grades 9-12

Prerequisite: Math I

Math II continues a progression of the standards established in Math I. In addition to these standards, Math II includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions.

HONORS MATH II

Grades 9-12

Prerequisite: A in Math I or B in Hon. Math I

Honors Math II is a brisk-paced, in-depth course dealing with both theory and application. Two and three dimensional figures are studied with concepts of space geometry being integrated with plane geometry throughout the text. Other topics include deductive reasoning, indirect proofs, trigonometry, constructions, coordinate geometry, and transformations.

Math III

Grades 9-12

Prerequisite: Math II

Math 3 progresses from the standards learned in Math 1 and Math 2. In addition to these standards, Math 3 extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math 3 also includes the geometric concepts of conics and circles.

Honors Math III

Grades 9-12

Prerequisite: A in Math II or B in

Hon. Math II

Math 3 Honors is a more rigorous course that progresses from the standards learned in Math 1 and Math 2. In addition to these standards, Math 3 extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math 3 also includes the geometric concepts of conics and circles.

Math IV

Grade 9-12

Prerequisite: Math III

Honors Math IV

Grades 9-12

Prerequisite: A in Math III or B in Hon. Math III

Honors Pre-Calculus

Grades 10-12

Prerequisite: Honors Math III

This is a rigorous course including some topics in Adv. Functions & Modeling and some discrete math topics and an in-depth study of trigonometry. After this course, students may take AP Statistics or AP Calculus. Graphing calculators are used.

AP Statistics

Grades 10-12

Prerequisite: Honors Math III

This course covers the content of a typical introductory college course in statistics. This course provides an overview and introduction to statistics, and introduces students to the major concepts and the methods for collecting, analyzing, and drawing conclusions from data. The course prepares students for the AP exam. AP statistics is an excellent option for any student who has completed a course beyond Math III with a B average or

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better, regardless of the student's intended college major.

Honors Calculus

Grade 10-12

Prerequisite: Pre-Calculus

This course will create a bridge between Pre-Calculus and AP Calculus AB for students who are interested in pursuing AP Calculus AB, but are not ready for the rigor of AP Calculus AB and BC.

AP Calculus AB

Grade 10-12

Prerequisite: Pre-Calculus

Advanced Placement Calculus AB includes the following topics: limits and continuity of functions, the concept of the derivative, application and computation of derivatives, and interpretations of definite integrals. TI-83+, TI-86, or TI-89 calculators are required for this course.

AP Calculus BC

Grade 10-12

Prerequisite: AP Calculus AB

Calculus BC is a continuation of Calculus AB with new topics to include integration by parts, integration by substitution, series, convergence of series, and Taylor and Maclaurin series. Upon completion of this course, students are prepared to take the AP Calculus exam and may receive college credit based on their scores.

EARTH/ENVIRONMENTAL SCIENCE
Grade 9

Prerequisite: None

The Earth/Environmental Science curriculum focuses on the function of the earth's systems. Emphasis is placed on matter, energy, crystal

dynamics, environmental awareness, materials availability, and the cycles that circulate energy and material through the earth system. The areas of inquiry include: energy in the earth systems, geochemical cycles, origin and evolution of the universe, predictability of a dynamic earth, and human interactions with the earth's geologic and environmental systems.

HONORS

EARTH/ENVIRONMENTAL SCIENCE

Grade 9

Prerequisite: A or B in 8th Grade Science

Honors Earth/Environmental Science course focuses on the functions of the earth's systems in a more in-depth, detailed, and demanding perspective than Earth/Environmental Science. Special emphasis is placed on hands-on projects and application of concepts.

Biology

Grades 10-12

Prerequisite: Earth/Environmental Science

Biology is the study of living things. Major areas of emphasis in this course are scientific inquiry, cells, heredity, evolution, the unity and diversity of life, and ecology. Laboratory work accompanies a variety of teaching methods in the course.

HONORS BIOLOGY

Grades 10-12

Prerequisite: B in Honors Earth/Environmental Science, A in Earth/Environmental Science

This course is an in-depth study of biology which involves research and individual laboratory work. The topics include: energy of life, cell structure and function,

reproduction, genetics, adaptation, classification, psychology, environment and ecology, dissection and comparative anatomy. Honors Biology is designed to develop the student's ability to observe and understand the living world.

