

CURRICULUM GUIDE

2019-2020 School Year

FINE ARTS

110-A **ART I**

111-B **Credit: .50 each semester**

Grades: 9-12

This course is designed to introduce students to the process of art, art history, and art appreciation. The areas covered are drawing, painting, ceramics, sculpture, mixed media, fibers, printmaking, construction and design, art appreciation, and careers. Emphasis is on developing ease and familiarity with areas such as language and terminology, material and tool use, techniques and styles, and presentation skills. Creative and imaginative thinking is encouraged for each assignment. Individual projects are expected from each area. Many assignments require sketching and redesigning until the instructor approves the student's ideas. Participation and effort are essential to this course. There is also some homework and research work that must be done outside of class. Students will be required to supply their own 18" ruler, scissors, erasers, crayons, colored pencils, and markers.

120-A **ART II**

121-B **Credit: .50 each semester**

Grades: 10-12

Prerequisite: Passing grade in Art I

This course is a continuation of Art I. A higher level of craftsmanship and more exploratory work into the philosophy of art is expected. More difficult and technical problems will be encountered as well as assignments that are more complex in nature. Students will begin to work on an individual basis. Areas covered in Art II are similar to those completed in Art I, only a higher level of creativity and skill are expected. Students will be expected to know terms, basic language, basic processes, and material and tool uses. Planning and designing for each assignment is stressed, also presentation of all assignments is very important. There is also some homework and research work that must be done outside of class. Students will be required to supply their own 18" ruler, scissors, erasers, crayons, colored pencils, and markers.

130-A **ART III**

131-B **Credit: .50 each semester**

Grades: 11-12

Prerequisite: Passing grade in Art II

A continuation of Art II, with more emphasis on the student's chosen area of interest. The student will work in the areas of drawing, painting, printing, ceramics, sculpture, fibers, construction and design, art appreciation, and mixed media. Each of these areas has a required assignment to develop the student's artistic awareness. The student will demonstrate advanced knowledge in the uses of the materials, tools, and languages associated with the assignments or projects. During the final nine weeks, the student will be working independently in an area of his or her own interest and in one in which he or she would like to explore more in-depth. There is also some homework and research work that must be done outside of class. Students will be required to supply their own 18" ruler, scissors, erasers, colored pencils, markers and large canvas (18x24)

140-A **ART IV**
141-B **Credit: .50 each semester**
 Grade: 12

Prerequisite: Passing grade in Art III

Subject matter and content are very similar to that found in Art III. This, however, is at a much higher level. The student does the work on an individual basis with the guidance of the instructor. The student will work with materials never before tried, as well as those mediums he or she has used, to create a portfolio of work. Art IV work completed by the student must demonstrate advanced knowledge and skill in the use of the materials, tools, language, craftsmanship, and presentation skills. There is also some homework and research work that must be done outside of class. Students will be required to supply their own 18" ruler, scissors, erasers, colored pencils, markers, and 2 large, (18 x 24) canvases.

143 **GRAPHIC ARTS**
Credit: .50 (1 semester course)
Grades: 11 & 12

Prerequisite: Completion of Art I & II

This course is an introduction to using digital media in creating and manipulating photographs and pieces of visual art through the use of Adobe Photoshop, as well as, creating/drawing images utilizing Adobe Illustrator. Students will see real-world connections to logos, web design, video game design, interior design and clothing/fashion.

This course is built off of the foundations of visual art and applied into a digital format.

145 **Dual Enrollment ART APPRECIATION Owens ART 101**
Credit: 1 (semester course)

Introduces the plastic arts and critical theory affecting those arts, which include the ways of perceiving formal elements of art, media, design and architecture. Exposure to the ways in which artists of both East and West have expressed themselves. Fosters the understanding of the framework of this art, (the culture that created it) and an ability to make critical judgments about art and culture.

146 **Dual Enrollment HISTORY OF WESTERN ART Owens ART 105**
Credit: 1 (semester course)

Designed to introduce the student to the major movements, trends, and artists in Western culture. Includes art, sculpture, and architecture and outlines the fundamental conceptual framework. Underlines the production of Western Art from its origins in ancient Greece to the present.

