

AMBOY HIGH SCHOOL
COURSE DESCRIPTIONS

2019-2020

TABLE OF CONTENTS

AGRICULTURE.....	3
BUSINESS/COMPUTERS.....	7
ENGLISH.....	11
FOREIGN LANGUAGE.....	15
MATH.....	16
SCIENCE.....	19
SOCIAL STUDIES.....	21
PHYSICAL EDUCATION.....	26
MISCELLANEOUS.....	26
SPECIAL EDUCATION.....	31

REVISED 2/25/2019

Please note: fees associated with some courses are subject to change prior to beginning of school year.

AGRICULTURE DEPARTMENT

FFA Dues Fee: \$15.00 (A one time yearly fee)

COURSE TITLE: Agribusiness Operations

SEMESTER

DESCRIPTION: This course is designed to develop student knowledge and skills in agricultural sales and marketing, focusing on their individual and team sales ability, as well as international and USA marketing concepts. Through hands-on activities students will create many marketing projects, including but not limited to advertisements, videos, displays, and oral communications. Topics of this course include commodity marketing, agricultural economics, developing a marketing plan, pricing, advertising, selling products and services, applying commodity trading techniques, basic economic principles, the international agribusiness economy, and agricultural career opportunities. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration and reinforcement of academic concepts. Dual credit available through SVCC.

PREREQUISITE: Intro to Ag

LEVEL: 11th -12th grade

ADDITIONAL CLASS SUPPLY FEE: \$10.00

COURSE TITLE: Ag Salesmanship

SEMESTER

DESCRIPTION: This course provides an introduction to the basic principles underlying the sales process in agricultural farm supply and practical application and development of sales techniques. Basic to the course is an understanding of the salesperson's obligation to self, his or her company, and his or her customer. Each student will have to give a 15 minute presentation relating to sales in agriculture. Dual credit available through SVCC.

PREREQUISITE: Intro to Ag

LEVEL: 11th -12th grade

ADDITIONAL CLASS SUPPLY FEE: \$10.00

COURSE TITLE: Ag Construction

offered 2019-2020

SEMESTER

DESCRIPTION: This course is a study in the safe and proper use of power woodworking tools and equipment. The student will learn about forestry, lumber and wood processing, building materials and procedures to design, prepare for, and construct projects with guided shop experiences stressing proper tool selection and use, construction technique and safety. Specific construction power tools that the student may use but is not limited to the following: portable electric drill, drill press, jig saw, scroll saw, band saw, miter saw, table saw, radial arm saw, portable electric saw, surface planer, jointer, air nailer, brad nailer and a variety of sanding equipment. Techniques to properly glue and clamp wood for project use will also be covered. Paints, stains and other finishes will be used as needed to complete the projects to they have professional appearance when completed. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and

reinforcement of academic concepts.

PREREQUISITE: Intro to Ag

LEVEL: 10th -12th grade

ADDITIONAL CLASS SUPPLY FEE: \$10.00

COURSE TITLE: B.S.A.A. (Animal Science) *offered 2020-2021*

SEMESTER

DESCRIPTION: This course is designed to reinforce and extend students understanding of science by associating scientific principles, concepts and relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts, and developments of animals- anatomy and physiology, reproduction and insemination, ethology, nutrition, health and disease, animal behavior, and animal husbandry.. The course will be valuable preparations for further education and will increase the relevance of science through the applied computer and workplace skills will be a focus. Participation in FFA students organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development's, career exploration and reinforcement of academic concepts.

PREREQUISITE: 1 year of Biology or teacher consent

LEVEL: 10th -12th grade

COURSE TITLE: B.S.A.A. (Plant & Soil Science) *offered 2020-2021*

SEMESTER

DESCRIPTION: Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. Topics of study in the area of plant growth – germination, plant sensory mechanisms, enzyme action, absorption, and managing plant growth – photosynthesis, respiration, translocation, metabolism, and growth regulation. Topics of study in the area of soils- study of soils, the types and classes of soils, land uses in accordance with different soil types and the economics of how and why we use our soils. This course continues with the study of agronomic crops where the Intro to Agriculture class leaves off. Corn, soybeans, small grains, and forages are studied in the areas of history, scope and systems of production, cultural practices for planting, care and harvesting, controlling insects, diseases, and weeds. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

PREREQUISITE: 1 year of Biology or teacher consent

LEVEL: 10th -12th grade

COURSE TITLE: Ag Mechanics & Technology

YEAR

DESCRIPTION: This course will concentrate on expanding the student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry and already introduced in Basic Agricultural Mechanics problem areas. Units of instruction should provide applications within the following integrated systems: Machinery and Equipment; Environmental/Natural Resources; Structures; Energy; and Industrial/Marketing. Examples of units included are: Design, Construction, Fabrication, and Maintenance; Welding; Electricity/Electronics; Internal Combustion Engine; Hydraulics; Environmental/Natural Resources Management; and Employment Skills. Microcomputer applications are utilized as they relate to each instructional unit. Because FFA and Supervised Agricultural Experience Programs are integral components of this course, students are required to participate in

activities of the FFA organization. Dual credit available through SVCC.

PREREQUISITE: Intro to Ag

LEVEL: 11th -12th grade

ADDITIONAL CLASS SUPPLY FEE: \$45.00

COURSE TITLE: Ag Science

offered 2020-2021

SEMESTER

DESCRIPTION: This second year orientation course builds on basic skills and knowledge gained from the introductory course. Major units of instruction include advanced plant and soil science, advanced animal science and agricultural mechanics skills necessary for maintaining and repairing equipment and/or facilities. Applied math/science skills are stressed throughout the course. Microcomputer applications are utilized as they relate to each instructional unit. Students are also briefed on basic employability, transitional skills, and work ethic.

PREREQUISITE: Intro to Ag

LEVEL: 10th-12th grade

ADDITIONAL CLASS SUPPLY FEE: \$5.00

COURSE TITLE: Intro to Ag Industry

YEAR

DESCRIPTION: This orientation course provides an opportunity for students to learn the fundamentals of the agriculture industry. Students will learn how agriculture is more than farming, and can expect to learn industry facts; parliamentary procedure; speech skills; animal, plant and food science; basic mechanics skills; business and record keeping skills; and FFA. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. Because FFA and Supervised Agricultural Experience Programs (SAE) are integral components of this course, students are required to participate in activities of the FFA organization.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE TITLE: Supervised Ag Experience

SEMESTER

DESCRIPTION: Students receiving vocational credit in this area must be enrolled in an approved agricultural program sequence. Individual students will have a minimum of one approved project or acceptable plans for doing so. Supervised study, project record book work, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the supervised occupational experience as well as basic employability, transition skills, and work ethic. All SAE work is done outside the regular school day.

PREREQUISITE: Intro to Ag & Be a FFA member in good standing

LEVEL: 10th -12th grade

COURSE TITLE: Veterinary Science I*offered 2019-2020***SEMESTER**

DESCRIPTION: This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal nutrition and reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

PREREQUISITE: Biology & Intro to Ag

LEVEL: 10th-12th grade

ADDITIONAL CLASS SUPPLY FEE: \$10.00

COURSE TITLE: Veterinary Science II*offered 2020-2021***SEMESTER**

DESCRIPTION: This course will build upon the knowledge and skills learned in Veterinary Science I. Potential topics covered include animal anatomy and physiology, medical terminology, reproduction, animal health and prevention, and careers in the field. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

PREREQUISITE: Veterinary Science I, Biology & Intro to Ag

LEVEL: 11th-12th grade

ADDITIONAL CLASS SUPPLY FEE: \$12.00

COURSE TITLE: Welding I**SEMESTER**

DESCRIPTION: This course gives students a basic background in welding skills. It deals with oxygen-acetylene welding and cutting and AC-DC electric arc welding and cutting. Safety activities related to the welding industry will be stressed throughout the course. When the student has passed the course he/she will be able to weld well enough to easily meet his/her home or farm welding needs. Career exploration and job skills required to become a certified welder will also be covered. Each student must do a series of 25 welds or cuts with a 70% competency. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

PREREQUISITE: Intro to Ag

LEVEL: 10th-12th grade

ADDITIONAL CLASS SUPPLY FEE: Consumable welding materials \$25.00

COURSE TITLE: Welding II**SEMESTER**

DESCRIPTION: This course will build upon the knowledge and skills learned in welding I. Potential

topics covered include Torchmate cutting and CAD, job shadowing, MIG welding, TIG welding, and advanced SMAW welding. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

PREREQUISITE: Intro to Ag, Welding I, Teacher approval

LEVEL: 10th-12th grade

ADDITIONAL CLASS SUPPLY FEE: Consumable welding materials \$30.00

COURSE TITLE: Horticulture

YEAR

DESCRIPTION: This course concentrates on two important areas in horticulture. Major units of study include growing greenhouse crops, producing nursery crops, designing floral arrangements, and operating a garden center. Agribusiness units will be introduced in merchandising, advertising and displaying horticulture products, as well as selling horticulture products and services. Leadership skill development is an integral part of this program and is delivered through the vocational student organization (FFA) activities. Individualized instruction learning reinforcement is provided through Supervised Agricultural Experience Programs (SAE) maintained by each student. Dual credit available through SVCC.