Physical Science

Grade 10-12

Prerequisite: Biology

Physical Science is a survey course covering mechanics, heat, light, sound, magnetism, electricity, chemistry, and nuclear energy. Topics included are motion and work, structure of matter, changes in matter, energy (heat, nuclear, electrical) and waves. Laboratory work accompanies the course content.

Chemistry

Grade 11-12

Prerequisite: Biology

Chemistry is the study of substances, what they are made of, how they react, and how they change. The fundamental ideas of chemistry deal with the nature of elements and the ways in which elements combine to form compounds. Some topics discussed include: atomic theory, equations, the periodic table, chemical mathematics, equilibrium, acid-base theories, and chemical bonding. The student must have a proficient working knowledge of mathematical equations.

Honors Chemistry

Grade 10-12

Prerequisite: Biology and Math II

Chemistry is the study of matter and the change it undergoes. Topics include: Atomic theory, periodic table of elements, chemical bonding, chemical equations, stoichiometry, equilibrium, rates of reactions,

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acid-base chemistry. The student MUST have a PROFICIENT WORKING KNOWLEDGE of mathematical equations. Problem solving skills are emphasized. Areas that are stressed are formal lab presentation, technical writing, data analysis, chemical concepts, and laboratory techniques.

Civics & Economics
Grade 9
Prerequisite: None

Civics and Economics is a study of basic economic concepts, terms and consumer skills, and an introduction to national, state and local government. This course includes a study of the major foundations of the American political system and recognizes the role of a citizen in American society.

HONORS CIVICS & ECONOMICS
Grade 9
Prerequisite :A in 8th grade Social Studies

Honors Civics and Economics is a seminar format course which combines textbook study, lectures, guest presentations and projects in an effort to provide Active Citizenship Training for these students. The curriculum includes a study of the role of political parties, the media and interest groups. An in-depth study of the Constitution and related issues are also included. An essential section of the course is involvement in various projects which affect our school, community, and state.

Holocaust and Genocide
Grades 10-12

Prerequisite: English 1 and World History

This interdisciplinary course, through lessons, readings, discussions, visiting www sites (including the archives at Virtual Jerusalem, Shamash, the US Holocaust Museum, the Simon Wiesenthal Center, and other web sources), and video, will explore the roles of the perpetrators, victims, bystanders and rescuers during these horrific periods in the 20th century.

Military History
Grade 10-12

Prerequisite: World History

This course will survey the history of human conflict from ancient times to the present. The approach will be both chronological (from the Persian Wars to the current War on Terrorism) and thematic (such as leadership, technology, role of women, and the media). Students will access resources at the school media center and computer lab to prepare research papers, presentations, and projects. Rather than memorizing facts or data, students will display critical interpretation.

WORLD HISTORY
Grade 9-12
Prerequisite: None

This course begins with prehistoric times and concludes with modern times. It offers a study of the development of the western world. In addition, it presents non-western civilizations in the framework of their own cultures and shows how these different civilizations have interacted with each other.

HONORS WORLD HISTORY
Grades 9-12

Prerequisite: A in Civics or B in Hon. Civics

This course goes beyond historical events and presents a multi-disciplinary approach, including the arts, economics, science, philosophy, and sociology.

AP World History (Year-long)
Grade 10
Prerequisite: Honors Civics

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies.

Honors 20th Century Civil Liberties
Grade 11-12
Prerequisite: World History

The course will accentuate the history, struggles, successes and similarities of diverse groups of twentieth-century Americans who protested on behalf of civil liberties and civil rights. The course begins with an understanding of America's founding documents. The Declaration of Independence and the United States Constitution and the conceptual and historical paradoxes of each. A foundation of the course should be an understanding of Jefferson's creed that all men are created equal.

American History I
Grade 11-12
Prerequisite: World History/ Civics

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This survey course provides knowledge of U. S. History prior to the 1860's. Students learn how past events have influenced our times. Reading, writing, map study and discussions are vital aspects of the class.

Honors American History I
Grade 11-12

Prerequisite: A in Civics or B in Hon. Civics

This U. S. History course is for students who demonstrate high proficiency in social studies classes and accept the responsibility for independent study and higher levels of thinking. This survey course provides knowledge of U. S. History prior to the 1860's. Students learn how past events have influenced our times. Reading, writing, map study and discussions are vital aspects of the class.