MUSIC

150-A **BAND**
151-B **Credit: .50 each semester (May repeat each year)**
 Grade: 9-12

Prerequisite: Open to any current band member, or any student with director's approval

Membership in band will include marching band and concert band, with options for jazz band, pep band, and solo and ensemble contest.

160-A **CHOIR**
161-B **Credit: .50 each semester (May repeat each year)**
 Grade: 9-12

Prerequisite: Open to any current choir member, or with director's approval

Any student interested in the preparation and performances of many styles of music. As part of the course requirement, students must attend all rehearsals and performances. The choir will perform many concerts in and out of school, and there are options for choral contests, show choir, and solo competitions.

152 **HISTORY OF ROCK & ROLL**
Credit: .50 (1 semester course)
Grade: 10-12

The class will examine the historical events that led to the formation of Rock and Roll. The class will learn elements of music and see how musicians used those elements to create their unique sound. Students will explore the most influential songs and artists of the Rock genre as well as discuss the political and social ramifications from the music.

155 **GUITAR ENSEMBLE 1 & 2**
156 **Credit: .50 each semester**
 Grade: 9-12

Prerequisite: Must complete Guitar Ensemble 1 with a passing grade to enroll in Ensemble 2.

Guitar Ensemble covers the basics of the guitar and applies essential music fundamentals. Students will learn the basics of playing the guitar at a beginning level through studying music notation, chord symbols and peer modeling. A brief history of the guitar along with a study of its respective musical styles will also be covered in this course. Guitar Ensemble 2 is a continuation of the playing of the guitar as well as using the fundamentals learned in Guitar Ensemble 1.

BUSINESS EDUCATION

201-A **INTRODUCTION TO BUSINESS**
202-B **Credit: .50 each semester**
 Grade: 9-12

Everyone in our economy interacts with business through the products we buy, the advertisements we see and hear, the jobs we hold, and the money we invest. In Introduction to Business we study:

201-A First Semester: Economic Decisions and Systems, Economic Activity, Business in the Global Economy, Social Responsibility of Business and Government, Business Organization, Entrepreneurship and Small Business Management, Management and Leadership, Human Resources, Culture and Diversity, and Career Planning and Development.

201-B Second Semester: Marketing, Business and Technology, Financial Management, Production and Business Operations, Risk Management, Consumers in the Global Economy, Money Management and Financial Planning, Banking and Financial Services, Consumer Credit, Savings and Investment Strategies and Insurance.

225 **BUSINESS LAW**
Credit: .50 (only 1 semester)
Grade: 10-12

Business Law is a one semester course studying law common to daily life. A basic understanding of law may prevent legal difficulties in the future. In Business Law we study:

Our Laws, Ethics and Our Law, Constitutional Rights, The Court System, Our Criminal Laws, Personal Injury Laws, Offer and Acceptance, Genuine Agreement, Mutual Consideration, Law of Capacity, Legality of Contracts and Written Contracts.

240 **KEYBOARDING I**
Credit: .50 (only 1 semester)
Grade: 9-12

Student will learn the touch method of typing on a QWERT keyboard. This is a web-based program that is self-directed. Students open a program and follow software instructions to complete assigned lessons. Students are graded on speed and accuracy along with typing technique.

230 **DIGITAL TOOLS**
Credit: .50 (only 1 semester)
Grade: 9-12

Word/Docs, Excel/Sheets, Powerpoint/Slides and everything Google will be discussed in this elective course. Students are encouraged to take this course since these basic tools are used in many high School and college courses. Use of Classroom, Calendar and your school Email are addressed.

231 **DIGITAL WORLD**
Credit: .50 (only 1 semester)
Grade: 9-12

Prerequisite: Digital Tools

Create the unexpected in this course that focuses on advanced digital learning processes. As students gather and arrange data, they must decide where to move next! Eventually students will produce and present final projects to prove mastery within their digital world. The learning process will be supported by using apps and skills such as coding, robotics, snap circuits, gaming, web design and virtual reality. This course uses project-based learning scenarios in the computer sciences setting.

300-A **PUBLICATIONS**
301-B **Credit: .50 each semester (May repeat each year)**
Grade: 9-12

Prerequisite: Accumulative GPA average of 2.0 or above in Language Arts.

