



# SHENANDOAH HIGH SCHOOL

COURSE HANDBOOK

2020-21

## **GRADUATION REQUIREMENTS**

**Language Arts** - 8 credits; must be taken every year

**Math** – 6 credits; must be taken every year  
7 credits; must be taken every year (classes of 2023 & after)

**Science** –  
6 credits; must be taken every year  
7 credits; must be taken every year (classes of 2023 & after)

**Social Studies** - 6 credits, including:

*9th U.S. History (2 credits)*

*American Government (1 credit)*

**Physical Education** - must be taken every year;  
*waivers are available*

**Personal & Career Readiness** - 1 credit

A total of 50 credits are required to graduate from Shenandoah HS, with the remainder to be completed with electives.

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## ADVANCED PLACEMENT (AP) COURSES

### 3231/32 **AP BIOLOGY**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: teacher approval & successful completion of HS Biology & HS Chemistry*

*MAXIMUM ENROLLMENT: 10 per section*

This is an online course offered through Iowa Online Advanced Placement Academy (IOAPA). AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. Students are required to take the AP Biology Exam in May.

Laboratory requirement: This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Students are required to take the AP Biology exam in May.

### 3131/32 **AP CALCULUS AB**

(1 year = 2 credits)

GRADE 12 ELECTIVE

*PREREQUISITE: teacher approval & students should complete four years of secondary mathematics designed for college-bound students: courses in which they study algebra, geometry, trigonometry, analytic geometry, and elementary functions. These functions include linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise-defined functions. Before studying calculus, students must be familiar with the properties of functions, the algebra of functions, and the graphs of functions. Students must also understand the language of functions (domain and range, odd and even, periodic, symmetry, zeros, intercepts, and so on) and know the values of the trigonometric functions at the numbers 0,  $\pi/6$ ,  $\pi/4$ ,  $\pi/3$ ,  $\pi/2$ , and their multiples.*

*MAXIMUM ENROLLMENT: 10 per section*

This is an online course offered through Iowa Online Advanced Placement Academy (IOAPA). AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations.

Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Students are required to take the AP Calculus AB exam in May.

### 3226/27 **AP CHEMISTRY**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Chemistry*

*MAXIMUM ENROLLMENT: 15 per section*

This course is offered at Shenandoah High School and online through Iowa Online Advanced Placement Academy (IOAPA). Chemistry is the study of the properties and structure of matter. The AP Chemistry course covers the same content covered in two semesters of general chemistry at a college level. Successful completion of high school chemistry is a prerequisite for AP Chemistry. In AP Chemistry, students will expand their knowledge on, among other topics, the structure of atoms, chemical bonding, chemical reactions, stoichiometry, gas laws, solution chemistry, thermochemistry, nuclear chemistry, reaction kinetics, electrochemistry, equilibrium, acids and bases, and more. The course is also designed to replicate the same experience as that of college chemistry laboratory course. Students will spend time doing in-depth experiments and write college level quality lab reports. Using the history of scientific theory, science textbooks, lab investigations, and research, students will become even more scientifically literate in chemistry. Not only will students listen to lectures, but they will participate in brainstorming, cooperative learning, guided practice, inquiry, and note-taking. Students will also use some memorization, graphic organizers, research, and technology to aid their learning. The course is designed to improve the study skills that are necessary to be successful in rigorous college level courses. Students are required to take the AP Chemistry exam in May.

3867 **AP COMPUTER SCIENCE A (JAVA)** (1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: teacher approval & Algebra 1; Algebra 2 is recommended*

*MAXIMUM ENROLLMENT: 10 per section*

This is an online course offered through Iowa Online Advanced Placement Academy (IOAPA). Students will learn to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering. AP Computer Science A teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem solving and algorithm development and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. Students are required to take the AP Computer Science exam in May.

**AP COMPUTER SCIENCE PRINCIPLES** (1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: teacher approval & Algebra 1, Algebra 2 is recommended*

*MAXIMUM ENROLLMENT: 10 per section*

This is an online course offered through Iowa Online Advanced Placement Academy (IOAPA). The course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity, and how computing impacts our world. Students will develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving. Students are required to take the AP Computer Science Principles exam in May.

4045/46 **AP ENVIRONMENTAL SCIENCE** (1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Biology, Chemistry, & Algebra 1*

*MAXIMUM ENROLLMENT: 15 per section*

This course is offered at Shenandoah High School and online through Iowa Online Advanced Placement Academy (IOAPA). The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. AP Environmental Science includes a wide variety of topics, including geology, biology, environmental studies, environmental science, chemistry, and geography. It is a rigorous science course that stresses scientific principles and analysis and will include a laboratory component. The goal of APES is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students are required to take the AP Environmental Science exam in May.

3883/84 **AP LANGUAGE & COMPOSITION** (1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Advanced Language Arts & teacher approval*

*MAXIMUM ENROLLMENT: 15 per section*

This course is offered at Shenandoah High School and online through Iowa Online Advanced Placement Academy (IOAPA). The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Students are required to take the AP English Language and Composition exam in May.

**3307/3876 AP LITERATURE & COMPOSITION** (1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Advanced Language Arts & teacher approval**MAXIMUM ENROLLMENT: 15 per section*

This course is offered at Shenandoah High School and online through Iowa Online Advanced Placement Academy (IOAPA). The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the way writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Students are required to take the AP English Literature and Composition exam in May.

**3835 AP MACROECONOMICS** (1 semester = 1 credit)

GRADES 11-12 ELECTIVE

*PREREQUISITE: teacher approval & ability to read a college-level textbook and should possess basic mathematics and graphing skills**MAXIMUM ENROLLMENT: 10 per section*

This is an online course offered through Iowa Online Advanced Placement Academy (IOAPA). AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Students are required to take the AP Macroeconomics exam in May.

**3834 AP MICROECONOMICS** (1 semester = 1 credit)

GRADES 11-12 ELECTIVE

*PREREQUISITE: teacher approval & ability to read a college-level textbook and should possess basic mathematics and graphing skills**MAXIMUM ENROLLMENT: 10 per section*

This is an online course offered through Iowa Online Advanced Placement Academy (IOAPA). AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Students are required to take the AP Microeconomics exam in May.

**3414 AP PSYCHOLOGY** (1 semester = 1 credit)

GRADES 11-12 ELECTIVE

*PREREQUISITE: teacher approval & ability to read a college-level textbook and write grammatically correct, complete sentences**MAXIMUM ENROLLMENT: 10 per section*

This is an online course offered through Iowa Online Advanced Placement Academy (IOAPA). The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. Students are required to take the AP Psychology exam in May.

**3848/75 AP STATISTICS**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Algebra 2 & teacher approval**MAXIMUM ENROLLMENT: 10 per section*

This is an online course offered through Iowa Online Advanced Placement Academy (IOAPA). The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Students are required to take the AP Statistics exam in May.

**3404 AP U.S. GOVERNMENT & POLITICS** (1 semester = 1 credit)

GRADE 12 ELECTIVE

*PREREQUISITE: U.S History, teacher approval & ability to read a college-level textbook & write grammatically correct, complete sentences**MAXIMUM ENROLLMENT: 10 per section*

This is an online course offered through Iowa Online Advanced Placement Academy (IOAPA). It is modeled after the goals, topics, and outlines provided by the College Board Advance Placement Program. Using their guidelines, the instructor will set the curriculum for this class as the equivalent of a rigorous political science college class. This course will focus on issues in government and politics in the United States. The course outline contains a detailed list of topics in sequential order. Students should expect to achieve mastery to meet the standards and benchmarks. Students should enhance reading and writing skills. Students will learn the demanding pace of college classes, how to thoroughly examine materials and topics, and the amount of out-of-class time it takes to complete a college level course. No matter the score achieved on the AP exam, student should take away skills and knowledge that will prepare them to be successful college students after graduation. This course addresses the same standards as American Government, but in a more in depth and rigorous study. Students are required to take the AP Government exam in May.

**408283 AP UNITED STATES HISTORY**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: 9<sup>th</sup> American History**MAXIMUM ENROLLMENT: 15 per section*

This course is offered at Shenandoah High School and online through Iowa Online Advanced Placement Academy (IOAPA). AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. Students are required to take the AP United States History exam in May.

**AP SPANISH**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: 3–4 years of Spanish or equivalent native fluency**MAXIMUM ENROLLMENT: 10 per section*

This is an online course offered through Iowa Online Advanced Placement Academy (IOAPA). AP Spanish Language students practice perfecting their Spanish speaking, listening, reading, and writing skills. They study vocabulary, grammar, and cultural aspects of the language, and then apply what they learn in extensive written and spoken exercises. The course addresses the broad themes of Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. By the end of the course, students will have an expansive vocabulary, a solid, working knowledge of all verb forms and tenses, strong command of other language structures, and an ability to use language in many different contexts and for varied purposes. The equivalent of a college-level language course, AP Spanish Language prepares students for the AP exam and for further study of Spanish language, culture, or literature. Students are required to take the AP Spanish exam in May.