PREREQUISITE: Intro to Ag

LEVEL: 10th-12th grade

COURSE FEE: \$25.00

COURSE TITLE: Floral Design

SEMESTER

DESCRIPTION: This exciting course explores the world of floral design. Creative minds can work with fresh, dried and artificial materials. Students will demonstrate their creative side through the design of floral projects that they take home. Students learn the basics of managing a business through a variety of activities. Emphasis will be placed on employability skills needed to prepare students for a career as a floral designer. A portfolio will be created including floral projects and special activities that occur in this class.

PREREQUISITE: None

LEVEL: 9th-12th grade

COURSE FEE: \$25.00

BUSINESS/COMPUTER DEPARTMENT

COURSE TITLE: Accounting I (Part 1)

SEMESTER

DESCRIPTION: This semester course is to develop an understanding of how a business operates on a day-to-day basis. There will be a focus on accounting as a profession, financial reports, financial analysis, the accounting process, and compliance with laws and regulations. Aside from direct instruction, basic accounting fundamentals will be taught and assessed through an accounting simulation. This simulation allows the student to become the "accountant" of a fictitious service

business organized as a sole proprietorship. They will interpret transactions and then record and post the transactions. At the end of the cycle, they will create the financial statements for the business. College bound students considering a major in any business field should take this class.

PREREQUISITE: None

LEVEL: 10th -12th grade

LAB FEE: \$15.00 (one workbook and two simulations)

COURSE TITLE: Accounting I (Part 2)

SEMESTER

DESCRIPTION: This course is designed to help students to develop greater knowledge of the accounting principals and how various businesses operate on a day-to-day basis. There will be a focus on accounting as a profession, financial reports, financial analysis, inventory costs, profit and compliance with laws and regulations. Aside from direct instruction, basic accounting fundamentals will be taught and assessed through an accounting simulation. This simulation allows the student to become the “accountant” of a fictitious merchandising business organized as a partnership. They will interpret transactions and then record and post the transactions. At the end of the cycle, they will create the financial statements for the business. College bound students considering a major in any business field should take this class.

PREREQUISITE: Accounting I (Part 1)

LEVEL: 10th -12th grade

LAB FEE: \$15.00 (one workbook and simulation)

COURSE TITLE: Accounting II

YEAR

DESCRIPTION: This course is designed to help students to develop greater knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations. Students may become familiar with such specialized fields as cost accounting, tax accounting, payroll accounting, payroll clerk and data processing computer applications.

PREREQUISITE: Accounting I (Part 1 & 2)

LEVEL: 11th -12th grade

LAB FEE: \$15.00 (one workbook and simulation)

COURSE TITLE: Resource Management

SEMESTER

DESCRIPTION: A semester course with the purpose of enhancing student knowledge of everyday consumer skills. Students will study economics, taxes, budgets, banking, credit, financing college, investments and buying a car/home. Students will engage in projects designed to introduce them to real world problems and events, such as paying bills and maintaining a budget. This course meets the state requirement for consumer education.

PREREQUISITE: None

LEVEL: 10th -12th grade

COURSE TITLE: Business Co-op / Work Co-op 2.5 credits=1/class & 2/work

YEAR

DESCRIPTION: Students interested in the co-op program will learn the soft skills employers require of their new employees. The course will teach responsibility, integrity, taking initiative being self-monitoring. Students will focus creating a resume and cover letter for the job classification they are interested in and learn interviewing techniques. Students will be encouraged to apply for prospective

jobs that can be part of the Co-op work experience.

Business Co-op Class is required to be taken first semester along with Work Co-op. Class size is limited to 20.

PREREQUISITE: Completed application, 3 teacher recommendations, and an interview. Students will be accepted into the program based on application, recommendations, interview and attendance.

LEVEL: 12th grade

COURSE TITLE: Business Law

SEMESTER

DESCRIPTION: This course is designed to introduce the student to the study of law through a look at what is ethical, criminal law, societal problems, the legal system in the United States, and the functions of the federal and state court systems. Additional topics include computer law, financial crimes, legal careers, contracts and business organization. This course will help students become aware of their rights and responsibilities under the laws so they can function as responsible citizens in their personal and professional lives. At the completion of the semester, and time permitting, a mock trial will be conducted by the class.

PREREQUISITE: None

LEVEL: 10th -12th grade

COURSE TITLE: 21 Century Ready(required 9th grade)

SEMESTER

DESCRIPTION: This is a semester long class designed to help students prepare for high school and beyond. The class is divided into two portions. During the first 9 weeks students discover careers that meet their skills, interests, values, and personalities. Emphasis will be placed on career exploration, teamwork, job acquisition skills, resumes, interviewing, and job shadowing. The second portion of the class focuses on skills to aid students in high school and beyond, including but not limited to: note taking, correspondence, and communication skills. This class is required for graduation.

PREREQUISITE: None

LEVEL: 9th grade

COURSE TITLE: Computer Concepts (required 9th grade)

SEMESTER

DESCRIPTION: A required one-semester orientation course designed to improve student's computer skills. Through practical exercises students are introduced to real-world applications using both Google Apps and Microsoft office. Students will create documents, spreadsheets and presentations using both applications and make comparisons between the programs while learning to transfer their skills from one to the other. Students will use Google tools such as: Photos, Maps, Sketch Up, GMail, Hangouts, and Sites. Students will also work with Microsoft Publisher to allow them to use their creative side to produce real-world projects.

PREREQUISITE: None

LEVEL: 9th grade

COURSE TITLE: Digital Photography

SEMESTER

DESCRIPTION: A semester course designed to acquaint students with a computer's capability to produce graphics. Four areas of instruction will be emphasized: How cameras work, how composition works, how lighting works, and how to use photo editing tools. Students will spend a great deal of time working in Photoshop learning how to use the basic tools to edit, enhance, and fix images. Students will, generally, receive basic instruction, demonstration, and see samples of desired

outcomes, at the beginning of each project. Students will be allowed to go outside and shoot assignments, based on what they are learning. Some projects will require the student to complete work during after school events.

PREREQUISITE: Computer Concepts

LEVEL: 10th -12th grade

CLASS FEE: \$10.00

COURSE TITLE: Entrepreneurship

SEMESTER

DESCRIPTION: A focus on the primary topics related to the general principles of business management and its daily operations. Students will learn the skills necessary to succeed as an entrepreneur. The fundamentals of starting and operating a business, developing a business plan, obtaining financing, marketing a product or service and developing an effective accounting system.

Students will understand what skills are needed for management success through use of the decision-making process, leadership skills, and analysis of financial information.

PREREQUISITE: None

LEVEL: 10th -12th grade

COURSE TITLE: Investing for Your Future

SEMESTER

DESCRIPTION: Students will participate in the Stock Market Game Program, an integrating and exciting Internet simulation on trading stocks. This class is designed to spark student interest in the stock market, help make future investment decisions, and look at the risk involved. This course will allow the student to see managing their finances through the eyes of an adult. Subjects learned throughout the course are: money management, the power of investing, retirement, insurance, investing in a home or car, determining financial outcomes, and financial analysis.

PREREQUISITE: None

LEVEL: 10th -12th grade

LAB FEE: \$10

COURSE TITLE: Sports Marketing

SEMESTER

DESCRIPTION: This class will look at marketing techniques with an emphasis in the sporting world. We will look at college sports, professional sports, and amateur sports. We will discuss topics such as promotions, royalties, public relations, fans, endorsements, agents, managers, and franchising. Software will be used titled Virtual Business – Sports in which the student becomes the owner of a football franchise and is in charge of selecting the players, location of the franchise, ticket prices, promotions, and licensing in an effort to complete an entire season with profit.

PREREQUISITE: None

LEVEL: 10th -12th grade

COURSE TITLE: TechHELP! 101

YEAR

DESCRIPTION: The TechHELP! 101 course is a hands-on class designed to support teaching and learning in a 1:1 Chromebook environment. Students will be required to assist with technology problems both (hardware and software) for students and teachers and will offer multiple solutions to technology-related problems. TechHELP! 101 students will be responsible, work independently, and demonstrate leadership. They will serve as role models to their peers.