Students will learn the process from beginning to end by creating the Enbee yearbook that will be printed and available for sale to the public. This process includes learning organizational skills, theme development, layout design and photo selection, the interviewing process, working within deadlines, and how to complete ad and book sales. Students will represent NBLS in a professional manner when attending extra-curricular activities in order to gather information, (interview coaches, athletes, students, teachers, and take photos), for their assigned pages. Students will dress in a professional manner when selling books and ads to community businesses and members. Students not meeting deadlines may be required to stay after school or work during the summer to finish pages. **Once a student has taken this course they may sign up for it during a different period of the day.**

LANGUAGE ARTS

310-A FRESHMAN LANGUAGE ARTS

311-B Credit: .50 each semester

Grade: 9

In this course students will investigate a wide range of literary genres as well as delve deeply into substantive, complex expository works of nonfiction. Students will learn how to provide objective summaries that incorporate both inferences drawn from the text and citations extracted directly from what they have read. Students will study the seminal foundational documents of the United States as well as grasp differing perspectives and points of view embedded in works of world literature. In writing, students will express themselves in multiple writing formats, from investigative reports and literary analyses to summations and research papers. Students will conduct several research projects, using more complex materials and specialized sources than they did in elementary and middle school. Across all writing formats, students will learn to develop a central idea; maintain a coherent focus in their writing; and elaborate the points they make with well-documented and relevant examples, facts, and details.

315-A FRESHMAN LANGUAGE ARTS-CP

316-B Credit: .50 each semester

Grade: 9

Prerequisite: An “A” or “B” average in 8th grade Language Arts and consent of instructor and administrator

This course provides the student with an introduction to the formal study of literature. All forms are explored with major emphasis on short story craft and development. Grammatical usage and language mechanics are studied. Students will develop strong vocabulary skills. Writing will include a report, short poems, a short essay, several short themes, a short critique, persuasive paper, and compiling a journal. Oral reports, an informative speech, and a persuasive speech will also be presented. Emphasis is placed on college-oriented English skills. Expectations will be that students’ writing and reading skills will be at an advanced level, reflected in rubric-style grading. Writing progress and assessment may be monitored through student portfolios. There will be additional class meetings outside of daily scheduled class time.

320-A SOPHOMORE LANGUAGE ARTS

321-B Credit: .50 each semester

Grade: 10

Students will examine a diverse set of literary genres and pursue their investigation of substantive, complex expository works of nonfiction and learn to analyze the meaning of both literary and nonfiction works. Students will learn how to firmly grasp how authors craft their prose and how writers make their argument(s) cohere. Students will also become adept at comparing and contrasting how ideas, themes or concepts are presented in two different artistic mediums in which different details are emphasized. Students will continue analyzing seminal foundational documents of the United States as well as grasp differing perspectives and points of view embedded in works of world literature. Students will learn diverse writing formats and prose settings, from investigative reports and literary analyses to summations and research papers. Students will continue to conduct several research projects, using more complex materials and specialized sources than in previous years. Across all writing formats, students will further develop a central idea; maintain a coherent focus in their writing; and elaborate the points they make with well-documented and relevant examples, facts, and details.

325-A **SOPHOMORE LANGUAGE ARTS-CP**

326-B **Credit: .50 each semester**

Grade: 10

Prerequisite: An “A” or “B” average in Freshman Language Arts CP or an “A” or “B” average in Freshman Language Arts and consent of instructor and administrator

The program consists of a combination of grammar, composition, and literature. The grammar portion focuses upon review of parts of speech and sentence patterns. The literature program consists of plays, short stories, poetry, essays, and novels. The composition consists of character sketches, literary analysis, persuasive essays, short poems, book reviews, a short story, a research paper, and compiling a journal. Speeches and oral reports of various types will also be formulated and presented. Emphasis is placed on college-oriented skills. Expectations will be that students’ writing and reading skills will be at an advanced level, reflected in rubric-style grading. Writing progress and assessment may be monitored through student portfolios. There will be additional class meetings outside of daily scheduled class time.