## AGRICULTURAL SCIENCE

4117 **CASE AGRICULTURE BUSINESS FOUNDATION (ABF)** (1 semester = 1 credit) GRADES 9-12 ELECTIVE

PREREQUISITE: none

MAXIMUM ENROLLMENT: 24 per section

Agricultural Business Foundations (ABF) introduces students to business management in agriculture. Mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout subsequent Curriculum for Agriculture Science Education (CASE) courses. Throughout the course are practical and engaging activities, projects, and problems to develop an improved business and employability skills. Additionally, students investigate and develop viable business plans in order to solve local problems. The business plan ideas are communicated to student peers and members of the professional community.

The ABF course includes starting a business, financial documents, risk management, and writing a business plan. The ABF course is an elective course from the CASE course menu. The course is structured for all students to experience agricultural business management practices in order to continue through a sequence of courses through high school. The knowledge and skills students develop can be used within multiple pathways of study. Participation in FFA is not required but is strongly recommended. This course qualifies for FFA membership.

4126 **EXPLORATORY AG** (1 semester = 1 credit) GRADES 8-9 ELECTIVE

PREREQUISITE: none

MAXIMUM ENROLLMENT: 20 per section

This introductory agriculture class gives you a taste of everything that agriculture has to offer. From plants to animals to the business side of things, all areas of agriculture will be introduced for a better understanding of agriculture and its importance. Units covered: Teamwork and Communication, Global Agriculture, Careers and You, Animal Science, Plant Science, Ag Mechanics, & Food Science.

3754 **FALL HORTICULTURE** (1 semester = 1 credit) GRADES 10-12 ELECTIVE

PREREQUISITE: Introduction to Agriculture, Food, & Natural Resources 1

MAXIMUM ENROLLMENT: 15 per section

This class focuses on plant science and incorporates working in the greenhouse to apply students' learning hands-on. Fall Horticulture's main project is raising 200+ poinsettias in the greenhouse to sell the community. The semester long project includes experimenting with different varieties of poinsettias and growing medium. Students also learn about horticulture careers, plant propagation, greenhouse structures, and common plant pests. Participation in FFA is not required but is strongly recommended. This course qualifies for FFA membership.

3787/88 **INTRO TO AGRICULTURE, FOOD & NATURAL RESOURCES 1** (1 year = 2 credits) GRADES 9-12 ELECTIVE

PREREQUISITE: none

MAXIMUM ENROLLMENT: 24 per section

This introductory agriculture class gives students a taste of everything that agriculture has to offer. The class begins by explaining the importance of agriculture and its industry in our state, country, and world. Students are shown the variety of areas and career opportunities involved within the agricultural field. A unit over FFA is covered explaining the history, guiding principles, and opportunities of the national organization. Students are also introduced to parliamentary procedure during this time, learning the proper ways to conduct business at meetings. The second half of the class focuses on basic animal science, covering the animal systems, common livestock breeds, and the importance of the animal industry and its many products. Also, the agriculture science class will cover a variety of life science, food science, and a basic agricultural energy unit. Participation in FFA is not required but is strongly recommended. *\*This course is the first needed in order to take other agricultural classes offered & must be taken for FFA membership.*

3789/90 **INTRO TO AGRICULTURE, FOOD & NATURAL RESOURCES 2** (1 year = 2 credits) GRADES 10-12 ELECTIVE

*PREREQUISITE: Introduction to Agriculture, Food & Natural Resources 1*

*MAXIMUM ENROLLMENT: 24 per section*

Intro to Agriculture 2's primary focus is plant science and natural resources. The first semester is spent looking into plant science in-depth and covering common crops grown in our area, as well as around the world. Second semester highlights wildlife and natural resources and their importance. Students learn about the wildlife industry, protecting it, and using it wisely. Recreational wildlife use is also covered, including fishing, hunting, and trapping. Participation in FFA is not required but is strongly recommended. This course qualifies for FFA membership.

3753 **IWCC FARM BUSINESS MANAGEMENT** (1 semester = 1.5 HS & 3.0 IWCC credits) GRADES 11-12 ELECTIVE

*PREREQUISITE: Introduction to Agriculture, Food & Natural Resources 1 & 2*

*MAXIMUM ENROLLMENT: 24 per section*

Farm Business Management examines the business and economic principles applied to decision-making and problem-solving in the management of a farm business. Students learn about cash flow, partial, enterprise, and whole farm budgeting. Additional topics include information systems for farm accounting, analysis, and control; obtaining and managing land, capital, and labor resources; and alternatives for farm business organizations. This is Iowa Western Community College's course #AGB 330. Participation in FFA is not required but is strongly recommended. This course qualifies for FFA membership.

4028 **IWCC SURVEY OF THE ANIMAL INDUSTRY** (1 semester = 1.5 HS & 3.0 IWCC credits) GRADES 11-12 ELECTIVE

*PREREQUISITE: Introduction to Agriculture, Food & Natural Resources 1*

*MAXIMUM ENROLLMENT: 24 per section*

This class goes further into depth about animal science topics covered in Introduction to Agriculture, Food, & Natural Resources 1. Students learn more about the biotechnology side of the field, including genetics, artificial insemination, and embryo transfer. Food safety and security is also covered, including meat science. This is Iowa Western Community College's course #AGS 113. Participation in FFA is not required but is strongly recommended. This course qualifies for FFA membership.

3756 **LEADERSHIP & DEVELOPMENT** (1 semester = 1 credit) GRADES 11-12 ELECTIVE

*PREREQUISITE: Introduction to Agriculture, Food & Natural Resources 1*

*MAXIMUM ENROLLMENT: 24 per section*

Leadership is for students striving to become better leaders through the development of personal and group skills. Students will look into the different personality traits, leadership styles, group dynamics, followership skills, team building, public speaking, and self-concept. The class will also complete a service project during the semester. This class is highly recommended for FFA officers, as well as any other student looking to improve their ability to lead and influence others. Participation in FFA is not required but is strongly recommended. This course qualifies for FFA membership.

3757 **SMALL ANIMAL VET CARE** (1 semester = 1 credit) GRADES 10-12 ELECTIVE

*PREREQUISITE: Introduction to Agriculture, Food & Natural Resources 1*

*MAXIMUM ENROLLMENT: 24 per section*

Small Animal Vet focuses on the pet industry. Topics covered include the U.S. pet industry, careers with small animals, animal rights and welfare, and animal safety. Students then learn more about the breeds, care, feeding, diseases, and reproduction of common pet species, such as dogs, cats, rabbits, and many more. Participation in FFA is not required but is strongly recommended. This course qualifies for FFA membership.



3755 **SPRING HORTICULTURE** (1 semester = 1 credit) GRADES 10-12 ELECTIVE  
*PREREQUISITE: Introduction to Agriculture, Food & Natural Resources 1*  
*MAXIMUM ENROLLMENT: 15 per section*  
 This class focuses on plant science and incorporates working in the greenhouse to apply students' learning hands-on. Spring Horticulture's main project is starting 50+ varieties of annual flower and vegetable seeds to sell to the community. Students decide on the plants to grow, germinate them from seed, and transplant as needed until they are ready to sell. Over 100 hanging baskets are also made and cared for during this time. Other topics include horticulture careers, landscape design, floriculture, tree pruning, and plant propagation. Participation in FFA is not required but is strongly recommended. This course qualifies for FFA membership.

## **BUSINESS**

3782/83 **ACCOUNTING 1** (1 year = 2 credits) GRADES 10-12 ELECTIVE  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: 24 per section*  
 This accounting course introduces and then expands upon the fundamental accounting procedures used in small businesses. The first year covers the full accounting cycle and incorporates topics such as payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles to the projects they work on and may prepare budgets and final reports. Calculators, electronic spreadsheets or other automated tools may be used. Completion of a practice set is included.

3784/85 **ACCOUNTING 2** (1 year = 2 credits) GRADES 11-12 ELECTIVE  
*PREREQUISITE: teacher approval*  
*MAXIMUM ENROLLMENT: 12 per section*  
 This accounting course expands upon the fundamental accounting procedures used in small businesses. The advanced course includes departmentalized accounting, branch accounting, several advanced accounting adjustments, cost accounting, corporate financing, and accounting for business decisions. The utilization of computerized accounting is introduced and expanded. Completion of an automated practice set is included.

4074/75 **COMPUTER SCIENCE & ROBOTICS** (1 year = 2 credits) GRADES 9-12 ELECTIVE  
*PREREQUISITE: Algebra 1*  
*MAXIMUM ENROLLMENT: 24 per section*  
 This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. The course is designed with the goal of creating leaders in computer science fields and attracting and engaging those who are traditionally underrepresented with essential computing tools and multi-disciplinary opportunities. Students will use this course to design a brand, build and program an industrial sized robot to compete in the FIRST robotics competition.

3879/82 **DESKTOP PUBLISHING** (1 year = 2 credits) GRADES 9-12 ELECTIVE  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: 12 per section*  
 This is an introductory course that provides students with a basic understanding of the field of desktop publishing software and presentation software to create business publications and presentations for our school and local community. Additional topics may include design, word processing, and the use of extra equipment. Course work will include course demonstrations, laboratory exercises, and projects that are deadline oriented.

**4071/72 INNOVATIVE MARKETING**

(1 year = 2 credits)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

The class will use a project-based approach where students focus on serving our community. Co-ops with local businesses and organizations will be utilized to provide real world experiences for the students, as well as serving our community by assisting with their interests and needs. The students will also enlist the use of multiple forms of mass media and technology to promote sports, clubs, in other attributes of our school.