AP US History
Grade 11

Prerequisite:

AP Human Geography
Grade 10-12

Prerequisite: None

The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They will also learn about the methods and tools geographers use in their science and practice.

AP Psychology
Grade 11-12

Prerequisite: Previous Honors Social Studies course

Course purpose is to introduce students to the systematic and scientific study of human, other animal behavior and mental processes. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields. They learn methods psychologists use in science and practice. Course is designed to provide a learning experience equivalent to that obtained in an introductory college course. Students are strongly encouraged to take the AP Test.

AP US Government and Politics
Grade 12

Prerequisite: Honors Civics

This course prepares students to take the Advanced Placement United States Government and Politics exam in May by giving students an analytical perspective on government and politics in the U. S. Students become familiar with the institutions, groups, beliefs, and ideas of political reality in today's nation. With that goal, the course covers: the Constitution and its foundation, political beliefs and behaviors, political parties and interest groups, institutions and processes, and civil rights.

American History II
Grade 11-12

Prerequisite: American History I

This survey course provides knowledge of U. S. History from 1789 to the present. Students learn how past events have influenced our times. Reading, writing, map study and discussions are vital aspects of the class.

Honors American History II
Grade 11-12

Prerequisite: A in Am. Hist. I or B in Hon. Am. History I

This course provides a more in depth study of U. S. History from 1789 to the present. Students learn how past events have influenced our times. Reading, writing, map study and discussions are vital aspects of the class.

HEALTH & PE
Grades 9-12

Prerequisite: None

Health & PE emphasizes the importance of understanding the physical, mental, social, and emotional elements of the body, the responsibility of each person in maintaining and promoting good health and safety individually and as a group, and the development of desirable relationships with others.

Advanced PE
Grades 10-12

This course stresses physical fitness, focusing on body shaping, flexibility, and muscular development of cardiovascular endurance. Emphasis is placed on positive nutritional habits. Learning the rules and techniques of various sports is included.

Sports Medicine I
Grades 10-12

Prerequisite: None

This course teaches students basic first aid, CPR, and various techniques in care and prevention of athletic injuries. Students work directly with the various athletic teams in school throughout the year.

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Sports Medicine II

Grades 10-12

Prerequisite: Sports Medicine I

This course is for students interested in careers in the sports medicine field. Topics include first aid and safety, musculoskeletal and surface anatomy, sports medicine terminology, sports injury treatment, prevention and rehabilitation. Students work directly with the various athletic teams in school throughout the year.

Sports Medicine III

Grades 11-12

Prerequisite: Sports Medicine II

This course is for students interested in athletic training, physical therapy, and other fields so that they will understand the importance of rehabilitation after an athletic injury.

Strength and Conditioning

Grades

MODERN FITNESS

Grades 9-12

Prerequisite: Health & PE

This health and physical education course promotes and encourages high levels of health and wellness in the students. Special attention is given to help students increase levels of fitness in four areas: cardio-respiratory, muscular strength, endurance, and flexibility. The course content is presented in theory and application.

Weightlifting

Grades 10-12

Prerequisite: Health & PE

This course is a progressive program of weight training. In addition to weightlifting, this course includes agility drills designed to help the athlete improve his/her speed and quickness. This course is primarily for athletes in 10th, 11th, and 12th grades.

SPANISH I

Grades 9-12

Prerequisite: None

Spanish I teaches the student to read and write simple Spanish. The student learns to ask and to answer simple questions concerning various aspects of daily life. The student is encouraged to appreciate Hispanic cultures.

Spanish II

Grades 9-12

Prerequisite: Spanish 1

Spanish II increases the student's listening, speaking, reading, and writing skills. Vocabulary is expanded, and students are introduced to more complex grammar rules. Students participate in oral grammar drills and oral question and answer exercises. Appreciation for the Hispanic culture becomes more defined.

Spanish III - Honors

Grades 10-12

Prerequisite: Spanish II

The student's skills in listening, speaking, reading, and writing

increases. Vocabulary and grammar concepts are reviewed and expanded. Spanish literature is introduced.

Honors Spanish IV

Grades 10-12

Prerequisite: Spanish III – Honors

This class is taught in Spanish. Students learn to express opinions and feelings. Hispanic culture is presented through literature, the arts, and history. Grammar is taught as needed.