PREREQUISITE: Application and Interview with tech coach and coordinator

LEVEL: 9th -12th grade

COURSE TITLE: Yearbook

YEAR

DESCRIPTION: This yearlong course is designed to provide students with the journalism skills and the ability to apply those skills to the actual production of the yearbook. Units of study include teamwork, responsibility, brainstorming, content, coverage, writing, photography, design, yearbook campaign, advertising and distribution. Actual work results in the publication of the Amboyan yearbook

PREREQUISITE: None

LEVEL: 9th -12th grade

ENGLISH DEPARTMENT

COURSE TITLE: English I

YEAR

DESCRIPTION: English I will strive to improve students' ability to read, write, listen and speak. Students will study five genres of literature in this survey-style course: short story, poetry, novel, nonfiction and drama. They will develop and increase research skills. Grammar and usage skills will be revisited through integration into daily lessons and/or units to help correct composition errors. Writing skills covering narrative, research, comparison/contrast and book reviews will be included. Students will become acquainted with Shakespeare and the theatre by studying *Romeo and Juliet*.

Level: 9th grade

COURSE TITLE: Self-Paced English I:

YEAR

The curriculum is the same as English I, but students will be allowed to work at their own pace meeting the self-paced guidelines. There will not be direct instruction of material. Students must specifically request the course with teacher consent. Once course material has been finished to proficiency, students will be allowed to progress to Self-paced English II.

PREREQUISITE: None

GRADE LEVEL: 9th grade

COURSE TITLE: English II

YEAR

DESCRIPTION: This course is an integrated one in which literature is the focus. Students will study a variety of literary works: novels, plays, non-fiction, poetry, and short stories. Within the study of literature, students will learn to write various modes of discourse. This will include writing analytical, reflective, informational and research-based essays. The study of grammatical conventions, vocabulary development and speaking are also an integral part of this course. Two book reviews per quarter will be required, and we will cover certain pieces of literature such as: Lee's *To Kill a Mockingbird*, Rand's *Anthem*, Shakespeare's *Taming of the Shrew*, Hawthorne's *The Scarlet Letter*, Orwell's *Animal Farm*, and Sophocles' *Antigone*.

PREREQUISITE: None

LEVEL: 10th grade

COURSE TITLE: Self-Paced English II:

YEAR

The curriculum is the same as English II, but students will be allowed to work at their own pace meeting the self-paced guidelines. There will not be direct instruction of material. Students must specifically request the course with teacher consent. Once course material has been finished to proficiency, students will be allowed to progress to Self-paced English III.

PREREQUISITE: None

GRADE LEVEL: 10th grade

COURSE TITLE: Honors English II

YEAR

DESCRIPTION: This course will be an accelerated version of the regular English II curriculum (see above description). We will be focusing on literature and study a variety of fiction, as well as nonfiction works. Students will be expected to come to class having read materials before hand as there will be an emphasis on discussion and writing during class time. Students will be reading: Lee's *To Kill a Mockingbird*, Rand's *Anthem*, Shakespeare's *Taming of the Shrew*, Hawthorne's *The Scarlet Letter*, Orwell's *Animal Farm*, and Sophocles' *Oedipus* and *Antigone*, as well as supplemental fiction and nonfiction works. Students will have the option of transferring to the regular English II class at semester if they feel they cannot keep up with the rigorous course work.

PREREQUISITE: Teacher Recommendation

LEVEL: 10th grade

COURSE TITLE: English III

YEAR

DESCRIPTION: DESCRIPTION: This course will further develop the general goals of all English Courses: to improve the students's ability to write, listen, read, and speak. Non-fiction works, poetry, short stories, drama, and novels will be used in this examination of American Literature. Our focus will be on literature's intent as response to and reflection American history.

PREREQUISITE: None

LEVEL: 11th grade

COURSE TITLE: Self-Paced English III:

YEAR

The curriculum is the same as English III, but students will be allowed to work at their own pace meeting the self-paced guidelines. There will not be direct instruction of material. Students must specifically request the course with teacher consent. Once course material has been finished to proficiency, students will be allowed to progress to Self-paced English IV.

PREREQUISITE: None

GRADE LEVEL: 11th grade

COURSE TITLE: Honors English III

YEAR

DESCRIPTION: This course will be an accelerated version of the regular English III curriculum (see above course description). Students will expand upon the material by reading supplemental fiction and nonfiction works, as well as doing more analytical writings and participating in in-depth discussions about the material. Students will have the option at the end of the first semester to transfer to the regular English III class if they can not keep up with the more rigorous curriculum.

PREREQUISITE: Teacher Recommendation

LEVEL: 11th grade

COURSE TITLE: English IV **YEAR**

DESCRIPTION: This course will further develop the general goals of all English courses: to improve the student's ability to write, listen, read, and speak. Students will study grammar, usage, and vocabulary at continuing levels of mastery. They will practice a variety of types of literary criticism and write a **research paper with an emphasis on the MLA documentation style. Two classroom novels will be read, as well as independent reading.

**Completion of the research paper is a requirement for credit for this course.

PREREQUISITE: None

LEVEL: 12th grade

COURSE TITLE: Self-Paced English IV: **YEAR**

The curriculum is the same as English IV, but students will be allowed to work at their own pace meeting the self-paced guidelines. There will not be direct instruction of material. Students must specifically request the course with teacher consent.

PREREQUISITE: None

GRADE LEVEL: 12th grade

COURSE TITLE: AP English IV **YEAR**

DESCRIPTION: The purpose of this course is to simulate a college level English course.

Students will read a variety of works including novels, poetry, rhetoric and short stories representing the major periods of literary history. This course will be both reading and writing intensive. A minimum of 6 major works will be read throughout the year, and a literarily based research paper will be required.

PREREQUISITE: Successful completion of English III

LEVEL: 12th grade

COURSE TITLE: Communications **SEMESTER**

DESCRIPTION: This course provides students with a variety of speech communication experiences, with an emphasis placed on the preparation, organization, composition, and delivery of the oral presentation. Students study interpersonal communication, verbal and non-verbal communication, and listening skills. Students also study what it means to be a digital citizen and how that affects them in the "real world." Students present a number of speeches throughout the course, including an expository presentation, a research-based persuasive speech, and a research-based Public Service Announcement campaign based on a need for social change.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE TITLE: Reading Essentials *Offered 2019-2020* **SEMESTER**

DESCRIPTION: The purpose of this course is intended to help students improve their reading skills.

Diagnostic testing is used to determine student strengths and weaknesses. Word attack, vocabulary development, comprehension strategies, instruction in fluency, and study skills are emphasized in this class. Course placement based on test scores and /or teacher recommendation.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE TITLE: Chillers and Thrillers

SEMESTER

DESCRIPTION: This class will focus on novels, novellas, short stories, and films. Students will read works by Edgar Allan Poe and Stephen King, as well as others in the genre. A film study and research project will end the semester.

PREREQUISITE: Successful completion of English I and English II

LEVEL: 11th and 12th grade

COURSE TITLE: Creative Writing

SEMESTER

DESCRIPTION: Creative Writing is a semester elective designed to expand the students' minds and imaginations through the writing of stories, poetry and journals. Students will develop elements of their own writing through guided activities and reading short stories in class. Later in the semester, the process of writing will involve peer editing and good times.

PREREQUISITE: Successful completion of English I

LEVEL: 10th -12th grade

COURSE TITLE: Creative Writing II

SEMESTER

DESCRIPTION: This class is designed to be a continuation of Creative Writing 1. Longer writing projects will carry over from previous creations, including new character development and exploration into different writing styles. We will investigate amateur and professional publishing opportunities and writing contests.

PREREQUISITE: Creative Writing

LEVEL: 10th-12th grade

COURSE TITLE: Drama

SEMESTER

DESCRIPTION: Drama is a performance-based class designed to give students an introduction to theatre with an emphasis on acting. Students will learn to interact with other performers, improvisation, nonverbal communication, body language, role playing, and recognizing and developing dramatic conflicts. Students will also focus on vocal interpretation and voice control, interpretive actions, how to block a scene using stage terminology, and finally read and analyze plays. In small and large groups, students will perform small plays. The final project will be to choose and/or compose an original play and perform on stage with lines memorized and prop usage.

PREREQUISITE: Successful completion of English I

LEVEL: 10th -12th grade

COURSE TITLE: Film as Literature

SEMESTER

DESCRIPTION: The purpose of this class is to apply skills normally associated with the reading of literature to the medium of film. Students will be required to create a minimum of 2 projects and write

several analytical essays. We will examine a variety of films from several eras and genres.