**3773 INTRODUCTION TO BUSINESS**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

Students develop skills relating to general business situations. The course concentrates on units dealing with the concepts and processes associated with successful entrepreneurship. Topics also include budgeting, banking, credit, insurance, taxes, and living on your own.

**4029 IWCC BUSINESS COMPUTER APPS**

(1 semester = 1.5 HS &amp; 3.0 IWCC credits) GRADES 11-12 ELECTIVE

*RECOMMENDED PREREQUISITE: keyboarding skills**MAXIMUM ENROLLMENT: 15 per section*

Business Computer Apps is an introduction to computers course that consists of a hands-on introduction to microcomputer hardware, operating systems, and application software. Students will enter, modify, and manipulate data with word processing, spreadsheet, database, and presentation programs. Student should be familiar with the standard keyboard. This is Iowa Western Community College's course #CSC 110.

**4073 MONEY MANAGEMENT**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

A very practical course which teaches you how to create a financial plan to realize goals, such as home ownership and early retirement. By taking this course, you will learn how to avoid credit trouble, save money on automobile purchases, and buy a desirable home. You will also learn how to protect yourself from financial disaster through the purchase of the lowest cost and safest insurance policies. Using the techniques you learn in this class will allow you to plan, save, and spend wisely so you and your family will enjoy a better way of life.

## **FAMILY & CONSUMER SCIENCE**

**3706 CHILD DEVELOPMENT 1**

(1 semester = 1 credit)

GRADES 10-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

In this class, we will begin the study of principles of child growth and development from conception to adolescence. We will study the physical, intellectual, emotional, and social development of children. We will also examine the decision to parent and child guidance. You will also have the opportunity to observe and work with children outside of our classroom.

**4061 CHILD DEVELOPMENT 2**

(1 semester = 1 credit)

GRADES 10-12 ELECTIVE

*PREREQUISITE: Child Development 1**MAXIMUM ENROLLMENT: 24 per section*

This class will continue the study of child growth and development that was started in Child Development 1. In addition to stages and areas of development, special topics will be examined. You will have the opportunity to observe and work with children outside of our classroom.

- 3703     **CULINARY ARTS 1**     (1 semester = 1 credit)     GRADES 10-12 ELECTIVE  
*PREREQUISITE: Foods 1 & Foods 2*  
*MAXIMUM ENROLLMENT: 20 per section*  
 This class will learn and prepare advanced culinary techniques and categories of foods. We will also investigate the culinary arts and food service industries. This class will have the opportunity to cook and be evaluated for your efforts by others.
- 4060     **CULINARY ARTS 2**     (1 semester = 1 credit)     GRADES 10-12 ELECTIVE  
*PREREQUISITE: Foods 1, Foods 2, & Culinary Arts 1*  
*MAXIMUM ENROLLMENT: 20 per section*  
 This class will continue the study of Culinary Arts 1 into advanced culinary techniques and categories of food. In addition, students will have the opportunity to learn about food and culture around the world and prepare multicultural foods.
- 3709     **FAMILY RELATIONS**     (1 semester = 1 credit)     GRADES 9-12 ELECTIVE  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: 24 per section*  
 Family is the building block of society. This class will give you an in-depth look at families today. We will study the structure of family, the characteristics of a good family, the development of a family, and challenges they may face. You will work to develop the skills to become a positive family member and to build positive relationships for all aspects of life.
- 3701     **FOODS 1**     (1 semester = 1 credit)     GRADES 9-12 ELECTIVE  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: 20 per section*  
 This class will teach you the basics about food preparation, nutrition and the role that food plays in our lives. We will cover topics such as personal and food safety, kitchen basics, various aspects of nutrition, and much more. You will have the opportunity to practice your skills in the kitchen several times throughout the semester.
- 3702     **FOODS 2**     (1 semester = 1 credit)     GRADES 9-12 ELECTIVE  
*PREREQUISITE: Foods 1*  
*MAXIMUM ENROLLMENT: 20 per section*  
 This class will teach you to prepare different types of basic foods. We will cover units including breads, pies and pastries, cakes, cookies, and much more. We also look more into nutrition related to weight management and eating habits, as well as meal planning. You will have the opportunity to practice your skills in the kitchen several times throughout the semester.
- 3710     **HOUSING & INTERIORS**     (1 semester = 1 credit)     GRADES 9-12 ELECTIVE  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: 24 per section*  
 In this class, we will discuss housing basics and the role of housing in our lives. The topics we will cover include influences on housing choices, types of housing, the history of housing, architectural elements, floor plans and room arrangements, design, renting and owning, and more. You will have many opportunities to express your creativity in this class.
- 3705     **INDEPENDENT LIVING**     (1 semester = 1 credit)     GRADES 11-12 ELECTIVE  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: 24 per section*  
 This class will learn about knowledge and skills you need to become an independent and successful adult. You will learn about values, goals, resource management, financial skills, decisions related to consumerism, balancing roles, self-care, "adulting," and much more. Many projects and hands-on activities will be a part of this class in order to teach you how to live on your own.

## FINE ARTS

- 3638 **3-D SCULPTURE** (1 semester = 1 credit) GRADES 10-12 ELECTIVE  
*PREREQUISITE: Intro to Ceramics*  
*MAXIMUM ENROLLMENT: 14 per section*  
Using methods taught in Intro to Ceramics, students will create sculptures out of many types of media such as clay, paper mache, wire, and found objects.
- 3646 **AMERICAN MUSIC HISTORY** (1 semester = 1 credit) GRADES 9-12 ELECTIVE  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: 24 per section*  
American Music History studies the history of music in the United States and influences on that music from other countries. Units include music from folk and classical, Broadway, jazz, rock, hip-hop and R&B.
- 4088/85 **AP ART** (1 year = 2 credits) GRADE 11-12 ELECTIVE  
*PREREQUISITE: Intro to Drawing & Painting (advanced classes are recommended); Intro to Ceramics if wishing to do a 3D Design Portfolio*  
*MAXIMUM ENROLLMENT: 15 per section*  
The serious art student will be expected to develop their creative potential and personal style. Students will have the option of specializing in either: AP Studio Art-2D design, AP Studio Art-3D design, or AP Studio Art-Drawing. This course may be repeated for additional credit. Students will create a portfolio along with sketchbooks and artists statements that will be submitted to College Board as their exam at the end of the year.
- 4086/87 **AP MUSIC THEORY** (1 year = 2 credits) GRADES 11-12 ELECTIVE  
*RECOMMENDED PREREQUISITE: ability to read music*  
*MAXIMUM ENROLLMENT: 15 per section*  
Music Theory is intended to present the basic concepts of music, at a college freshman level, from notation to tonality with an emphasis on analyzing music, sight singing, and ear training. Students are required to take the AP Music Theory exam in May.
- 3639 **ART PORTFOLIO** (1 semester = 1 credit) GRADE 12 ELECTIVE  
*PREREQUISITE: all offered art classes & teacher approval*  
*MAXIMUM ENROLLMENT: none*  
Students must have taken all arts classes: Intro to Drawing & Painting, Drawing, Painting, Intro to Ceramics, & 3D Sculpture. This may only be taken as a senior and teacher must sign student into the class. This is a self-directed class to build a college portfolio. Students will have a select number of pieces to show at contest.
- 3629/30 **BAND** (1 year = 2 credits) GRADES 9-12 ELECTIVE  
*PREREQUISITE: 7/8 Band or summer lessons*  
*MAXIMUM ENROLLMENT: none*  
Courses in Band are intended to develop technique for playing brass, woodwind, and percussion instruments, marching style and to cover appropriate band literature styles for marching and concert performances.
- 3631/32 **CHOIR** (1 year = 2 credits) GRADES 9-12 ELECTIVE  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: none*  
Choir is a large choral performing group available for all high school singers, regardless of previous experience. This ensemble focuses on part-reading and singing, music terminology, large group ensemble performance technique, tone, vocal technique, and vocal health. It offers a variety of vocal music literature and represents the school in public concerts, contests, and school performances. Choir meets daily. Students can be in both instrumental and vocal music.

**4069/70 DIGITAL STREAMING**

(1 year = 2 credits)

GRADES 9-12 ELECTIVE

*PREREQUISITE: application & teacher approval**MAXIMUM ENROLLMENT: 15 per section*

This course is designed to develop students' skills in yearbook production. Students will use technology as a tool to communicate, collaborate, publish, and interact with peers, experts, and other audiences. Students will gain skills in the following areas: page design, publishing techniques, copywriting, editing, photography, time management, teamwork, marketing, and leadership skills. Students are tasked with producing a timeless, creative, and innovative publication which will record our school's community, memories, and events.

\*Students involved must be willing to attend events and games outside of the school day to take photographs.

**3637 DRAWING**

(1 semester = 1 credit)

GRADES 10-12 ELECTIVE

*PREREQUISITE: Intro to Drawing & Painting**MAXIMUM ENROLLMENT: 18 per section*

Students will study the principles of design and create works of art in a variety of media. Human and animal forms will be studied. Students will create a sketchbook and work on developing a personal style.

**3613 INDEPENDENT BAND**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*PREREQUISITE: 7/8 Band**MAXIMUM ENROLLMENT: none*

The independent band course is offered in the fall for students wishing to audition for all-state band. Students taking this course will have personal assistance from the teacher and additional time to practice.