327-A **COLLEGE READINESS I**

328-B **Credit: .50 each semester**

Grade: 9-11

This year long course helps college bound students develop the skills they will need to succeed in future college prep high school English courses. In College Readiness I, students will write creatively, prepare for the verbal and essay portion of the ACT, study advanced literature, and participate in research projects.

330-A **JUNIOR LANGUAGE ARTS**

331-B **Credit: .50 each semester**

Grade: 11

Students will learn how to understand and analyze substantive, complex expository works of literary nonfiction as well as a diverse spectrum of stories, poems, plays, and novels such that they can produce ample amounts of evidence to support inferences. Students will also perform a variety of complex reading tasks focused on recurrent themes in American literature and foundational works of American political philosophy, from grasping the subtleties of an author’s point of view to perceiving when a text leaves matters ambiguous. Students will determine how multiple themes or ideas combine and intertwine to produce a complex narrative or explanation as well as evaluating the premises, arguments, and rhetoric present in seminal texts from American history. In writing, students will be making oral and written arguments that are logical and well-reasoned by objectively assessing the evidence on all sides of an issue. Students develop fluency, flexibility, and focus to produce high-quality drafts under tight deadlines and be equally proficient at editing and revising their written work (over multiple drafts if needed).

335-A **JUNIOR LANGUAGE ARTS-CP**

336-B **Credit: .50 each semester**

Grade: 11

Prerequisite: An “A” or “B” average in Sophomore Language Arts CP or an “A” or “B” Sophomore Language Arts and consent of instructor and administrator

Junior English College Prep is a whole-language course that includes the following: a study of the various types of literature and poetry. It will focus on writing improvement, presentations, vocabulary development, and reading appreciation. Students are introduced to literature that defines society as a whole. Novels are studied in class as well as out along with short stories and poems. Students will improve skills as they work on personal papers, responses to literature, and other writings of interest. Expectations will be that the students’ writing and reading skills will be at an advanced level. There will be additional class expectations, homework, and high level writing assignments.

340-A **SENIOR LANGUAGE ARTS**

341-B **Credit: .50 each semester**

Grade: 12

Senior Language Arts is a whole language course that includes the following: a comprehensive study of English and British literature, writing improvement, oral presentations, speech, vocabulary development, and review of standard English mechanics/usage. Students examine literature from a variety of perspectives that include mythological, historical, sociological, and reader response. Students will write in depth, multi-draft analytical papers with concentration on content, voice, mechanics, and overall appeal. Students will read selections as a class as well as individual choice books. Writing progress and assessment may be monitored through student portfolios.

345-A **SENIOR LANGUAGE ARTS-CP**

346-B **Credit: .50 each semester**

Grade: 12

Prerequisite: An “A” or “B” average in Junior Language Arts-CP or an “A” or “B” average in Junior Language Arts and consent of instructor and administrator

This course is the same as 340-341 with the following additions: Language Arts-CP is designed for the senior who definitely plans to attend either a two or four year college. This session includes practice in critical writing responses to pieces studied. Students who plan to attend post-high school programs will be introduced to skills needed to use a college or university library. Writing progress and assessment may be monitored through student portfolios. There will be additional class expectations, homework, and high level writing assignments.

337-A **COLLEGE READINESS II**

338-B **Credit: .50 each semester**

Grade: 12

This is an elective course for students who are interested in attending a 2-year or 4-year college. Students should be enrolled in CP English and motivated to improve their skills for added success in college. This course will cover college level writing, strategies for success, speech, as well as scholarship writing.

350 **Dual Enrollment Language Arts-BGSU GSW 1110**

351 **Dual Enrollment Language Arts-BGSU GSW 1120**

Credit: 1 each semester

These courses will be offered through Bowling Green State University in a North Baltimore High School classroom for both high school and college credit. To be considered for these courses the high school student must attend the College Credit Plus meeting held in the winter at NBHS as well as apply to BGSU, be accepted, and meet all requirements set forth by the University. Preference will be given to upperclassmen and based upon teacher recommendations.

GSW 1110 Fall semester will cover basic expository writing; emphasis on organizing and developing coherent essays of at least 800 words for college-educated audiences. Students must complete course and program portfolio assessment successfully to receive an S grade from BGSU. NBHS will provide a letter grade (A,B,C,D,F) for the high school transcript based upon classroom performance.