PREREQUISITE: Successful completion of English I and English II

LEVEL: 11th - 12th grade

COURSE TITLE: Mythology

SEMESTER

DESCRIPTION: Students will read and discuss a variety of literary works pertaining to Greek mythology and also watch related films. Discussions will include reference to a variety of material in addition to the readings and films themselves. Students will survey ancient Greek stories about heroes, gods and the universe and illustrate the influence of these myths on the arts, literature and culture of the modern world. Throughout the semester, we will take a look at contemporary views of Greek mythological stories. This will include watching a few short videos and movies. It may also include analyzing some poetry (for its content).

PREREQUISITE: Completion of English I

LEVEL: 10th -12th grade

COURSE TITLE: Shakespeare

SEMESTER

Description: Students will read a variety of Shakespearian texts including both drama and poetry. Students will also view both direct and modernized versions of plays. We will focus on translation of works and modern social significance.

PREREQUISITE: Successful completion of English I and English II

LEVEL: 11th -12th grade

COURSE TITLE: Short Story

offered 2019-2020

SEMESTER

DESCRIPTION: Many American authors will be read and discussions will be led by students. Discussion and instruction will center on varying styles, themes, and types of short stories. One short story will be produced by each student in the class. The various genres will be covered from horror to mystery, classic to modern, and more.

PREREQUISITE: Successful completion of English I

LEVEL: 10th -12th grade

FOREIGN LANGUAGE DEPARTMENT

COURSE TITLE: Spanish I

YEAR

DESCRIPTION: Introduction to the basic grammatical concepts, (nouns, pronouns, verbs, adjectives, adverbs). Development of oral communication and listening comprehension skills are stressed. Students will focus on verbs and vocabulary as well as sentence and question construction. Cultural topics will also be discussed.

PREREQUISITE: Recommended "C" average or higher in English/Language Arts classes 6-9 grades.

COURSE TITLE: Spanish II

YEAR

DESCRIPTION: Continued work on grammatical concepts with emphasis on different verb tenses. Vocabulary will be expanded. Continued development of oral comprehension, speaking skills, and

written work are stressed. Cultural topics will be expanded upon.
PREREQUISITE: Recommended "C" average or higher in Spanish I.

COURSE TITLE: Spanish III **YEAR**

DESCRIPTION: Continued work on grammatical concepts, oral comprehension, speaking skills, and written work. Students will expand vocabulary and verb tenses. Students will begin to speak mostly Spanish in class. Cultural topics will be expanded upon. Literature will be introduced and cultural topics will be expanded upon.

PREREQUISITE: Recommended "C" average or higher in Spanish II.

COURSE TITLE: Spanish IV **YEAR**

DESCRIPTION: Continued work and improvement towards fluency with grammatical concepts, oral comprehension, speaking skills, and written work. Students will be required to speak Spanish during class. Besides basic skill acquisition, students will begin reading popular literature, poetry, and plays.

PREREQUISITE: Recommended "C" average or higher in Spanish III.

MATH DEPARTMENT

COURSE TITLE: Integrated Math 1 **YEAR**

DESCRIPTION: This is the first class in the math sequence where students will understand and interpret linear and exponential functions and describe their relationship to arithmetic and geometric sequences. We will also solving linear equations and inequalities and systems of linear equations and inequalities in the context of real-world applications. Students will also use rigid motion transformations to prove congruence of figures. Then they will use their understanding of transformations on figures to develop an understanding of transformations of linear and exponential functions in various representations (graph, table, equation, situation, verbal description, etc.)

PREREQUISITE: None

GRADE LEVEL: 9th-10th grade

COURSE TITLE: Self-Paced Math 1: **YEAR**

The curriculum is the same as Math 1, but students will be allowed to work at their own pace meeting the self-paced guidelines. There will not be direct instruction of material. Students must specifically request the course with teacher consent. Once course material has been finished to proficiency, students will be allowed to progress to Self-paced Math 2.

PREREQUISITE: None

GRADE LEVEL: 9th grade

COURSE TITLE: Integrated Math 1A **YEAR**

DESCRIPTION: This class will meet twice daily and will cover the same information as Math 1.

PREREQUISITE: Teacher Recommendation or Administrative Placement

GRADE LEVEL: 9th-10th grade

COURSE TITLE: Integrated Math 2

YEAR

DESCRIPTION: This class follows Integrated Math 1. Students will work on understanding and interpreting quadratic functions and describing their relationship to real-world situations. They will also be using dilations to prove similarity of figures and develop a precise definition of similarity. Then they will use their understanding of transformations on figures to develop an understanding of transformations of quadratic functions in various representations (graph, table, equation, situation, verbal description, etc.)

PREREQUISITE: Integrated Math 1

GRADE LEVEL: 9th-11th grade

COURSE TITLE: Self-Paced Math 2:

YEAR

The curriculum is the same as Math 2, but students will be allowed to work at their own pace meeting the self-paced guidelines. There will not be direct instruction of material. Students must specifically request the course with teacher consent. Once course material has been finished to proficiency, students will be allowed to progress to Self-paced Math 3.

PREREQUISITE: None

GRADE LEVEL: 9th-10th grade

COURSE TITLE: Integrated Math 2A

YEAR

DESCRIPTION: Covers the same material as Math 2, but will include more individualized attention to the subject matter.

PREREQUISITE: Teacher Recommendation or Administrative Placement

GRADE LEVEL: 9th-10th grade

COURSE TITLE: Integrated Math 3

YEAR

DESCRIPTION: Students will see polynomials as a system and not just a set of expressions to classify and manipulate and see rational functions as an extension of polynomials. Reviews on linear, exponential and quadratic functions are reemphasized with polynomial, rational, and trigonometric functions. Students will look at the role of randomization in statistical design and processes. Students see mathematics as a tool to model real-world situations. They write algebraic expressions, create functions, create geometric models and understand statistical relationships. Students understand the effects of parameter changes and apply them to create rules for modeling functions in context.

PREREQUISITE: Integrated Math 2

GRADE LEVEL: 10th-12th grade

COURSE TITLE: Self-Paced Math 3:

YEAR

The curriculum is the same as Math 3, but students will be allowed to work at their own pace meeting the self-paced guidelines. There will not be direct instruction of material. Students must specifically

request the course with teacher consent. Once course material has been finished to proficiency, students will be allowed to progress to Self-paced Pre-Calc.

PREREQUISITE: None

GRADE LEVEL: 10th-11th grade

COURSE TITLE: Practical Math 3A

YEAR

DESCRIPTION: This course is not part of the regular math sequence, but does fulfill the required third year of math for students NOT planning on earning a four-year college degree. The class will focus on applying math to real world situations that students will encounter after graduation.

Topics will include, but are not limited to: reading and using a ruler, handling cash transactions, using fractions, budgeting for vacations or home remodeling projects, and much more. Concepts from the Integrated series will also be reviewed and addressed.

PREREQUISITE: Teacher Recommendation or Administrative Placement

GRADE LEVEL: 11th-12th grade

COURSE TITLE: Statistics

YEAR

DESCRIPTION: Probability and Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

PREREQUISITE: Math 3

GRADE LEVEL: 11th-12th grade

COURSE TITLE: Pre-Calculus

YEAR

DESCRIPTION: Pre-Calculus is offered to students who are interested in careers in engineering, business, and the sciences. Topics covered by this course are: limits, differentiation, integration, infinite series, conic sections, vectors, and differential equations. Numerous applications to each subject covered are used to tie in calculus with real life situations.

PREREQUISITES: Math 1, Math 2, Math 3

LEVEL: 11th -12th grade

COURSE TITLE: Transitional Math QL

YEAR

DESCRIPTION: This course is designed for high school seniors who have met their math graduation requirements but may not place into college credit bearing math coursework. Successful completion of this course with a C or higher will place students into an entry level college credit bearing course in the pathway of study. (This course will not place the student into college algebra.) This project-based course will apply student's knowledge and skills in numeracy, algebra, statistics, functions and modeling to everyday life and application to work. Students will be expected to interpret their results, justify their answers, communicate their results, assess the reasonableness of their results, collaborate with others, and apply technology to analyze, generate, visualize, and estimate data.

PREREQUISITE: Must have 3 math credits

GRADE LEVEL: 12th grade

COURSE TITLE: Calculus

YEAR

DESCRIPTION: Calculus is offered to students who have previously taken Pre-Calculus and are interested in careers in engineering, advanced business, and the sciences. Topics covered by this course are the same as those covered in Pre-Calculus. Topics will be covered more in depth with an increased awareness of applications.