**3614 INDIVIDUAL VOCAL TECHNIQUE/CHAMBER CHOIR**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*COREQUISITE: enrollment in Choir, teacher placement/audition**MAXIMUM ENROLLMENT: none*

During the first quarter, the students involved in Individual Vocal Techniques will be concentrating their efforts on developing vocal techniques consistent with the following: Independent a capella singing in SATB quartets, development of musicianship, and high-level thinking and performance skills. If students are auditioning for All-State, they must be in this class. Second quarter, as well as second semester, the students will continue working as a performance group (chamber choir). This auditioned choir will work on high level pieces of music.

**4026 INTRO TO CERAMICS**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 15 per section*

Students will learn four methods of building in ceramics: pinch pottery, coil pottery, slab and throwing on the potter's wheel. In addition, students will learn printmaking techniques such as mono printing, embossing, and linoleum print.

**4025 INTRO TO DRAWING & PAINTING**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 20 per section*

Students will learn the elements of design, and learn basic drawing and painting techniques through pencil, color pencil, charcoal, ink, watercolor and acrylic paints. The grid system will be taught so students can properly enlarge a photograph.

**3642 JAZZ BAND**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*COREQUISITE: enrollment in Band**MAXIMUM ENROLLMENT: none*

The Jazz Band course is intended to develop techniques for playing instruments in the jazz style. Depending on enrollment, the course may concentrate on solo performance and improvisation or be a rehearsal time for the Jazz Band.

**4109 MUSICAL THEATER**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

PREREQUISITE: none

MAXIMUM ENROLLMENT: 24 per section

The Musical Theater course provides students with the opportunity to explore and/or participate in various aspects of musical theatre, including auditioning, singing, acting, and dancing. The course reviews the history and evolution of musical theatre, its literature and artists, and styles of composition and vocal presentation. Students work collaboratively on performances, including solo, duet, and ensemble work.

**3610 PAINTING**

(1 semester = 1 credit)

GRADES 10-12 ELECTIVE

PREREQUISITE: Intro to Drawing &amp; Painting

MAXIMUM ENROLLMENT: 15 per section

Painting students expand their use of the elements and principles of design studied in Intro to Drawing and Painting. Students will explore a variety of painting media as they work with more complex ideas, and depth of issues, form and concept.

## FOREIGN LANGUAGE

Please note:

--Spanish is not required for graduation from Shenandoah High School. However, families need to be aware of the college admission and completion/graduation requirements; while 2 years often is enough for college admission, some students then would take additional language classes while in college.

--Students who speak Spanish at home may be placed in different levels at different times than other students, based upon their skill level and participation in class. They will be required to complete coursework appropriate to their own skill level.

--All students in Spanish 3 & 4 will be tested for proficiency in April. English-proficient students also demonstrating at least an Intermediate Mid-level proficiency in Spanish will be recognized with the Iowa Seal of Biliteracy upon graduation.

**3621/22 SPANISH 1**

(1 year = 2 credits)

GRADES 9-12 ELECTIVE

PREREQUISITE: none

MAXIMUM ENROLLMENT: 24 per section

This Spanish class is for beginners. Students will experience a high volume of input in Spanish, both in listening and reading formats, so each student is expected to do their part with regards to paying attention and participating actively in discussions and activities. Students work up to reading for 10 minutes in Spanish every single day, starting out with very simple, picture-supported texts. The teacher will also read at least one novel aloud to the class each year, and students will be assessed over the novel. Expect to provide short, simple answers in spoken and written format on topics relating directly to the student. These could include describing people, family, clothing, and interests/activities. The midterm and final have multiple parts to assess the three standards, and a student must complete all parts of both in order to move to the next semester or level. Target proficiency level: Novice High - communicates in lists and mostly short phrases, with some sentences on highly familiar topics. Typically uses words or phrases memorized from class. *Note: if the student does not have a strong enough base to be successful in Spanish 2, the student may be required to repeat Spanish 1 regardless of their final semester grades.*

**3623/24 SPANISH 2**

(1 year = 2 credits)

GRADES 10-12 ELECTIVE

PREREQUISITE: Spanish 1 with a C or higher

MAXIMUM ENROLLMENT: 24 per section

The goal for Spanish 2 is to strengthen the skills begun in Spanish 1. Students will continue experiencing a high volume of input in Spanish through listening and reading. Students read 10 minutes in Spanish every day, and a student may be assessed over a novel they read. Expect to provide a little longer answers in spoken and written format on topics such as food, health, and weekly activities, although topics may change based on class interest. Excellent attendance, attention, and active class and small group participation are expected. The midterm and final have multiple parts to assess each of the three standards, and a student must complete all parts of both in order to move to the next semester or level. Target proficiency level: stronger Novice High, with some Intermediate Low - is able to communicate more often with complete sentences and is able begin explaining familiar topics in depth. Recombines chunks learned in class to create new things.

**3625-28 SPANISH 3 & 4**

(1 year each = 2 credits each)

GRADES 11-12 ELECTIVE

*SPANISH 3 PREREQUISITE: Spanish 1 & 2 with a C or higher**SPANISH 4 PREREQUISITE: Spanish 1, 2, & 3 with a grade of C or higher**MAXIMUM TOTAL ENROLLMENT: 24 per section*

Spanish 3 and 4 is taught together, so content changes every other year. Students read in Spanish at least 10 minutes every single day, and instruction and materials are commonly delivered in comprehensible Spanish. Students are expected to interact in Spanish as much as possible. A wide variety of topics may be covered, and novels, movies/videos/TV series in Spanish may be used. Excellent attendance, active attention and participation in class and small-group discussions, the ability to use the imperfect language acquired without over-using translators, and the drive to use Spanish outside of the class all are necessary skills for achieving proficiency. The midterm and final have multiple parts to assess the three standards, and a student must complete all parts of both in order to advance. All students will be tested for proficiency in April, and this test serves as their final. **Target proficiency level is Intermediate Low-Mid for Spanish 3 and Intermediate Mid for Spanish 4, where students can speak in depth on numerous topics and multiple time frames (past, present, future).**

## HEALTH SCIENCE

**4027/59 INTRODUCTION TO HEALTHCARE**

(1 year = 2 credits)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

The Introduction to Healthcare class provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others. The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment. Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions. **\*\*This course is recommended prior to enrolling in a health science course at IWCC (including Medical Terminology and Certified Nurse Assistant courses).**

**4030 IWCC CERTIFIED NURSE ASSISTANT**

(1 semester = 1.5 HS &amp; 3.0 IWCC credits) GRADES 11-12 ELECTIVE

*RECOMMENDED PREREQUISITE: Introduction to Healthcare & Medical Terminology**MAXIMUM ENROLLMENT: 10 per section, preference given to seniors*

This course is designed to provide knowledge and skills to work in a nursing home, home health care agency, or group home and/or hospital. The course is held in a classroom/lab and a minimum 30 hours of clinical will be in a nursing home. You will give patient care under the supervision of your instructor. During the course, healthcare entry level skills and behaviors to see employment will be covered: communication, interaction, ethical/legal principles, safety measures, personal hygiene, and special procedures. Course requirements include out-of-pocket costs, criminal/abuse background check, immunizations, tuberculosis (TB) skin testing, and a flu vaccine. This course is intended to prepare students for the Direct Care Worker Registry written and skills exam. The exams are to obtain certification and be eligible for employment as required by State Legislation. **\*It is a recommended course and a starting point for anyone considering a healthcare career; it is typically a prerequisite for admission to nursing programs. This is Iowa Western Community College's course #HSC 172.**

4031 **IWCC CPR & FIRST AID IN THE WORKPLACE** (1 semester = .5 HS & 1.0 IWCC credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 20 per section*

CPR and First Aid in the Workplace prepares the bystander with lifesaving, hands-on instruction in many emergency situations. Emphasis centers on real life responses and what to do in the first five minutes of an emergency. This is Iowa Western Community College's course #PEH 130.

3815 **IWCC MEDICAL TERMINOLOGY**

(1 semester = 1.0 HS & 2.0 IWCC credits) GRADES 11-12 ELECTIVE

*RECOMMENDED PREREQUISITE: Introduction to Healthcare*

*MAXIMUM ENROLLMENT: 20 per section*

Medical Terminology studies terms used in medicine. This course gives students a working knowledge of the roots, prefixes and suffixes of commonly used medical terms. Emphasis centers on the correct spelling and pronunciation of the vocabulary. This is Iowa Western Community College's course #HSC 113.

## INDUSTRIAL TECHNOLOGY

4064/65 **CARPENTRY**

(1 year = 2 credits)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 15 per section*

This is the first in a sequence of courses that prepares individuals to layout, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools. Includes instruction in common systems of framing, construction materials, blueprint reading, concrete placing, siding, and mechanical systems.

3781 **CONSTRUCTION TECHNOLOGY**

(1 year = 4 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Carpentry or Wood Manufacturing*

*MAXIMUM ENROLLMENT: 8 per section or teacher approval*

The goal of this class is to provide students with a basic knowledge of carpentry and related skills used in the residential construction industry. Residential construction involves the building or remodeling of homes, apartments and similar structures. The program provides the opportunity to learn and apply themselves to all phases of the industry with an emphasis on carpentry and the related areas of HVAC, blueprint reading and mathematics. This class meets for two periods each semester.