GSW 1120 Spring semester will include expository writing including a research paper; emphasis on analytical writing based on critical reading. Students must complete course and program portfolio assessment successfully to receive a passing grade. BGSU will give college credit for an A,B,C. NBHS will provide a letter grade (A,B,C,D,F) for the high school transcript based upon classroom performance.

FAMILY AND CONSUMER SCIENCE

(VOCATIONAL)

*****All students enrolled in Family and Consumer Science classes are considered a part of the student organization Family, Career and Community Leaders of America (FCCLA)*****

403 **PERSONAL WELLNESS**

Credit: .50 (semester course)

Grade: 9-10

In this course, students will analyze personal physical, emotional, social and intellectual growth for a healthy lifestyle. An emphasis will be placed on lifespan wellness by managing stress through relaxation, physical activity and sleep. Additional topics will include human growth development, mental health management, personal hygiene and preparing for emergency medical situations. This course may serve as the Health credit.

404 **FOOD SCIENCE**

Credit: .50 (semester course)

Grade: 10-12

Develop practical problem solving that influence cultural and social factors that affect the body weight and healthy lifestyles. Demonstrate safe food-handling practices related to food-borne pathogens and kitchen environments.

405 **GLOBAL FOODS**

Credit: .50 (semester course)

Grade: 11-12

Prerequisite: Food Science

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes.

406 **PERSONAL FINANCIAL MANAGEMENT**

Credit: .50 (semester course)

Grade: 11-12

Course helps students evaluate resources, financial institutions and services that meet individual, family and business goals, protect financial health including credit and debit, prevent loss of assets, and advocate public policy issues that impact financial well-being. This course meets the Ohio Financial Literacy Graduation requirement.

407 **INTERIOR DESIGN, FURNISHINGS, & MANAGEMENT**

Credit: .50 (semester course)

Grade: 10-12

In this Family and Consumer Sciences career field course, students will examine design principles used in residential interiors. An emphasis will be placed on incorporating anthropometrics, ergonomics and psychological responses. Additional topics will include the selection and organization of furnishings, floors and wall coverings in living spaces, kitchens and baths.

408 **CHILD DEVELOPMENT**

Credit: .50 (semester course)

Grade: 11-12

Provide students with knowledge of how parents and child care providers meet the needs of infants and young children to provide for healthy growth and development. Prominent theories of child psychology will be studied.

FOREIGN LANGUAGE

510-A **SPANISH I**

511-B **Credit: .50 each semester**

Grades: 9-11

Prerequisite: C or better in Language Arts 8

This course is a basic introduction to the Spanish language. Emphasis is placed on all four skills: speaking, writing, reading, and listening comprehension. Students will learn the basic grammatical concepts and structures necessary to form simple sentences. Cultural information is provided in the readings, dialogues, and lecture.

520-A **SPANISH II**
521-B **Credit: .50 each semester**
 Grades: 10-12

Prerequisite: Passing grade in Spanish I

This course is an in-depth continuation of Spanish I. Students will review basic grammatical concepts and proceed to study more complex structures. Students will learn how to conjugate irregular verbs as well as learn complex verb forms to assist in the writing of Spanish. In the area of reading, the student will be exposed to longer selections. Cultural awareness will be enhanced through various activities, including films and group projects.

530-A **SPANISH III**
531-B **Credit: .50 each semester**
 Grades: 11-12

Prerequisite: C or better in Spanish II

This is a more individualized approach to the advanced study of Spanish. Students will work with a number of various materials, including but not limited to Spanish literature, Spanish Art, and Spanish Culture. Reading and writing will be emphasized, and speaking abilities will be expanded. Emphasis is placed on the student's ability to converse in Spanish on a daily basis.

540-A **SPANISH IV**
541-B **Credit: .50 each semester**
 Grades: 12

Prerequisite: C or better in Spanish III

The student will be on an intense schedule of literature, geography, and history of the Spanish-speaking world. In addition, the student will work on advanced composition and conversation.

MATHEMATICS

615-A **ALGEBRA I**
616-B **Credit: .50 each semester**
 Grade: 9-12

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The units in this course deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will also engage in methods for analyzing, solving, and using quadratic functions.