Spanish for Native Speakers: Level I

I

Grades 9-12

**Prerequisite: Native speaker/
Speak Spanish**

This course is designed specifically for native/heritage speakers of Spanish who already have some oral language proficiency. The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in Spanish by providing them the opportunity to listen, speak, read, and write in a variety of contexts and for a variety of audiences including the family, school, and the immediate community.

Spanish for Native Speakers: Level II

II

Grade 10-12

**Prerequisite: Spanish for Native
Speakers I**

This course is designed specifically for native/heritage speakers of Spanish who already have some oral language proficiency. The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in Spanish by providing them the opportunity to listen, speak, read, and write in a variety of contexts and for a variety

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of audiences including the family, school, and the immediate community.

**Spanish for Health Occupations
Grades 10-12
Prerequisite: Spanish II or Native Speaker**

This course is a response to the incredible need across the county and the nation for healthcare professionals with the ability to interact with patients in languages other than English. Students enrolled in this course will benefit from the specialized terminology and conversational skills they develop when they apply for work and likely on a daily basis in their careers in the medical field. This course does not replace Spanish III (Honors).

**French I
Grades 9-12
Prerequisite: None**

French I teaches students to speak, to understand, to read, and to write simple French. The student learns to ask and answer questions concerning daily life. The student is introduced to and encouraged to appreciate other cultures.

**French II
Grades 10-12
Prerequisite: French I**

French II is a continuation of the aural-oral approach of the first year, with increasing emphasis on grammar and culture. Vocabulary is increased through readings. An effort is made to make students more sensitive to and more understanding of people from different cultures.

**French III- Honors
Grades 10-12
Prerequisite: French II**

French III increases listening, speaking, reading, and writing skills as well as reviews and expands vocabulary usage and grammatical concepts. French literature and civilization are introduced.

**French IV – Honors
Grades 10-12
Prerequisite: French III – Honors**

This class is taught in French. Students talk about current topics of interest, as well as literature, geography, history, and culture, with grammar presented as needed. Emphasis is placed on listening and writing skills.

**CONCERT BAND
Grades 9-12
Prerequisite: None**

In this course, students learn musical works of various composers, instrumental technique and proficiency on their instrument, musical terms and music theory. This course has limited after-school and evening performance requirements. Performance as a band is essential to this class and represents a large portion of the final grade.

**PERCUSSION
Grades 9-12
Prerequisite: Teacher recommendation**

Students are exposed to and offered opportunities to perform on various percussion instruments. Instruction on correct playing methods, history and music theory is included. This course involves preparation for concerts with the concert bands. Students also perform literature specific to the

percussion genre as an ensemble or solo work. This course has performance and after school rehearsal requirements. Students choosing the Proficient or Advanced levels have additional requirements.

**WIND ENSEMBLE – Intermediate
Grades 9-12
Prerequisite: Audition or Teacher Recommendation**

The Symphonic Band/Wind Ensemble is an advanced instrumental ensemble. Significant concert band literature is studied and performed. Individual musical ability is constantly evaluated. This course has performance and after school rehearsal requirements.

**WIND ENSEMBLE – Proficient
Honors
Grades 9-12
Prerequisite: Audition or teacher recommendation**

The Symphonic Band/Wind Ensemble is an advanced instrumental ensemble. Significant concert band literature is studied and performed. Individual musical ability is constantly evaluated. This course has performance and after school rehearsal requirements. Students choosing the Proficient level have additional requirements for a weighted grade.

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THEATRE 1 (Beginning)

Grades 9-12

Prerequisite: None

This course focuses on learning the essential vocabulary, establishing performance skills, as well as exploring basics of technical theatre and theatre history.

THEATRE 2

Grades 10-12

Prerequisite: Theatre 1

Building on concepts learned in Fundamentals and Foundations in Theatre (Beginning), This course is a more detailed study of theatre literature, acting techniques, and technical theatre. This course begins the application of theatrical concepts through informal and/or formal productions.

THEATRE 3

Grades 10-12

Prerequisite: Theatre 2

This course continues to develop knowledge and skills within theatre arts on a more challenging level. Theatre study at this level places a greater emphasis on the production of theatre including script analysis, study of accomplished professionals in the field, creation of original work, script selection, independent performance analysis, & artistic defense.

Theatre 4

Grades 11-12

Prerequisite: Theatre 3

This course includes involvement in formal and/or informal productions through analysis of theatre processes, self-motivation, personal discipline and more demanding projects in directing, technical theatre, acting, and/or writing.