3791/92 **DRAFTING**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 8 per section*

This is an introductory course for students in the techniques of technical drawing. This course serves as a general education purpose to help students develop their capacity to analyze, organize and accurately express them graphically. Also serves as a preparatory class for students wishing to prepare themselves for gainful employment in drafting or plan to continue their education in engineering or a technical/trade school. We will have four weeks of board drafting followed by Solid Works and Chief Architect.

4062 **ENTRY LEVEL METALS & WELDING** (1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 12 per section*

These courses introduce students to the properties, uses and applications of various metals. Welding courses provide experience in various processes used to join and cut metal (such as oxyacetylene, shielded metal arc, metal inert gas and the proper use of technique. Courses often included instruction interpreting blueprints or other types of specifications.



4066 **FURNITURE DESIGN & MANUFACTURING** (1 semester = 1 credit) GRADES 10-12 ELECTIVE  
*PREREQUISITE: Carpentry or Wood Manufacturing*  
*MAXIMUM ENROLLMENT: 15 per section*  
The second instructional course in a sequence that prepares individuals to apply technical knowledge and skills to prepare and execute furniture design projects; assemble and finish furniture articles; repair furniture; and stresses the safe use of a variety of hand and power tools and machinery. Recommended projects would be anything that would allow students to incorporate all joints and tools e.g. a chest of drawers.

4063 **INTERMEDIATE METALS & WELDING** (1 semester = 1 credit) GRADES 9-12 ELECTIVE  
*PREREQUISITE: Entry Level Metals & Welding*  
*MAXIMUM ENROLLMENT: 12 per section*  
These courses introduce students to the properties, uses and applications of various metals. Welding courses provide experience in various processes used to join and cut metal (such as oxyacetylene, shielded metal arc, metal inert gas and the proper use of technique and safety practices. Courses often included instruction interpreting blueprints or other types of specifications.

4067/68 **WOOD MANUFACTURING** (1 year = 2 credits) GRADES 10-12 ELECTIVE  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: 15 per section*  
This course is an introduction to mass production of products. Students will use scientific and mathematical applications through relevant mechanical topics to produce a variety of plastic, metal, and wood products. Areas of study in this course include the history and operational structure of industry, lean manufacturing principles, use of CNC practices, product development, precision measurement, and quality management. In addition, students will complete numerous lab-based and project-based activities. Students will develop 21st century skills to increase employability. This course is a prerequisite for a Pella internship taken as upperclassmen.

## LANGUAGE ARTS

3323 **ACADEMIC COMP & RESEARCH** (1 semester = 1 credit) GRADE 11-12 ELECTIVE  
*PREREQUISITE: Language Arts 3*  
*MAXIMUM ENROLLMENT: 24 per section*  
This composition and research course is designed primarily for students whose future plans include post-secondary college/university education. It builds upon previously learned writing skills. Reinforcing the logic and critical thinking skills that accompany good writing, this course provides continued and advanced instruction in writing for a variety of purposes and audiences. Writings may include but are not limited to argumentation, comparison-contrast, description, and personal narration. Literary research is the main focus for the research component.

4110/11 **ADVANCED LANGUAGE ARTS** (1 year = 2 credits) GRADES 10-12 ELECTIVE  
*PREREQUISITE: Language Arts 1 & teacher approval*  
*MAXIMUM ENROLLMENT: 24 per section*  
Advanced Language Arts is a course dedicated to challenging students with exploring complex literary and non-fiction text from a variety of periods, disciplines, and rhetorical contexts. Through these texts studies, students will gain an understanding of rhetorical strategies, author purposes, character, theme, tone, and style. Using these texts as models, students will write narrative, expository, analytical, and synthesis essays that explore a variety of topics. Students will also receive instruction in grammar concepts to improve overall writing. The course aims to develop critical thinking, close reading, and advanced writing skills that will prepare a student for Advanced Placement courses.

3883/84 **AP LANGUAGE & COMPOSITION** (1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Advanced Language Arts & teacher approval*

*MAXIMUM ENROLLMENT: 15 per section*

This course is offered at Shenandoah High School and online through Iowa Online Advanced Placement Academy (IOAPA). The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Students are required to take the AP English Language and Composition exam in May.

3307/3876 **AP LITERATURE & COMPOSITION** (1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Advanced Language Arts & teacher approval*

*MAXIMUM ENROLLMENT: 15 per section*

This course is offered at Shenandoah High School and online through Iowa Online Advanced Placement Academy (IOAPA). The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the way writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Students are required to take the AP English Literature and Composition exam in May.

3303 **COMMUNICATIONS**

(1 semester = 1 credit)

GRADE 10-12 ELECTIVE

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 24 per section*

Communications offers students the opportunity to learn how to employ oral skills in formal and informal situations. Students will learn the proper presentation techniques and organization of a variety of types of speeches. Students will also learn effective verbal and nonverbal communication skills in interpersonal communication situations. Additional study will be based on effective organization techniques and strategies, gathering information from a variety of sources, and evaluating and crediting sources.

3311 **CREATIVE WRITING**

(1 semester = 1 credit)

GRADES 10-12 ELECTIVE

*PREREQUISITE: Language Arts 2*

*MAXIMUM ENROLLMENT: 24 per section*

The focus of this course will be on being active members of a writing community. This course uses a writer's workshop approach to help you be more comfortable with the writing and revision processes. Your fellow classmates will become your peer editors. By the end of the course, you will have created your own digital portfolio of writing. All writing completed in this course will be narrative, or story-based, and we'll be working to improve your skills in individual areas related to narration: characterization, development of settings and themes, use of description, specific word choice, etc.

4095/96 **LANGUAGE ARTS 1**

(1 year = 2 credits)

GRADE 9 REQUIREMENT

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 24 per section*

Language Arts 1 builds upon the student's prior knowledge of grammar, vocabulary, word usage, reading strategies, and the mechanics of writing, and includes extensive reading and writing. Students study various literary genres and complete related writing and vocabulary exercises. A library unit emphasizing the access and evaluation of materials is also a part of the course.

**4097/98 LANGUAGE ARTS 2**

(1 year = 2 credits)

GRADE 10 REQUIREMENT

*PREREQUISITE: Language Arts 1**MAXIMUM ENROLLMENT: 24 per section*

Language Arts 2 builds on the student's prior knowledge of grammar, vocabulary, word usage, reading strategies, and the mechanics of writing through extensive reading and writing. Students study various literary genres and complete related writing and vocabulary work.

**4099/4100 LANGUAGE ARTS 3**

(1 year = 2 credits)

GRADE 11-12 ELECTIVE

*PREREQUISITE: Language Arts 2**MAXIMUM ENROLLMENT: 24 per section*

Language Arts 3 builds upon the student's prior knowledge of grammar, vocabulary, word usage, reading strategies, and mechanics of writing, and includes extensive reading and writing. Students study informational and literary texts and complete related writing and vocabulary exercises to examine the influence of authors and their works.

**3321 LANGUAGE ARTS DEVELOPMENT** (1 year = 2 credits)

GRADES 9-12 ASSIGNED

*PREREQUISITE: can only be taken concurrently with another Language Arts course; teacher approval required**MAXIMUM ENROLLMENT: 15 per section*

Language Arts Development is designed for the teacher to select and teach only the appropriate standards corresponding to a student's grade level and/or instructional needs in relation to other Language Arts courses in which the student is enrolled. The curriculum of the course will vary for each enrolled student, but major areas of focus will include reading comprehension and strategies, grammar usage and conventions, vocabulary acquisition, study skills and strategies, and writing skills.

**3312 NOVELS**

(1 semester = 1 credit)

GRADES 10-12 ELECTIVE

*PREREQUISITE: Language Arts 2**MAXIMUM ENROLLMENT: 24 per section*

This course emphasizes the novel as a literary form. Students will evaluate and analyze a number of literary novels through personal experience, knowledge of literary terminology, discussion, and activities. Writing, vocabulary, reading comprehension, and project-based exercises are a sampling of the activities students will engage in through their study of various works.

**3322 RESEARCH & TECHNICAL WRITING** (1 semester = 1 credit)

GRADE 11-12 ELECTIVE

*PREREQUISITE: Language Arts 3**MAXIMUM ENROLLMENT: 24 per section*

This writing course helps prepare students for writing they might encounter in the world of work, including writing based on the research process. They will learn about what types of writing constitute "technical" writing and will work to be proficient in the use of these types of writing to better prepare them for work-related tasks beyond the classroom.