625-A **GEOMETRY**
626-B **Credit: .50 each semester**
 Grades: 10-12

The fundamental purpose of the course is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

630-A **ALGEBRA II / TRIGONOMETRY**
631-B **Credit: .50 each semester**
 Grades: 11-12

Prerequisite: D average in Algebra I and Geometry, or consent of instructor

This class is for junior and senior students who are college bound. Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. It is expected that all students will have access to a graphics calculator.

635-A **MATHEMATICAL MODELING IN STEM**
636-B **Credit: .50 each semester**
 Grade: 12

In this course, problem based learning of mathematical modeling of real life processes and situations are emphasized. Students will use mathematics and statistics to analyze and describe processes and situations in mathematical models to be used in predications and decision making. Analytical models involving variables and their functional relationships will be developed, often using technology such as graphing calculators and computers to gather data, create representations, analyze data and explore relationships between variables. Students will gain a deeper understanding of mathematical modeling and functions while improving and expanding their problem solving practices.

640-A **PRECALCULUS**
641-B **Credit: .50 each semester**
 Grades: 12

Prerequisite: B average through 3 years of Math and consent of instructor

This class is for the serious college-bound student. Many higher mathematical topics will be explored. A graphics calculator is required.

PHYSICAL EDUCATION AND HEALTH

700 HEALTH

Credit: .50 (one semester only)

Grade: 9-12 (who did not receive a passing grade in the 8th grade)

This course is designed to awaken awareness in each student of the holistic nature of health and the lifelong importance of monitoring, maintaining, and improving their state of wellness. Instructional time is spent relating how the wellness of our body system is impacted by the intake of tobacco, alcohol, and diseases, human sexuality, and basic first aid.

701 PHYSICAL EDUCATION

Credit: .25 (one semester only)

Grade: 9

This course will develop skills in a variety of activities that can be useful for personal enjoyment and continue on as lifetime leisure activities. This course will also develop students' physical fitness and efficient use of the body in all activities. The goals of this course include learning the skills and rules of various sports, games and activities, as well as the development of lifelong fitness habits such as aerobics and fitness walking. Article analysis and computer-generated assignments covering major areas of fitness and athletics are also implemented. Each activity is geared toward developing valuable lifestyle habits both during school and post-graduation. Appropriate dress is required.

715 PE HEALTH & FITNESS

Credit: .25 (one semester only)

Grade: 10-12

Prerequisite: Successful completion of PE 9

This course is designed for students interested in a serious pursuit of weight training and fitness. Students will also investigate various areas of anatomy and kinesiology through article and computer analysis of bone and muscle movements. Appropriate athletic attire is required.

SCIENCE

815-A PHYSICAL SCIENCE

816-B Credit: .50 each semester

Grade: 9

Physical science introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy and motion. A unified understanding of phenomena in physical, living, Earth and space systems is the culmination of all previously learned concepts related to chemistry, physics, and Earth and space science, along with historical perspective and mathematical reasoning.

810-A **BIOLOGY I**
811-B **Credit: .50 each semester**
 Grade: 10-12

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

830-A **ADVANCED BIOLOGY**
831-B **Credit: .50 each semester**
 Grade: 11-12

Prerequisite: Passing grade in Biology I

Advanced Biology, for one semester, will concentrate on the diversity and adaptations of various organisms. Students will be responsible for conducting laboratory experiments involving the different kingdoms and phyla. Emphasis in this class will be placed on concepts such as classifying, problem solving, and laboratory work. The second semester will primarily focus on the study of human anatomy and physiology. Participation in various animal dissections will be required.

835-A **ANATOMY**
836-B **Credit: .50 each semester**
 Grades: 11-12

Prerequisite: B or higher in Biology, Advanced Biology or consent of instructor

Anatomy is a course designed for students desiring to know more about human structure and function. Biology and Advanced Biology or a recommendation from the teacher is a prerequisite for the course. Anatomy would benefit anyone planning to enter a medical profession.