Play Production/ Theatre 5

Grade 12

Prerequisite: Teacher approval and 3 levels of Theatre.

In Play Production Practicum, students will broaden their knowledge and experience in playwriting and directing and apply their knowledge through a project in which they will write, director, design, and/or produce a one-act production. They will also be expected to turn in a portfolio of their work at the end of the term. This course challenges students to discover higher levels of skill and deepen their knowledge of dramatic elements of the written play. Students are expected to do analysis.

MIXED CHORUS- Beginning

Grades 9-12

Prerequisite: None

This chorus is a beginning level class that emphasizes the development of basic vocal technique and music reading skills. Performance as a choral group is essential to this class and represents a large portion of the final grade.

MIXED CHORUS – Intermediate

Grades 10-12

Prerequisite: Mixed Chorus Beginning/ audition or teacher recommendation

This course is an auditioned group that further develops vocal technique, music reading skills, and performance. Performance as a choral group is essential to this class and represents a large portion of the final grade.

MIXED CHORUS – Proficient

Honors

Grades 10-12

Prerequisite: Audition & Mixed Chorus Intermediate or Teacher

recommendation

This elite chorus is an auditioned group that develops the higher order skills of a choral musician. Performance as a choral group is required and represents a large portion of the final grade. Requirements for Honors Credit apply.

MIXED CHORUS – Advanced

Honors

Grades 11-12

Prerequisite: Audition & Mixed Chorus Proficient or Teacher recommendation

This elite chorus is an auditioned group that develops the higher order skills of a choral musician. Performance as a choral group is required and represents a large portion of the final grade. Requirements for Honors Credit apply.

MUSICAL THEATRE

Grades 9-12

Prerequisite: Fundamentals and Foundations in Theatre (Beginning) or Mixed Chorus A or B (Beginning)

The Musical Theatre course explores the development of this theatrical genre. Students understand the musical both in theory and in practice through voice, choreography, and character development. Students learn the craft of telling a story and expressing both characterization and emotion through song.

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**VISUAL ART - Beginning
Grades 9-12
Prerequisite: None**

This course is the basic beginning course to art fundamentals, based on the Elements of Art, and includes art appreciation and art application. It is an activity-oriented course that includes the fundamental of drawing, painting, and color theory. Consideration is given to the exploration of media in both two dimensional and three-dimensional works.

**VISUAL ARTS – Intermediate
Grades 10-12
Prerequisites: Visual Arts
Beginning**

This course is the intermediate course, following VA Beginning. This course continues to develop skills with the previous knowledge of the workings of the Elements of Art, and an additional focus on the Principles of Design. Stress is placed on the artistic process and quality of the art produced.

**VISUAL ARTS – Proficient Honors
Grades 10-12
Prerequisite: Visual Arts
Intermediate**

This course is a proficient level course that builds on the skills from VA Intermediate with a more in-depth approach to the study of art processes and techniques, aesthetic issues, art criticism and art history. Students form artistic goals, become familiar with careers and develop work habits of professionals. Knowledge of the arts in relation to culture, history, other disciplines and careers will be promoted through visual, verbal, and written means.

**VISUAL ARTS – Advanced Honors
Grades 11-12
Prerequisite: Visual Art Proficient**

This course is an advanced level course. Students develop, clarify, and apply their philosophy of art and art making developed in VA Proficient through in-depth, independent, and advanced explorations with media, techniques, processes, and aesthetics. Exceptional initiative, serious involvement, and commitment are expectations of the VA Advanced students, as well as communication through visual, verbal, and written means.

**CERAMICS- Beginning
Grades 10-12
Prerequisite: Visual Arts Beginning**

The class involves hand building techniques with clay. Students are involved with glazing and firing of the clay objects. Texture, proportions, color, and form are re-introduced to enhance the clay projects.

**CERAMICS- Intermediate
Grades 10-12
Prerequisite: Ceramics Beginning**

This class builds on basic hand building skills learned in Ceramics I and introduces throwing on the potter's wheel. Emphasis is on form, texture, and creativity.

**CERAMICS – Proficient Honors
Grades 10-12
Prerequisite: Ceramics
Intermediate**

This course continues an in-depth study working with clay. This class focuses on refinement of wheel throwing skills and sculpture

techniques. Creativity and quality in media are stressed.