**4122 SPEECH**

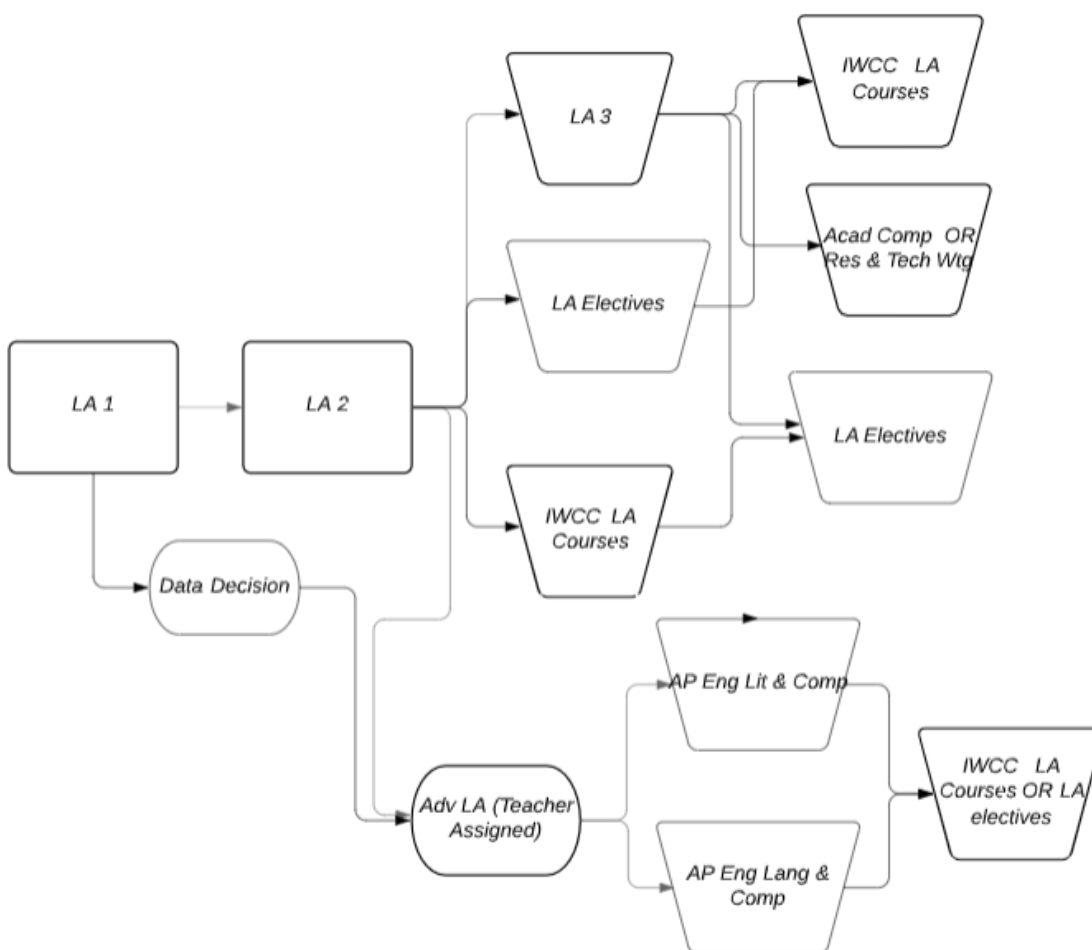
(1 semester = 1 credit)

GRADES 10-12 ELECTIVE

*PREREQUISITE: Language Arts 1**MAXIMUM ENROLLMENT: 24 per section*

Speech focuses on the application of written and oral communication skills through a variety of formal and informal experiences. This is a performance-based course and emphasizes effective interpersonal and team-building skills. The course may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices. This course will help students become effective communicators both on stage and off.

### SHS Language Arts Course Flowchart 2020



## MATHEMATICS

### 3120/21 **ALGEBRA 1**

(1 year = 2 credits)

GRADES 9-12 REQUIREMENT

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 24 per section*

This course is designed to teach fundamental concepts of Algebra in depth, preparing students for future math and/or related courses. The course includes a study of numbers, expressions, functions, and statistics.

### 3125/26 **ALGEBRA 2**

(1 year = 2 credits)

GRADES 9-12 REQUIREMENT

*PREREQUISITE: Geometry*

*MAXIMUM ENROLLMENT: 24 per section*

This course introduces many new concepts and is geared for the college bound student. An understanding of the principles of algebra and problem-solving skills is emphasized. Topics covered include polynomials, sequences, exponential functions, logarithmic functions, rational and radical functions, functions/inverses, trigonometry, and statistics.

**4118/19 BUSINESS MATH**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

In this course, students will study mathematical concepts with real world, practical applications. All the concepts covered could be utilized by the 21st century consumer throughout their adult life. After completion of many of the topics of the course, a real-world project will summarize the concepts learned regarding the recently covered topic. Topics to be explored during the course include money management including banking services, payroll, taxes and insurance, consumer purchasing, interest accumulation as it pertains to both savings and loans, and appreciation. All aspects of the course require a calculator for computation, thus students enrolling in the class are required to provide their own calculator.

**4120/21 CALCULUS**

(1 year = 2 credits)

GRADE 11-12 ELECTIVE

*PREREQUISITE: Trigonometry/Pre-Calculus**MAXIMUM ENROLLMENT: 15 per section*

This Calculus course is intended for students who have attained pre-calculus objectives through the prerequisite course Trigonometry/Pre-Calculus. In this course the student will study limits, derivatives, applications of derivatives, and integrals. The use of graphing calculators is a key component in this class. It is strongly encouraged to purchase your own graphing calculator for use in this course.

**3127/28 GEOMETRY**

(1 year = 2 credits)

GRADES 9-12 REQUIREMENT

*PREREQUISITE: Algebra 1**MAXIMUM ENROLLMENT: 24 per section*

This course will emphasize an abstract and formal approach to geometry. This will include topics such as properties of plane and solid figures; deductive methods of logic; geometry as an axiomatic system including the study of postulates, theorems, and form congruence, similarity, parallelism, and perpendicularity; and rules of angle measurement in trigonometry, coordinate geometry, and transformational geometry.

**4112/13 PRE-ALGEBRA**

(1 year = 2 credits)

GRADE 9 ASSIGNED

*PREREQUISITE: teacher assigned**MAXIMUM ENROLLMENT: 24 per section*

This course will be an introduction to basic algebra concepts and a review of key middle school topics required for success in the high school mathematics courses. Students will understand and use basic properties of the real number system, solve problems involving sign numbers, simple equations, order of operations, perimeter/circumference, area, surface area, volume, transformations, data analysis comma and probability.

**3114 STATISTICS**

(1 semester = 1 credit)

GRADES 10-12 ELECTIVE

*PREREQUISITE: Algebra 2**MAXIMUM ENROLLMENT: 24 per section*

In this course, students will be introduced to the major concepts of probability, interpretation of data, and statistical problem solving. Students will learn the course concepts through hands-on experimentation and investigation. They will analyze existing data as well as data collected through a survey, observational study or experiment. They will then display the data in different ways, analyze it, and draw conclusions based on the results. The four main components of the course are: exploring data, data collection, probability, and inference.

**4105/06 TRIGONOMETRY/PRE-CALCULUS**

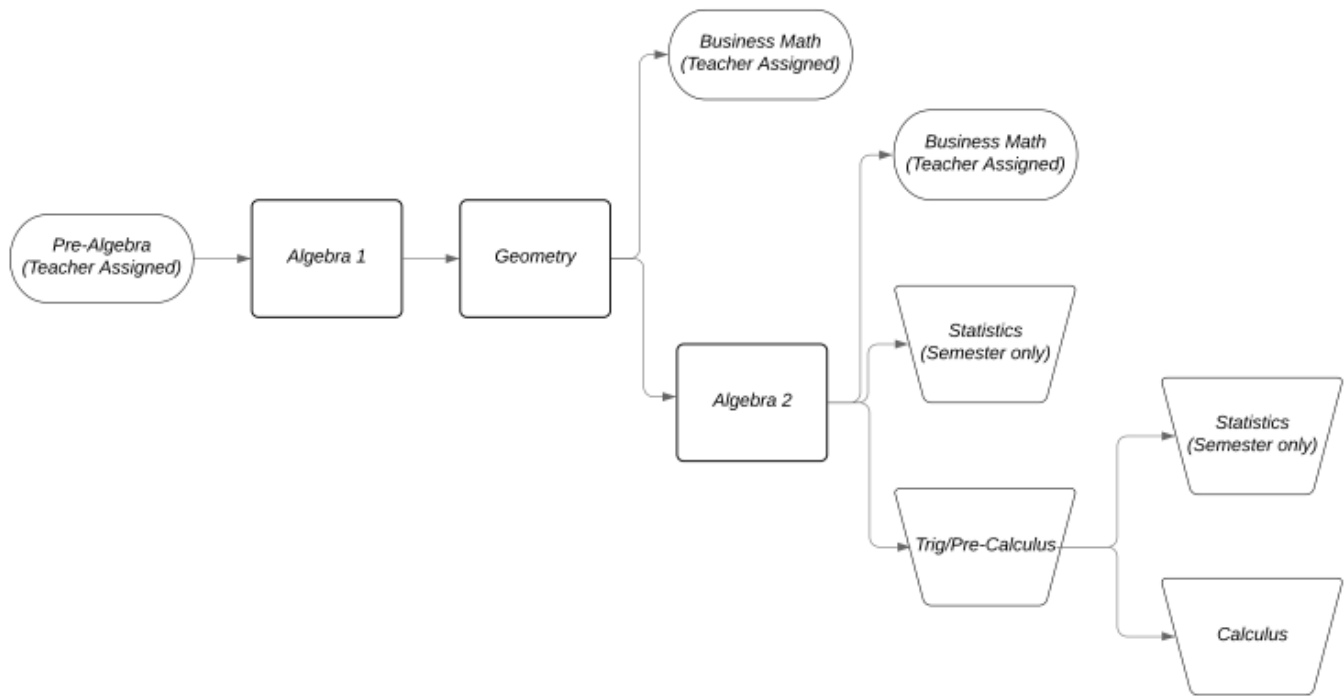
(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Algebra 2**MAXIMUM ENROLLMENT: 24 per section*

Students will review the basics of trigonometry and use these foundations to solve right triangles, use the unit circle to come more aware of the periodicity of the trig functions, graph trig functions based on scale changes and translations, develop equations of trigonometric functions from graphs, and model using trigonometric functions. Next, students will explore the pre-calculus topics of polynomial functions, rational functions, exponential functions, logarithmic functions, and matrices.