PREREQUISITE: Pre-Calculus

LEVEL: 12th grade

SCIENCE DEPARTMENT

COURSE TITLE: Biology I

YEAR

DESCRIPTION: In this course the learning process involves a mastery of fundamental biological concepts. The student will be introduced to cell structure and function, genetics, basic biological themes and processes. Relationships will be developed by examining the six kingdoms through examination of specimens and dissection. The student will develop an awareness of the interrelationships of the living organisms and their environmental adaptations. This course is highly recommended for any college bound student. Some dissection is required.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE TITLE: Biology II

offered 2019-2020

SEMESTER

DESCRIPTION: This course is designed to build upon the fundamental concepts learned in Biology I. The six kingdoms, interrelationships and their effects with emphasis on zoology and botany will be examined in greater detail. Human biology, genetics and DNA will also be applied.

PREREQUISITE: Biology I

LEVEL: 10th -12th grade

COURSE TITLE: Forensic Genetics

offered 2019-2020

SEMESTER

DESCRIPTION: This introductory course applies scientific technique to the real world. Students will focus on the importance of observation, experimentation and critical thinking. With the use of physical and life science techniques, students will analyze evidence of simulated crime scenes. DNA and basic genetic principles will be emphasized.

PREREQUISITES: A Life Science or Physical Science class

LEVEL: 10th -12th grade

COURSE TITLE: Physical Science

YEAR

DESCRIPTION: This course will encompass all the General Science Standards of Scientific Inquiry, and Technological Design. This course will also meet the Physical Science Standards. These standards include: Matter and Energy, Force and Motion; Earth's Structure, Earth's Dynamic Process, atmosphere, and water; and Astronomy. This course, or Preparatory Physical Science, is required.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE TITLE: Anatomy & Physiology

YEAR

DESCRIPTION: This course uses basic biological concepts gained in Biology I with particular emphasis on human anatomy and physiology, This course is highly recommended to any college bound student preparing for a career in the medical field, nursing, hospital lab work, etc. Students will be introduced to basic chemistry relationships in connection with biological processes. Anatomy is studied from the basic cell up through the organ systems. Physiology is explained for each system so students understand how each part of the system works for the good of the whole organism.

Medical terminology, prefixes, suffixes, and medical disorders are stressed. Dissection is required.

PREREQUISITES: Biology I

LEVEL: 10th -12th grade

COURSE TITLE: Chemistry I

YEAR

DESCRIPTION: This college-preparatory course is designed to give students an excellent foundation in inorganic chemistry. This course is highly recommended for any college-bound student, for it prepares you to succeed in college chemistry [which can be used as a "weed-out" course]. Students will be introduced to atomic models and chemical shorthand, the tools of chemistry including measurement systems, scientific notation, significant figures, etc., as well as the mole, water solutions and their properties, gases, structure of compounds, electron structure, intermolecular bonding, intermolecular forces, the interaction between heat energy and matter, rates of chemical reactions, and acids and bases. The course relies heavily on mathematical computations, so a background in algebra is required. Most computations can be performed easily on a calculator. Lab exercises prepare students to use scientific equipment and offer "hands on" learning opportunities.

PREREQUISITE: Algebra I

LEVEL: 10th -12th grade

COURSE TITLE: Adv Chemistry II

Offered 2019-2020

YEAR

DESCRIPTION: Chemistry II is a continuation of Chemistry I and introduces concepts of oxidation/reduction reactions, electrochemistry, and more information regarding acids and bases. The course will also develop the concept of chemical equilibrium. Students will also be introduced to basic organic chemistry and nuclear chemistry. Further work will be done regarding kinetics and equilibrium. Calculator with log key necessary.

PREREQUISITE: Chemistry I

LEVEL: 11th -12th grade

COURSE TITLE: STEM (Science, Technology, Engineering, Mathematics)

YEAR

DESCRIPTION: This course is designed to give our interested and motivated students a broader and firmer understanding of how scientific knowledge is acquired. Beginning with a "Student Research Handbook", we will explore and define the methodologies used in acquiring science. Students will be expected to understand the methods used for researching scientific topics. This knowledge will be accessed through books, class lectures, class discussions, and laboratory work. Work outside the classroom is expected to be performed to meet the expected goals. The lab work will be guided for

the first semester and goal oriented for the second term, which simply means the student chooses a topic for research and has to meet specific deadlines in the course of his/her work.

PREREQUISITES: One year of each of a life science and a physical science with a minimum grade of B and concurrent enrollment in Algebra II or higher math class and English III. Students not meeting those requirements will be required to provide letters of recommendation from a math teacher, a science teacher, and an English teacher to be considered for this class.

LEVEL: 11th -12th grade

COURSE FEE: \$20.00

COURSE TITLE: Physics

YEAR

DESCRIPTION: Physics is designed to present students with the basic physics concepts and principles that will form a foundation for most studies of science and technology. It is open to juniors and seniors. Since most topics involve problem solving, an understanding of the nature of mathematics and measurement is necessary. Students should have Algebra I prior to enrolling in Physics. More advanced math classes are strongly recommended. Topics covered in this class include motion, sound, and light; and electricity and magnetism.

PREREQUISITE or CONCURRENT: Algebra II

LEVEL: 11th -12th grade

COURSE TITLE: Physics II

Offered 2019-2020

YEAR

DESCRIPTION: Physics II will be a continuation of Physics I in that we will discuss Physics that has been discovered since 1900. This includes Einstein's Special Theory of Relativity, Early Quantum Theory and Models of the Atom, Quantum Mechanics of Atoms, Molecules and Solids, Nuclear Physics and Radioactivity, Elementary Particles, The Standard Model Theory and recent Developments in Discovery, High Energy Physics, Astrophysics and Cosmology, (including dark matter and dark energy).

LEVEL: 12th grade

COURSE TITLE: Zoology

SEMESTER

DESCRIPTION: Zoology is a taxonomy class that will look at the large kingdom Animals. The course will begin with students working on sponges and ending with mammals. This is a lecture-based class with many hands on activities, including dissections.

PREREQUISITE: Biology

LEVEL: 11th-12th

SOCIAL STUDIES DEPARTMENT

COURSE TITLE: Social Problems

Offered 2019-2020

SEMESTER

DESCRIPTION: This course is designed to focus students on the problems that face our society. This course will cover current social problems that affect America as well as the world. This course is student driven and requires a wide base of knowledge, critical thinking, research, and class participation. It will provide an introduction to sociology through an in-depth study of major social problems; explores the policy implications of the general sociological perspective and of sociological knowledge of

particular problems. Problems include population, drug use, science and technology, and poverty.

PREREQUISITE: None

LEVEL: 10th -12th grade

TEXTBOOK: None

****Note: This course is a combination of Social Issues and Current Events.*

COURSE TITLE: Ancient History

SEMESTER

DESCRIPTION: This course deals with the development of civilization from prehistoric times to the fall of Rome. Course emphasis is placed on the development of institutions such as government, religion, philosophy, technological change, and the arts. Also, this course will emphasize cross-culture interactions between ancient societies, resulting in a broad knowledge of how cultures interacted with one another.

PREREQUISITE: None

LEVEL: 9th -12th grade

TEXTBOOK: World History (1st Half)

COURSE TITLE: Medieval History

SEMESTER

DESCRIPTION: This course deals with the development of civilizations in modern times. Course emphasis is placed on the development of institutions such as government, religion, philosophy, technological change, and the arts. A major portion of the semester will be devoted to the ideas of the Reformation and the Renaissance and expansion into the Western world.

PREREQUISITE: None

LEVEL: 9th -12th grade

TEXTBOOK: World History (2nd Half)

*** Note: Ancient and Medieval History are a division of World History.*

COURSE TITLE: Genocide Studies

SEMESTER

DESCRIPTION: This course is designed to address the needs of the student who is interested in learning about those who were involved in the horrors of genocide. Students will dig deep into the periods of genocide and gain a better understanding of the perpetrators, victims, bystanders and "upstanders," each of whom played their part in the sad history of genocide. Genocide Studies will feature an emphasis on rigorous research, making use of primary and secondary sources. The course is intended to impress upon students the fact that during each period of genocide, there were those who risked their lives in an attempt to save others.

PREREQUISITE: None

LEVEL: 11th -12th grade

COURSE TITLE: 20th Century World History

SEMESTER

DESCRIPTION: This course begins with the 1st World War and continues through modern times. It will focus on the developments in world history during the 20th century from a non-American perspective. Emphasis will be placed on the impact of religion, government, and technological change in the modern world.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE TITLE: American History through Film SEMESTER

DESCRIPTION: Course will provide a broad overview of American history using films to examine and discuss important eras, people and events. This is not an eat popcorn and watch movies class. Each film will consist of 6 to 8 days of class work. This class work will be divided into three different areas. The first area will be the introduction. At this point we will introduce the time period and topic that the film focuses on. The second area will be the actual watching of the film with discussion. The third and final area will be the post work, which may include discussion questions, work sheets, film reviews and/or essays.