**CERAMICS – Advanced Honors
Grades 11-12
Prerequisite: Ceramics Proficient**

This course continues an in-depth study working with clay. This class focuses on refinement of wheel throwing skills and sculpture techniques. Creativity and quality in media are stressed.

**PAINTING – Intermediate
Grades 10-12
Prerequisite: B in Visual Art
Beginning**

This course takes the initial skills of color theory and beginning painting techniques learned in Beginning Visual Art and further explores various media, including tempera, water-color, gouache, and acrylic. Students investigate different styles of painting and continue to the develop their use of the Elements of Art and Principles of Design.

**PAINTING – Proficient Honors
Grades 10-12
Prerequisite: Painting
Intermediate**

This course in a more advanced level of Painting Intermediate. This course moves beyond initial skills of color theory and beginning painting techniques learned in Beginning Visual Art and further explores various media, including tempera, water-color, gouache, and acrylic. Students investigate different styles of painting and continue to the develop their use of the Elements of Art and Principles of Design.

**DIGITAL MEDIA ART FOCUS
Grades 9-12**

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**Prerequisite: Visual Art 1
Beginning**

Students will be introduced to digital medias such as digital photography, graphic design and animation. Through project-based curriculum, learners will develop a skill set in Photoshop, Spark, InDesign and Illustrate, they will participate in hands on activities and integrate design theory into contemporary practices. Students will engage in careers that involve digital medias and create works that reflect our visual culture.

**INTRODUCTION TO
BROADCASTING**

Grades 9-12

Prerequisite: None

This course will explore the role of radio and television broadcasting in our society. In addition, this course will introduce basic production concepts involved in broadcasting media. To this extent, this course will feature hands-on experiences with various media technology as students design and produce various video projects.

**BROADCASTING II
Grades 10-12**

**Prerequisite: Intro to Broadcasting
& Teacher recommendation**

This course will continue to explore the role of broadcasting in our society. Students electing to take this course must possess a high level of maturity, an ability to work independently and in small groups on various broadcast projects, and a desire to approach the daily 'news' broadcast in a professional manner. Students will work directly on and with the daily production of the 'news' broadcast, and also will

be expected to design and produce special video features, promotions, etc.

**LEADERSHIP
Grades 10-12**

Prerequisite: Application

This course develops leadership skills in high school students. Students participate in developing school-wide activities and are required to be at all of these functions. Out of school time is required. Students attempt to increase spirit, serve the community, and serve the school through the activities they plan. This course is required for Student Council officers and class officers in 10th, 11th, and 12th grades.

**YEARBOOK
Grades 10-12**

Prerequisite: Application

The students learn basic journalism skills, including writing, and editing; how to take, choose, and crop pictures for a publication. They are introduced to the technological age by producing publications using computer technology. Students combine text, graphics, and pictures to produce different types of publications. Students learn to use a variety of devices, such as modems for telecomputing and scanners for scanning pictures from outside sources.

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**CORE & SUSTAINABLE
CONSTRUCTION**

Grades 9-10

Prerequisite: None

Course Description: This course covers basic construction terminology and develops technical aspects of core construction with emphasis on development of introductory skills. English language arts and mathematics are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Geometry is recommended as preparation for this course. *Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

**CARPENTRY I
Grades 10-12**

Prerequisite: Core and Sustainable Construction

This course covers basic carpentry terminology and develops technical aspects of carpentry with emphasis on the development of introductory skills to include orientation to the trade, building materials, fasteners, and adhesives, hand and power Tools, reading plans and elevations, introduction to concrete, reinforcing materials, and forms, floor system construction procedures, wall and ceiling framing procedures, and basic stair layout. English language arts and mathematics are reinforced.

**CARPENTRY II – Honors
Grades 10-12
Prerequisite: Carpentry I**

This course builds on skills mastered in Carpentry I and provides an emphasis on roof framing procedures, roofing applications, thermal and moisture protection, windows and exterior doors installation, exterior finishing, and the introduction to weatherization module. English language arts and mathematics are reinforced.

**DRAFTING I
Grades 9-11
Prerequisite: None**

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas, concepts and trends found in the areas of architecture, manufacturing, engineering, science, and mathematics, sketching and computer assisted design (CAD) skills and techniques. English language arts, mathematics, and science are reinforced.