# SHS Math Course Flowchart 2020



## MENTORING

### 4056/0457 **MUSTANG MENTOR**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: no office referrals, no violation of good conduct policy, good attendance (minimal absences & tardies), teacher/staff recommendation*

*MAXIMUM ENROLLMENT: determined each semester*

This course will involve one-to-one or small group mentoring/tutoring within an elementary or 5/6<sup>th</sup> grade classroom. The high school Mustang Mentor will work with a student or students with guidance from the classroom teacher or supervisor. The focus of this class will be on assisting younger students with academic assistance behavior/emotional control and overall support. The goals of the course are to help younger students improve grades, improve learning attitudes, demonstrate better responsibility, develop self-motivation, work well with peers and staff, increase self-esteem and prepare for the next grade level. Skills needed to be successful in this class: patience, persistence, dependability, consistency, ability to communicate well, ability to role model positive learning skills and techniques. Specific expected outcomes: enhance ability to work with and relate to younger students, strengthen ability to communicate with others, learn techniques to assist and motivate younger students. Career Pathways: education, social services, human services, juvenile justice, counseling, psychology, sociology. A second route to this course will involve one-to-one mentoring within the secondary life skills special education program. The high school mentor will work with a life skills special education student with guidance from the special education teacher. The focus of this class will be on assisting a student with life skills, academic assistance, and overall support. The goal of this course is to help the mentor learn more about special education and disabilities. The special education teacher will interview students to figure out if they would fit one of the current life skills' student's needs. If the student chooses to become a mentor for a secondary life skills special education student, you are required to be with the student for the entire school year. Skills needed to be successful in this class: good attendance, patience, caring, persistence, dependability, consistency, ability to communicate well, ability to role model positive learning skills and techniques. Specific expected outcomes: strengthen ability to communicate with others, learn techniques to assist and special education students. Career Pathways: education, social services, occupational therapy, education associates.

Students may enroll in Mustang Mentoring one period per semester.

## MULTI-OCCUPATIONAL CAREERS

### 3736/37 **AUTO MECHANICS TECHNOLOGY 1** (1 year = 2 credits)

GRADES 10-12 ELECTIVE

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 10 per section*

Automotive Mechanics/Technology 1 is a course of fundamentals that covers passenger car construction, principles of operation, and basic service procedures. This is the foundation on which a sound, thorough knowledge of auto mechanics is based. Once these fundamentals are learned, know how through experience will enable the student to diagnose trouble and perform needed repairs.

### 3738/39 **AUTO MECHANICS TECHNOLOGY 2** (1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Auto Mechanics 1*

*MAXIMUM ENROLLMENT: 10 per section*

Automotive Mechanics/Technology 2 is a course that advances the knowledge gained in Automotive Mechanics/Technology 1 which covered passenger car construction, principles of operation and basic service procedures. Students will gain further knowledge through experience which will enable the student to diagnose trouble and perform needed repairs.

### 4032/33 **AUTO MECHANICS TECHNOLOGY 3** (1 year = 2 credits)

GRADES 12 ELECTIVE

*PREREQUISITE: Auto Mechanics 1 & 2*

*MAXIMUM ENROLLMENT: 10 per section*

Automotive Mechanics/Technology 3 is a course that advances the knowledge gained in Automotive Mechanics/Technology 2 which covered passenger car construction, principles of operation and basic service procedures. Students will gain further knowledge through experience which will enable the student to diagnose trouble and perform needed repairs.

**4034/35 EXPLORING TEACHING OPPORTUNITIES 1** (1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: none*

The purpose of the course is to provide students with an opportunity to explore the teaching profession through online class discussions and assignments as well as field experience in a variety of preK-12 grade classrooms. The components of the class will include the following: the role of schools and educators in communities and society at large, the process of developing an understanding of how students learn and combining that with strategies for meeting educational goals, the important role of communication, collaboration, and decision making within the teaching profession, & the use of technology in education.

**4036/37 EXPLORING TEACHING OPPORTUNITIES 2** (1 year = 2 credits)

GRADE 12 ELECTIVE

*PREREQUISITE: Exploring Teaching Opportunities 1**MAXIMUM ENROLLMENT: none*

The purpose of this course is to provide students with the opportunity to continue to explore the teaching profession through ongoing field experience with a cooperating teacher in the preK-12 Shenandoah school district. During this field experience the student will work one-on-one with a student or a small group. The student will develop activities/lessons or use one the cooperating teacher uses in the classroom. A reflective journal will be required to be kept on a daily/weekly basis about the time spent in the classroom, the things learned, and the applications for the future as a teacher.

## **PHYSICAL EDUCATION / HEALTH**

**4048/49 FITNESS**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*PREREQUISITE: active in at least one sport**MAXIMUM ENROLLMENT: 24 per section*

In fitness class we focus on strength and conditioning principles to enhance the overall fitness level of students. This class uses weight training as one of the main areas to increase strength, power, and speed. Students will learn correct lifting techniques as well as running and jumping forms. Students will have individual strength and conditioning plans created on PLT4M to help them reach their goals.

**3616/3874 HEALTH**

(1 year = 2 credits)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

Students in this course have an opportunity to develop skills related to their total wellness. Students will work on all levels of wellness: social, mental, and physical.

**3635/36 PHYSICAL EDUCATION**

(1 semester = 1 credit)

GRADES 9-12 REQUIREMENT

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

Physical Education focuses on student participation in a wide variety of team and individual activities throughout the course. The students will meet daily and participate in units lasting from two to three weeks long. Each unit will start with a unit overview including the history, origin, and rules/etiquette of the activity. A written unit exam will be given at the end of specific units to assess the student's knowledge of the unit. In addition, there will be a skills test given to assess the student's improvement throughout specific units. Physical fitness is the last area that the students will be assessed on. A physical fitness pre-test will be administered at the beginning of the course and a post-test to conclude the class. The tests will assess cardiovascular endurance, muscular strength and flexibility. They will be used to track student improvement.

The students will also be introduced to the weight program PLT4M. The students will split time between physical education units and the weight room. A student in physical education will get the opportunity to lift weights approximately two times per week.



## SCIENCE

### 3214/15 **9<sup>TH</sup> GRADE SCIENCE**

(1 year = 2 credits)

GRADES 9 REQUIREMENT

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 24 per section*

Ninth Grade Science is an integrated science course. Students will learn among other topics: Earth Materials and Systems, Human Impacts, Global Climate Change, Natural Resources, Natural Hazards, Biogeology, The History of the Universe, Plate Tectonics, The Role of Water in Earth's Processes, Forces and Motion, and Energy.

### 3224/25 **ANATOMY & PHYSIOLOGY**

(1 year = 2 credits)

GRADES 10-12 ELECTIVE

*PREREQUISITE: successful completion of Biology*

*MAXIMUM ENROLLMENT: 24 per section*

Essential principles of human anatomy and physiology are presented, including basic chemistry, cell and tissue studies, and an overview of all the body systems. First semester of a two-semester sequence deals with the structure and function of the human body and mechanisms for maintaining homeostasis within it. The class includes the study of cells, tissues, and the integumentary system. Second semester is a continuation of the study of the structure and function of the human body and the mechanisms for maintaining homeostasis within it. The skeletal, muscular, nervous, cardiovascular, and urinary systems are included. Laboratory dissection will be used to relate structures to those of humans.

### 3226/27 **AP CHEMISTRY**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Chemistry*

*MAXIMUM ENROLLMENT: 15 per section*

This course is offered at Shenandoah High School and online through Iowa Online Advanced Placement Academy (IOAPA). Chemistry is the study of the properties and structure of matter. The AP Chemistry course covers the same content covered in two semesters of general chemistry at a college level. Successful completion of high school chemistry is a prerequisite for AP Chemistry. In AP Chemistry, students will expand their knowledge on, among other topics, the structure of atoms, chemical bonding, chemical reactions, stoichiometry, gas laws, solution chemistry, thermochemistry, nuclear chemistry, reaction kinetics, electrochemistry, equilibrium, acids and bases, and more. The course is also designed to replicate the same experience as that of college chemistry laboratory course. Students will spend time doing in-depth experiments and write college level quality lab reports. Using the history of scientific theory, science textbooks, lab investigations, and research, students will become even more scientifically literate in chemistry. Not only will students listen to lectures, but they will participate in brainstorming, cooperative learning, guided practice, inquiry, and note-taking. Students will also use some memorization, graphic organizers, research, and technology to aid their learning. The course is designed to improve the study skills that are necessary to be successful in rigorous college level courses. Students are required to take the AP Chemistry exam in May.

### 4045/46 **AP ENVIRONMENTAL SCIENCE**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: Biology, Chemistry, & Algebra 1*

*MAXIMUM ENROLLMENT: 15 per section*

This course is offered at Shenandoah High School and online through Iowa Online Advanced Placement Academy (IOAPA). The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. APES includes a wide variety of topics, including geology, biology, environmental studies, environmental science, chemistry, and geography. It is a rigorous science course that stresses scientific principles and analysis and will include a laboratory component. The goal of APES is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students are required to take the AP Environmental Science exam in May.