PREREQUISITE: None

LEVEL: 9th-12th grade

COURSE TITLE: Asian History SEMESTER

DESCRIPTION: This class will detail the history of Asia from its most ancient origins, through the middle ages, and up into the Imperialist era. This course will detail some of the often forgotten cultures from World History whose voice is equally important with European History. The dynasties of China and Japan, Indian civilizations, the Mongolians, and other Asian cultures will be pivotal to the discussions and presentations. The course will give students the opportunity to explore new ideas about cultures that vastly differ from those of Americans today.

PREREQUISITE: None

LEVEL: 10th -12th grade

COURSE TITLE: Conspiracy Theories in History SEMESTER

DESCRIPTION: This course is designed to explore the theories in history that have forced debates by historians all around the world. Emphasis will be placed on events that can be approached from multiple perspectives. This class will include such interesting topics as John Fitzgerald Kennedy's assassination, Adolf Hitler's alleged escape to Argentina, and many others. Debate, research projects, and classroom discussions are a major focus of the class.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE TITLE: American History I (required for Juniors) YEAR

DESCRIPTION: The emphasis of this course in American History will be on those persons, events, values, and principles that have helped shape contemporary American character and society.

PREREQUISITE: None

LEVEL: 11th grade

COURSE TITLE: AP US History YEAR

DESCRIPTION: Students will develop the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. This course will help provide the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. There will be summer course work, which must be completed prior to

the beginning of the student's junior year.

PREREQUISITE: Consent of Instructor

LEVEL: 11th grade

COURSE TITLE: AP Psychology

YEAR

DESCRIPTION: The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice

PREREQUISITE: Consent of Instructor

LEVEL: 11th-12th grade

COURSE TITLE: AP Government

SEMESTER

DESCRIPTION: This AP course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments.

PREREQUISITE: Consent of Instructor

LEVEL: 12th grade

COURSE TITLE: American History II (required for Seniors)

SEMESTER

DESCRIPTION: This course is a continuation of American History I and will focus on the 20th century. The course emphasis will be on the changing social and political character of America and America's evolving role in international affairs.

PREREQUISITE: None

LEVEL: 12th grade

COURSE TITLE: Government (required for Seniors)

SEMESTER

DESCRIPTION: This course includes the study of the state and federal government. It will emphasize the purpose and exercise of democratic government.

PREREQUISITE: None

LEVEL: 12th grade

COURSE TITLE: Illinois History

offered 2020-2021

SEMESTER

DESCRIPTION: This course will study the political, economic, and cultural development of the state. Special emphasis will be placed on local areas of the state.

PREREQUISITE: None

LEVEL: 10th -12th grade

COURSE TITLE: American Sports History

SEMESTER

This class will examine the development of sports throughout American History. It will focus on helping students gain a better understanding of the inter-relationship that sport has with social, economic, cultural and political forces that are at work in the United States as well as the world. Additionally, an examination of gender, race, ethnicity and social class will be emphasized through readings, primary sources, audio and visual materials as well as class discussion.

PREREQUISITE: None

LEVEL: 9th -10th grade

COURSE TITLE: World Geography

SEMESTER OR YEAR

DESCRIPTION: **World Geography I-1** begins with an introduction to the major themes of geography, including location, place, human environment interaction, movement, and regions, and the skills necessary to apply these themes to the world. The course concludes with a study of the Western Hemisphere, its geography, climate, politics, and culture. **World Geography I-2** continues the study of the five themes of Geography I, focusing on the geography, climate, politics, and cultures of the Eastern Hemisphere.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE TITLE: Economics

SEMESTER

DESCRIPTION: This course is an introduction to the concepts of micro and macroeconomics. This course looks at the reason for economic systems, how they function, and compares America's to that of other countries in the world.

PREREQUISITE: None

LEVEL: 10th -12th grade

COURSE TITLE: Senior Internship

SEMESTER OR YEAR

DESCRIPTION: Senior students having a specific interest in exploring a particular career in depth are placed in a workplace environment, on a non-paid basis. Students participating in this program are expected to learn about and perform many of the duties of the career being researched, and keep a detailed journal describing their experience and the knowledge they have gained. A portfolio of their work will also be developed. This program will be under the direction of the guidance office and participation in it is strictly limited based on the ability to find a compatible internship site. Students wishing to participate must have a 2.75 GPA and no more than ten absences in their junior year.

COURSE TITLE: Psychology I, II *Offered 2020-2021*

SEMESTER OR YEAR

DESCRIPTION: This course introduces students to the study of behavior and the mind. During the course of the class students will learn of the history of Psychology, along with its research methods. Other topics covered will be: behavior, the brain, thinking, and the effects of drugs and alcohol on the brain. Intelligence, emotions, and abnormal behavior will also be covered. Students make take either Psychology I or Psychology II or both semesters of Psychology.

PREREQUISITE: None

LEVEL: 11th -12th grade

TEXTBOOK: Psychology: Themes and Variations by Wayne Weiten

PHYSICAL EDUCATION

(4 YEARS REQUIRED)

COURSE TITLE: Physical Education

YEAR

DESCRIPTION: Physical education is a required class of all students for four years. The physical education curriculum includes a variety of team and individual sports and dance. During the first semester, conditioning, golf, and co-ed co-recreation [badminton, shuffleboard, darts, ping pong] are emphasized. The second semester units consist of co-ed square/country dancing, archery, softball, and tennis. Other activities interspersed throughout the year are speedaway, flag football, volleyball, lacrosse, handball, floor hockey, devil's triangle, horseshoes, etc.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE TITLE: Weightlifting

YEAR

DESCRIPTION: This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training and overall fitness training and conditioning.

PREREQUISITE: None

LEVEL: 9th -12th grade

MISCELLANEOUS COURSES

COURSE TITLE: Driver Education (required)

SEMESTER

DESCRIPTION: This course consists of two parts: A minimum of thirty hours of classroom instruction and six hours of behind the wheel driving instruction. The classroom phase will introduce the student to the necessary mental skills and concepts of safe driving. The behind the wheel phase will introduce the student to the physical skills for safe driving. The student must be at least 15 years of age by September 1st, of their sophomore year and must have a social security number. Students may not miss more than 5 days of instruction or will be dropped from the class. This class is also open to freshmen that are 15 years of age as of February 1 of the second semester.

PREREQUISITE: Student must pass a minimum of 8 classes during the previous two semesters

LEVEL: 9th -10th grade

COURSE TITLE: Health (required)

SEMESTER

DESCRIPTION: Health education is a co-educational class taught on a semester basis. It is required by the State of Illinois of all students. The major objective of the course is to teach students the value of a healthy lifestyle. Specific units of instruction include: nutrition and weight control, physical fitness and exercise, human body systems, mental health, first aid and CPR, diseases, environmental health, consumer health, drug and alcohol use and abuse, and human sexuality.

PREREQUISITE: None
LEVEL: 10th -12th grade

COURSE TITLE: Band YEAR

DESCRIPTION: Students who enjoy playing their instruments are encouraged to participate in band. Students will participate in concert, marching, and pep bands. Performances are required and include three concerts, football field shows, parades, and basketball pep bands. Students will learn music theory and notation and have the opportunity to play various types of music literature. Group lessons meet once each week. Students are given the opportunity to audition and attend contests and festivals throughout the year.

PREREQUISITE: Ability to read music
LEVEL: 9th -12th grade

COURSE TITLE: Chorus YEAR

DESCRIPTION: Students who enjoy singing are encouraged to participate in chorus. Students will learn how to read music and have the opportunity to sing various types of music literature. Performances are required and include 3 concerts. Students are given the opportunity to audition and perform at various contests and music festivals throughout the year.

PREREQUISITE: None
LEVEL: 9th -12th grade

COURSE TITLE: Music Appreciation I SEMESTER

DESCRIPTION: This class is the study of music history in the world from the 1940's - 1975. We will cover music from the following genres; Jazz, Rockabilly, Bluegrass, British Invasion, European Rock, R & B, Country, Rock and Roll, and classic rock. Artist covered will include; Elvis Presley, Johnny Cash, The Beatles, Rolling Stones, Jackson 5, and many many more.