**DRAFTING II – Engineering Honors
Grades 10-12
Prerequisite: Drafting I**

This course teaches the development of knowledge and advanced skills in Engineering Drafting and Design. An understanding of 3D CAD concepts and terms, and the use of 3D CAD software such as INVENTOR or SolidWorks, are essential to this course, and the required method of producing finished drawings. Topics include cover advanced levels of Engineering Drafting and Design, Career Opportunities, Problem Solving, Manufacturing Processes,

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Parametric- Solid Modeling,
Dimensioning and Tolerancing,
Work

DRAFTING III – Engineering Honors
Grades 10-12

**Prerequisite: Drafting II-
Engineering Honors**

This course teaches the development of knowledge and advanced skills in Engineering Drafting and Design. An understanding of 3D CAD concepts and terms, and the use of 3D CAD software such as INVENTOR or SolidWorks, are essential to this course, and the required method of producing finished drawings. Topics include cover advanced levels of Engineering Drafting and Design, Employment Requirements, Engineering Design Concepts and Principles, and Advanced Manufacturing Processes.

DRAFTING II- Architectural Honors
Grades 10-12

Prerequisite: Drafting I

This course focuses on the principles, concepts of architectural design , and use of Building Information Modeling (BIM), used in the field of architecture. An emphasis is placed on the use of 3D CAD tools in the design and execution of floor plans , foundation plans, wall sections, and elevation drawings. An understanding of 3D CAD concepts and terms , and the use of 3D CAD software such as REVIT , are essential to this course, and the required method of producing finished drawings.

DRAFTING III- Architectural Honors
Grades 10-12

**Prerequisite: Drafting II-
Architectural Honors**

This course introduces students to advanced architectural design concepts and Building Information Modeling (BIM). Emphasis is placed on the continued use of 3D CAD tools and software such as REVIT, in the design and execution of site and foundation plans, electrical/lighting plans, stair/railing design, bath and kitchen details, multi-level floor systems, site development, renderings and walkthroughs, as well as small commercial building and design.

LOGISTICS I

Grades 9-10

Prerequisite: None

Logistics I is an introductory course designed to help students understand the importance of the logistics industry. Topics covered include material handling, warehousing, distribution channels, and supply chain management. This course is part of a sequence in the Transportation, Distribution and Logistics career cluster.

LOGISTICS II

Grades 10-12

Prerequisite: Logistics I

Logistics II is designed to allow students to experience and understand the importance of the logistics industry. The course focuses on supply chain management and its relevance to logistics and distribution channels. Logistics II is the completer course for the Transport Systems Technologies Pathway.

**Principles of Family & Human
Services**

Grades 9-11

Prerequisite: None

Students learn life literacy skills and individual, family, and community systems in the context of the human services field. Emphasis is placed on human development, professional skills, diversity, analyzing community issues, and life management. Activities engage students in exploring various helping professions, while building essential life skills they can apply in their own lives to achieve optimal wellbeing. English/language arts, social studies, mathematics, science, and technology.

Food and Nutrition I

Grades 10-11

Prerequisite: None

This course examines the nutritional needs of the individual. Students learn fundamentals of food production, kitchen and meal management, food groups and their preparation, and time and resource management. English language arts, mathematics, science, and social studies are reinforced.

Food and Nutrition II

Grades 10-12

**Prerequisite: Food and Nutrition
I**

In this course, students experience the cross-section of nutrition science and food preparation while building skills for an expanding range of career opportunities. Emphasis is placed on health and social responsibility while improving the way people eat. Students come to understand food protection, nutrients, lifespan nutrition, sports nutrition, medical nutrition therapy, American and global foodways, and entrepreneurship. English language arts, social studies, mathematics, and science are reinforced.

Interior Design I
Grades 10-12
Prerequisite: None

This course engages students in exploring various interior design professions, while building the content knowledge and technical skills necessary to provide a foundational knowledge of the design industry. Emphasis is placed on the interior design process; human, environmental and behavioral factors; color theory, elements and principles of design; hand sketching/digital design techniques, space planning, selection of products and materials for residential interiors; and client relationship building.

Interior Design II
Grades 10-12
Prerequisite: Interior Design I

This course prepares students for entry-level and technical work opportunities in the residential and non-residential interior design fields. Students deepen their understanding of design fundamentals and theory by designing interior plans to meet living space needs of specific individuals or families. Topics include application of design theory to interior plans and production, selection of materials, and examination of business procedures. Art and mathematics are reinforced.

NOTES:

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