840-A **CHEMISTRY**
841-B **Credit: .50 each semester**
 Grade: 11-12

Prerequisite: C or higher in Biology, Algebra I and Geometry

This course introduces students to key concepts and theories that provide a foundation for further study in other sciences as well as advanced science disciplines. Chemistry comprises a systematic study of the *predictive* physical interactions of matter and subsequent events that occur in the natural world. The study of matter through the exploration of classification, its structure and its interactions is how this course is organized. Investigations are used to understand and explain the behavior of matter in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. An understanding of leading theories and how they have informed current knowledge prepares students with higher order cognitive capabilities of evaluation, prediction and application.

850-A **ASTRONOMY**
851-B **Credit: .50 each semester**
 Grades: 11-12

In astronomy, we will explore the wonders of the universe. Areas of study will range from the nearby planets and moons of our solar system to distant stars and galaxies. We will research and plan potential space missions as we explore the past, present and future of our entire universe.

860-A **PHYSICS**

861-B **Credit: .50 each semester**

Grade: 12

Prerequisite: C or better in Algebra I, II and Geometry

This course allows students to learn about the physical laws of the universe using inquiry-based investigations. Students will design and carry out experiments that test the relationships between variables to create mathematical formulas that will be used in class. Students will study topics such as velocity and acceleration, projectile motion, gravitational and magnetic fields, and more. Physics is a highly math-oriented course.

SOCIAL STUDIES

910-A **AMERICAN HISTORY**

911-B **Credit: .50 each semester**

Grade: 9

This course represents a general survey of history of the United States. Attention is given to the following themes:

First Semester (910-A)- Historical Thinking and Skills, Historic Documents (*Declaration of Independence, Northwest ordinance, Articles of Confederation, Constitution, Enlightenment Ideas, Federalist and Anti-Federalist Papers and the Bill of Rights*), **Industrialization and Progressivism** (1877-1920), and **Foreign Affairs from Imperialism to Post-World War I** (1898-1930).

Second Semester (910-B)- Prosperity, Depression and the New Deal (1919-1941), **From Isolation to World War** (1930-1945), **The Cold War** (1945-1991), **Social Transformations in the United States** (1945-1994) and the **United States and the Post-Cold War World** (1991-present).

912-A **AMERICAN GOVERNMENT**

913-B **Credit: .50 each semester**

Grade: 10-12

This course is a study of the purposes, structures, functions, and processes of political systems at the local, state, and national, levels. Exploring why people create systems of government as structures of power and authority to provide order, maintain stability and promote the general welfare, and the role of citizens in that process. Emphasis in this course is placed on the United States Constitution and its application to United States citizens.

920 **WORLD CIVILIZATIONS**

Credit: .50 (only 1 semester)

Grade: 11-12

Students will study the emergence of the major civilizations of the ancient world, beginning with Mesopotamia and finishing with the end of the Middle Ages in fifteenth century A.D. Students will pay special attention to how societies evolved across this expanse of time from fragmented and primitive agricultural communities to more advanced and consolidated civilizations. Students will develop an understanding of important overarching social, political, religious, and economic themes in the ancient

world. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

921 EOnline (Economics and Financial Literacy)

Credit: .50 (only 1 semester)

Grade: 11-12

The study of Economics and Financial Literacy is a one-semester course dealing with the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security.

1st Nine Weeks: Economics Decision Making and Skills, Fundamentals of Economics, government and the Economy, Global Economy and Working and Earning

2nd Nine Weeks: Financial Responsibility and Money Management, Saving and Investing, Credit and Debt and Risk Management

930 POPULAR CULTURE

Credit: .50 (only 1 semester)

Grades: 9-12

Popular Culture is a one-semester course studying the basic theories of, approaches to, and topics within popular culture. Students will explore several selected topics (music, television and movies) within American popular culture to better understand its effect on society.

950-A HISTORY THROUGH THE MEDIA

951-B Credit: .50 each semester

Grade: 12

Prerequisite: Consent of instructor

This elective course is modeled after a college course and serves as a capstone in which students apply all of the knowledge and skills that they have learned during the previous grades. Selected multimedia will serve as the text and students will analyze, problem-solve, and compare/contrast social studies objectives including history, government, economics, citizenship rights and responsibilities, people in societies, and use of social studies skills.