PREREQUISITE: None
LEVEL: 9th -12th grade

COURSE TITLE: Music Appreciation II SEMESTER

DESCRIPTION: This class is the study of music history in the world from the 1975 – Present Day. We will cover music from the following genres; Jazz, Rockabilly, Bluegrass, Country, Rock and Roll, Classic Rock, British Invasion, European Rock, Metal, R & B, Hip Hop, and Rap. Artist covered will include; Lynyrd Skynyrd, Pink Floyd, Madonna, Britney Spear, George Strait, Garth Brooks, RUN DMC, and many, many more.

PREREQUISITE: None
LEVEL: 9th -12th grade

COURSE TITLE: Teacher/Office Aide SEMESTER OR YEAR

DESCRIPTION: A student may volunteer to give up his/her one period during the day to serve as an aide to one of the faculty members or office staff. This must be approved through the central office

administration. Credit may be given for this service, and student is expected to report to the area designated by his/her mentor each day. Library aides are also used on a volunteer basis.

PREREQUISITE: None

LEVEL: 12th grade

COURSE TITLE: Art 2D

SEMESTER

DESCRIPTION: Students will learn art history, art critique, and explore a variety of materials and techniques, while creating two-dimensional drawings and paintings.

PREREQUISITE: NONE

LEVEL: 9th -12th grade

COURSE FEE:

COURSE TITLE: Art 3D

SEMESTER

DESCRIPTION: Students will learn art history, art critique, and explore a variety of materials and techniques while creating three-dimensional sculptures and ceramic artworks.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE FEE:

COURSE TITLE: Digital Art

SEMESTER

DESCRIPTION: Students will experiment and explore creating artworks using digital technology.

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE FEE:

COURSE TITLE: Printmaking

SEMESTER

DESCRIPTION: Students will learn art history, art critique, and explore a variety of materials and techniques, (i.e. block printing, monoprinting, collagraph, and silkscreening).

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE FEE:

COURSE TITLE: Fiber

SEMESTER

DESCRIPTION: Students will learn art history, art critique, and explore a variety of materials and techniques, (i.e. weaving, needle felting, macramé, paper making, and fabric dying).

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE FEE:

COURSE TITLE: Advanced Art 2D

SEMESTER

DESCRIPTION: Students will explore advanced two-dimensional techniques and develop their own artistic style in creating original artwork.

PREREQUISITE: 1 semester of drawing, painting, or Art 2D

LEVEL: 10th -12th grade

COURSE FEE:

COURSE TITLE: Advanced Art 3D

SEMESTER

DESCRIPTION: Students will explore advanced three-dimensional techniques and develop their own artistic style using advanced sculpture and ceramic techniques.

PREREQUISITE: 1 semester of sculpture, ceramics, or Art 3D

LEVEL: 10 -12th grade

COURSE FEE:

COURSE TITLE: Contemporary Art

SEMESTER

DESCRIPTION: Students will learn about current trends in art, contemporary artists, and experiment with a variety of materials to create their own artwork

PREREQUISITE: None

LEVEL: 9th -12th grade

COURSE FEE:

COURSE TITLE: Sauk Valley College Dual Credit Courses

YEAR

DESCRIPTION: Any senior will be allowed to enroll at Sauk Valley College and receive credit on both their Amboy transcript and college transcript. This option is available for both semesters of their senior year and during the summer proceeding their senior year. See the handbook for full details and requirements of this option. *Two classes must be taken per semester.*

LEVEL: 12th grade

COURSE FEE:

COURSE TITLE: Whiteside Area Career Center

YEAR

Description: Students during their junior or senior year may choose to attend the career center and pursue one of many programs offered there. This option will take the place of four regular electives.

LEVEL: 11th -12th grade

COURSE FEE: Expected fee for this program is \$100.

Following is a listing of WACC Courses and Descriptions

Allied Health is a one-year program offered to junior and senior students that are interested in pursuing a career in various medical fields. Students are in the classroom two days per week and at clinical sites the other days. Students participate in two to three clinical sites throughout the school year. Clinical sites include, but are not limited to, hospitals, clinics, long-term care facilities, chiropractors, veterinary clinics, physical therapists, etc. Students can practice in different areas of the medical field, such as Maternal-Child Nursing, Geriatrics, Emergency Nursing, Radiology, Dental Medicine, Veterinary Science, and more. Allied Health is a dual credit program, therefore students wishing to enroll in Allied Health are required to pass the SVCC reading exam, or earn a 20 or higher on the reading component of the ACT, or enroll in the Sauk Reading class. Due to the internship component of this program, students must also be recommended by his or her counselor. **6 Dual Credits with SVCC: 3 credits for Medical Terminology (NRS116) and 3 credits for Diet and Nutrition (NRS132)**

Auto Service is a one- or two-year program offered to junior and senior students. First year students will be building basic

repair skills such as lubrication, brakes, engine tune up, suspension, fuel injection, computer controls, electrical systems, exhaust systems, transmissions and clutches, cooling systems, and heating and air conditioning. Second year students will learn engine rebuilding, transmission rebuilding, differential operation, engine diagnostics, and qualifying students can participate in work-based learning at various job sites in order to gain real world work experiences while going to school. Employment opportunities include quick lube, independent garages, new car and truck dealerships, auto parts counter person, agricultural mechanic, diesel mechanic, and motorcycle-snowmobile-ATV mechanic. **2 Dual Credits with Highland Community College in AUTM 138**

Building & Construction Trades is a one- or two-year program offered to junior and senior students. This course provides experiences related to the construction and maintenance of residential buildings and related fixtures. During the year, students will spend 80% of their time at a job site constructing or remodeling a residential house. The other 20% of the time students will be in the classroom. Instruction will include safety principles, framing, plumbing, wiring, roofing, installing insulation, dry wall, painting, pouring concrete, landscaping, estimating materials, blueprint reading, hanging cabinets, siding, hanging doors, heating and air conditioning, masonry, and finish work. Second year students are provided the opportunity to advance their skills in the construction trades. **6 Dual Credits with Highland Community College: 3 credits for MTEC 240 and 3 credits for MTEC 245. 3 Articulated Credits with SVCC: 3 credits for ELT 101 – Electrical Wiring**

Commercial Food Service is a one- or two-year program open to juniors and seniors. Students explore Culinary Arts, preparing food for a large number of consumers, and catering. Occupational skills taught include care and use of commercial equipment, food preparation, customer service, management, and nutrition. Students in this program will receive weekly hands-on experience in the WACC commercial kitchen and provide food services for the public. **No dual credit available.**

Computer Technology is a one-or-two year program offered to junior and senior students who want to work with the repair and networking of computers. Students entering this program will learn the essentials of repairing, maintaining, and networking of computers for both home and small business environments. The latest methods of networking and configuring operating systems will be used in the class. Second year students will continue with courses exploring Microsoft Workstation Operating Systems, Server Operating Systems, and Linux Distributions. Qualified students will acquire the skills to potentially pass the CompTIA A+, Network+, Linux+, and/or Microsoft Certified Professional Certification. **6 Articulated Credits with SVCC: 2 credits for CIS168, 2 credits for CIS 169, and 2 credits for CIS 151 9 Dual Credits for second-year students with SVCC: 6 credits for CIS 299 and 3 dual credits in CIS 250.**

Criminal Justice is a one year program designed to train students in various aspects of law enforcement, criminal justice, and the legal system. Students will receive instruction in skills needed for careers in associated fields; e.g. police officers, prosecuting and defense attorneys, probation and parole officers, crime scene investigators, correctional officers, etc. Major objectives of the program include: history of law enforcement, constitutional law, Illinois law, courts and the legal system, communication and dispatch operations, report writing and records, criminal investigations, search and seizure, community relations, patrol functions, traffic investigations, corrections, private security operations, criminology, and other related areas. Role play scenarios are used to enhance the student's learning experiences and provide an introduction to practical experiences which might be expected in the field. **6 Articulated Credits with SVCC: 3 credits for CJS 101 and 3 credits for CJS 232.**

Digital Media Arts is a one to two year program offered to juniors and seniors. The classes are for visual and creative thinkers as well as computer geeks interested in cutting edge digital and media arts. The program offers the latest trends, techniques and technologies in the ever-evolving multimedia field. The wide variety of the curriculum provides opportunities to build skills for future success in careers as an illustrator, desktop publisher, photographer, graphic artist, digital video editor, studio staging director, film maker, computer animator, sound engineer, camera operator, web designer or other positions in the exciting and growing recording, entertainment and digital media arts and communications field. Students work at their own pace and get "hands-on" experience using state-of-the-art software, cameras, lighting, special effects, sound and broadcasting equipment. All classes begin each fall and spring semester and students take two classes per semester. Students completing a selection of eight classes (the equivalent of two years at WACC), will receive a Certificate in Graphic Design from Sauk Valley Community College. Students not able to complete the certificate requirements while attending WACC are invited to enroll at Sauk Valley Community College after high school to finish

the certificate requirements if they so choose. Qualifying WACC students may earn up to 24 college credits taking the Digital Media Arts class. **27 Dual Credits with SVCC: ART 100-Media Arts, ART 103-Digital Photography, ART 105-Motion Graphics, ART 107-Digital Drawing, ART 231-Graphic Design, ART 236-Film and Video, ART 237-Image and Sound Recording, ART 238-Interactive Media Design, ART 299-Topics and Issues (3 credits per course = 27 total credits offered)**

Early Childhood Education is a one-or-two year program offered to junior and senior students. The courses include a study of growth and development; early childhood learning theories; types of early childhood programs; teaching methods and procedures; the role of the child care professional; and working with young children with special needs. This program provides preparation and a practicum for students interested in a variety of educational fields, such as; preschool teachers, teacher's aides, elementary teachers, speech/pathology teachers, and social workers. First year students will work on a weekly basis with children at our on-site laboratory called, "Kiddie Kampus Preschool." Second year students will work with a cooperating teacher at a work-base-learning site for three days a week during both semesters of the school year. This work-based learning site could be a daycare center, preschool program, elementary school, or a location specific to a students' career interest. (ie: special education, speech teacher, social worker) **6 Dual Credits with SVCC: 3 credits for ECE 110 for first year students, 3 credits for ECE 110 for second-year students. 6 Articulated Credits with SVCC: ECE 114 and ECE 115 offered alternatively over two years.**

Health Occupations-CNA is a one-year program offered to junior and senior students that are interested in pursuing a career in the medical field. Upon completion of the Illinois Department of Public Health (IDPH) requirements, the students will be eligible to take the State Certified Nursing Assistant exam at the end of the school year. The students must meet the following criteria to be successful in Health Occupations I: 1) Achieve a C or better each quarter throughout the year on the coursework, 2) Be competent at the 21 skills in the laboratory and at the clinical site, 3) Have excellent attendance throughout the school year, and 4) Pass the criminal background check. Students must have an outstanding work ethic, be self-motivated, and take initiative to be successful in Health Occupations. Students will spend 40 hours at clinical sites while at WACC. **9 Dual Credits with SVCC: 4 credits for NRS101, 1 credit for NRS 102, 4 credits for NRS103**

Pre-Engineering and Design Technology is a one or two-year program offered to junior and senior students. This program is designed to prepare a student to enter a wide variety of occupational careers by providing a foundation in mechanical engineering. Mechanical engineering is used in many different fields, such as aerospace, automotive, biomedical, industrial and naval, as well as the renewable energy industry becoming more prevalent in our area. This program will also help prepare students for a career in machining and related trades. Students will have the opportunity to explore a variety of topics during set periods of time in order to acquire several different skills. The program is divided into 8 units, including print reading, CAD (computer aided drafting), manual machines, CNC (computerized numerical control) machines, electricity, robotics, design, mechanics and competition. Second year students may select one or more of the above units on which to focus, depending upon their career choice. Learning to design and produce a unique product – from beginning to end – can be an exciting and rewarding process. **3 Dual Credits available with Highland Community college: MTEC 151**

Welding & Fabrication is a one or two year program offered to junior and senior students. Welding and metal fabrication techniques will be taught through hands-on experience. Topics include various types of welding, machine operations, welding blueprints, and metallurgy principles. The second year will provide the student with the opportunity to obtain advanced training on components of welding and metal fabrication. **2 Dual Credits with SVCC: WELD 106**

SPECIAL EDUCATION

*ENROLLMENT IN SPECIAL EDUCATION CLASSES WILL BE BASED ON INDIVIDUAL EDUCATION PLAN.

COURSE TITLE: Modified English I

DESCRIPTION: This course will strengthen the student's ability to read, write, listen, and speak properly. Writing skills of proper sentences and paragraphs will be covered along with vocabulary and spelling exercises. Reading comprehension and oral reading exercises will be given to improve the student's reading and speaking abilities. Note taking, listening, and outlining skills will be covered to assist the student in other subject areas. Short stories by classical writers and renowned poets are introduced in literature.

COURSE TITLE: Modified English II

DESCRIPTION: This course will review the essential skills from English I and will coincide with the student's individual needs. Developing the student's ability to write properly and to comprehend reading material is the main part of this class. Depending on the student's individual level, writing and reading skills will be improved upon, along with other related projects.

COURSE TITLE: Modified English III

DESCRIPTION: A junior level course to improve writing, reading, speaking, listening skills. Vocabulary skills, both oral and written, will be stressed. Study skills and functional English will be taught.

COURSE TITLE: Modified English IV

DESCRIPTION: A senior level course to improve writing, reading, speaking, and listening skills through literature selections. Vocabulary skills will continue to be stressed. Preparing various job related forms, as well as preparation for job interviews will be studied. Each senior will prepare career exploration unit and portfolio.

COURSE TITLE: Modified Reading

SEMESTER

DESCRIPTION: This course emphasizes functional reading skills. Those skills will include recall, main idea, prediction, fact/opinion, inference, newspaper reading, forms and applications and vocabulary building. During the semester, the student will be responsible for independent and group reading.

COURSE TITLE: Modified Math I

DESCRIPTION: This course will cover the basics of addition, subtraction, multiplication, and division. Fractions, percents, word problems, and money management problems, which will be related to the student's everyday life, are covered in this course.

COURSE TITLE: Modified Math II

DESCRIPTION: This course is a continuation of Math I. The course covers practical and functional math skills: budgeting, sales tax, order forms, checking accounts, map and graph reading, and home maintenance. There will be some basic algebra and geometry. The student works with a calculator a great deal of this class.

COURSE TITLE: Modified Math III

DESCRIPTION: This course is a continuation of Math II. The course continues to build on and practice skills acquired in Math I and II. Usage and accuracy, in real-life situations, and on forms is stressed as well as preparation for ACT/PSAE tests. Calculations are done by hand and also with calculators.

COURSE TITLE: Modified Physical Science

DESCRIPTION: This course will provide the student with the knowledge of basic physics and some chemistry in the student's everyday life. The physics section will cover energy, force, motion, sound, light, electricity, and magnets. Elements, atoms, compounds, chemical reactions, and acids and bases are covered in the chemistry section. There will be some lab experiments to coincide with the material being presented.

COURSE TITLE: Modified Life Science

DESCRIPTION: This course covers the basic concepts of biology. The course discusses the biosphere, the cell, plants, animals, the human body and our environment. There will be some lab experiments to coincide with the material being presented.

COURSE TITLE: Modified Geography

DESCRIPTION: This course covers physical geography and the economic, political, social, historical, and cultural aspects of each region. The student will learn how each region relates to him/her.

COURSE TITLE: Modified American History I

DESCRIPTION: This course is designed for juniors/seniors and is required before taking U.S. Government. The student will learn how the United States was formed and developed, in chronological order from its social, political and economical aspects. This course will satisfy both the State of Illinois and Amboy High School's requirement for graduation.

COURSE TITLE: Modified American History II SEMESTER

DESCRIPTION: This course is a continuation of United States History I. The focus will include the United States' involvement in World Wars and other events that have involved the United States.

COURSE TITLE: Modified Government SEMESTER

DESCRIPTION: This course is offered senior year, after taking U. S. History. The course will satisfy the State of Illinois Constitution requirement and is required for graduation. The student will learn how local, state, and the Federal government works.

COURSE TITLE: CoOp Step Work YEAR

DESCRIPTION: Amboy's Special Education Department in collaboration with the STEP Work Study Program have developed the CoOp Step Work Course. This course will help eligible students explore career or job related interests in a hands-on setting. Students will have an opportunity to learn valuable job skill training both inside and outside the classroom.

PREREQUISITE: Application, interview, good attendance from the previous year, and good credit standing toward graduation requirements.

CREDIT: .5 credit for 1 class period

LEVEL: 11th-12th

COURSE TITLE: Modified Life Skills

DESCRIPTION: A semester course, which will prepare the students to be successful in school and in today's workplace. Study skill topics will include setting goals; managing time, reading and listening efficiently, taking meaningful notes, and achieving good test scores [approx. 9 weeks]. Career exploration topics will include an interest inventory and use of the computerized vocational guidance program [approx. 3 weeks]. Additional topics will include critical and creative thinking, problem solving and decision-making skills, teamwork and human relations skills [approx. 6 weeks].

COURSE TITLE: Modified Study Skills

SEMESTER

DESCRIPTION: This course is designed to improve a student's study skills; through an emphasis on organization, personal responsibility and planning. The student planner will be used daily, along with weekly time lines, and activities to reinforce good study habits and homework completion.