**3207 ASTRONOMY**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

Astronomy introduces you to the composition and structure of the universe. The content includes, but is not limited to, historical astronomy, astronomical instruments, the solar system, the earth/moon system, stars, galaxies, and theories about the origin and evolution of the universe.

**3216/17 BIOLOGY**

(1 year = 2 credits)

GRADES 10 REQUIREMENT

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

Biology is a two-term course offered to mainly sophomore students. Biology focuses on the study of life by examining the next generation science standards concepts: cellular biology, genetics, ecology, and evolution. The scientific process and laboratory skills are emphasized along with biology's connections to other scientific disciplines.

**3218/19 CHEMISTRY**

(1 year = 2 credits)

GRADES 11 REQUIREMENT

*PREREQUISITE: 9<sup>th</sup> Grade Science & previous or concurrent enrollment in Algebra 1**MAXIMUM ENROLLMENT: 24 per section*

Chemistry is the study of the properties and structure of matter. Students will understand the structure of atoms, the usefulness of the periodic table, chemical bonding, chemical reactions, the mole, stoichiometry, and the gas laws. Using the history of science, science textbooks, lab investigations, and research, students will become scientifically literate in chemistry. Not only will students listen to lectures, but they will participate in brainstorming, cooperative learning, guided practice, inquiry, and note-taking. Students will also use some memorization, graphic organizers, research, and technology to aid their learning.

**4084 FORENSIC SCIENCE**

(1 semester = 1 credit)

GRADES 9-12 ELECTIVE

*PREREQUISITE: none**MAXIMUM ENROLLMENT: 24 per section*

The Forensic Science course provides an overview of the understanding and application of forensic science techniques. It is the application of science to the criminal and civil laws enforced in a criminal justice system, and includes the fields of biology, chemistry, physics, and crime science investigation. Topics typically covered may include genetics, anthropology, toxicology, entomology, ballistics, pathology, fire debris, and trace evidence such as fingerprints and blood splatter, among others. Students are taught the proper collection, preservation, and laboratory analysis of various samples.

**3222/23 PHYSICS**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: 9<sup>th</sup> Grade Science & previous or concurrent enrollment in Algebra 2**MAXIMUM ENROLLMENT: 24 per section*

Physics involves the study of the forces of nature affecting matter: equilibrium, motion, momentum, and the relationship between matter and energy. Using the history of science, science textbooks, lab investigation, and research, students will become scientifically literate in physics. Not only will students listen to lectures, but they will participate in brainstorming, cooperative learning, guided practice, inquiry, and note-taking. Students will also use some memorization, graphic organizers, research, and technology to aid their learning.

**4107/08 PRE-CHEMISTRY**

(1 year = 2 credits)

GRADES 11-12 ASSIGNED

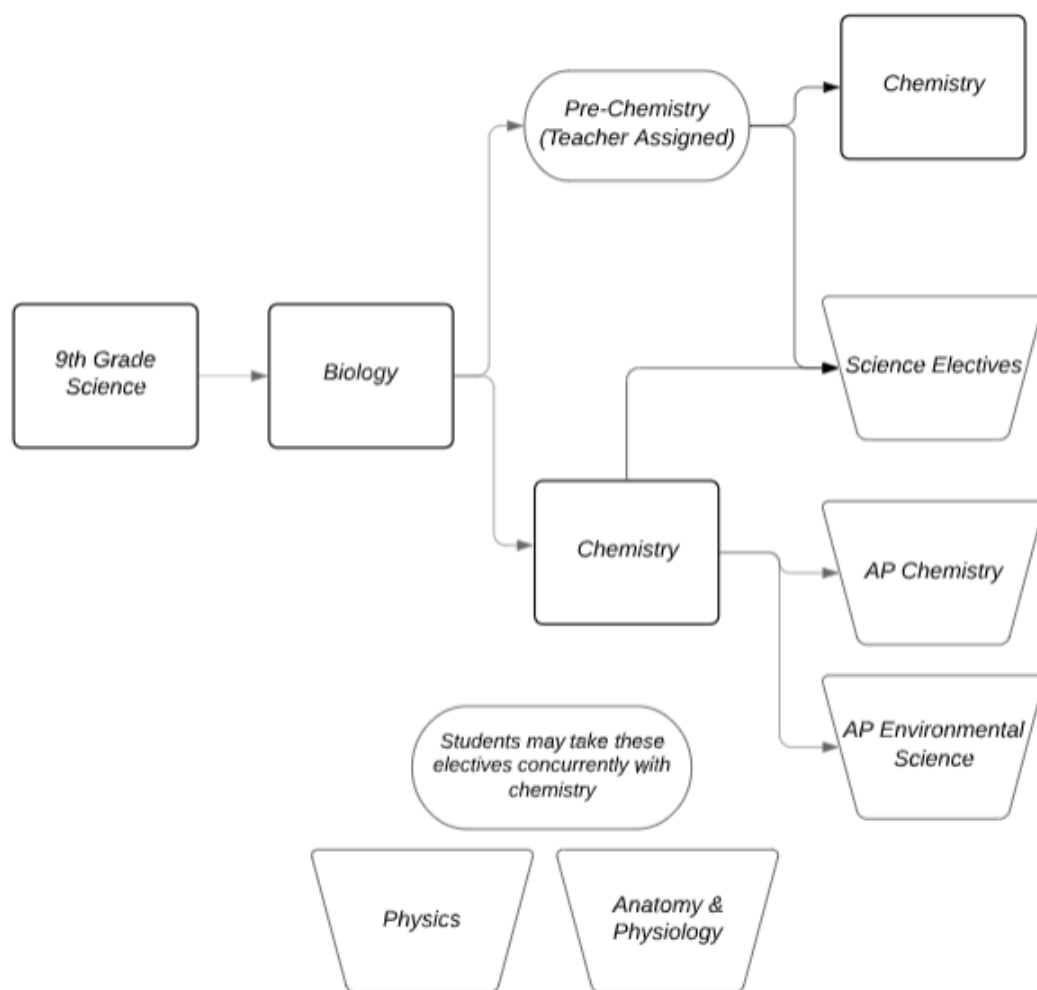
*PREREQUISITE: 9<sup>th</sup> Grade Science and Biology**MAXIMUM ENROLLMENT: 24 per section*

Chemistry is the study of the properties and structure of matter. Students will understand the basics of the structure of atoms, the usefulness of the periodic table, chemical bonding, chemical reactions, chemistry math, acids and bases, and the gas laws. This class will focus on the concepts of chemistry and basic math applications. Students will be placed in this class by teacher recommendation.

MAXIMUM ENROLLMENT: 24 per section

This course will cover the structure and function of vertebrate and invertebrate animals in the nine different phyla of the animal kingdom. Students will discover the behavioral patterns of animals in different biomes, track animal migration patterns and learn about their habitats.

### SHS Science Course Flowchart 2020



## SENIOR REQUIREMENT

PREREQUISITE: none  
 MAXIMUM ENROLLMENT: 24 per section

This required course for all seniors allows students the opportunity to build their personal portfolio and learn a wide variety of job searching, job getting, and job keeping skills. Students are exposed to a variety of information on career and training options in pursuit of career decision making. Attention to life skills is also emphasized. Skills include CPR training, renting an apartment, buying a car, obtaining insurance, and understanding financial literacy to meet the state requirements.

## SOCIAL SCIENCES

### 3415/16 **9<sup>th</sup> U.S. HISTORY**

(1 year = 2 credits)

GRADE 9 REQUIREMENT

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 24 per section*

This course will emphasize the history of the U.S. in the 20th century. Units that will be covered include Reconstruction, the Progressive Era, World War I and World War II, the Great Depression/New Deal, the Cold War, the 1960's and the Modern Times.

### 4114/15 **AMERICAN GOVERNMENT**

(1 year = 2 credits)

GRADE 12 REQUIREMENT

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 24 per section*

In the next year, students will study the history, concepts, principles, and theories of government by examining the United States as well as the history, concepts, principles, and theories of economics domestically and internationally. We will examine the meaning of government at the local, state, and national level and how government is connected to all aspects of society. Students should expect to study a variety of topics and analyze how individuals and government affect those issues so they can understand the goal of citizenship and become aware of his/her rights and responsibilities as a member of society. Current events will be essential in guiding our study of government. This class will involve small and large group discussion, individual and group projects, and lectures with notetaking.

### 408283 **AP UNITED STATES HISTORY**

(1 year = 2 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: 9<sup>th</sup> American History*

*MAXIMUM ENROLLMENT: 15 per section*

This course is offered at Shenandoah High School and online through Iowa Online Advanced Placement Academy (IOAPA). AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. Students are required to take the AP United States History exam in May.

### 3408 **CONTEMPORARY AFFAIRS**

(1 semester = 1 credit)

GRADES 10-12 ELECTIVE

*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 24 per section*

This course is designed to accommodate students with a wide variety of information in various areas of social studies and current events. Each student will be provided with a text of current national and international issues. The course will incorporate sociology, geography, government, and history. Field trips will range from going to the Henry Doorly Zoo and the Omaha Correctional Center in Omaha.

### 3431 **ECONOMICS**

(1 semester = 1 credit)

GRADE 11-12 ELECTIVE

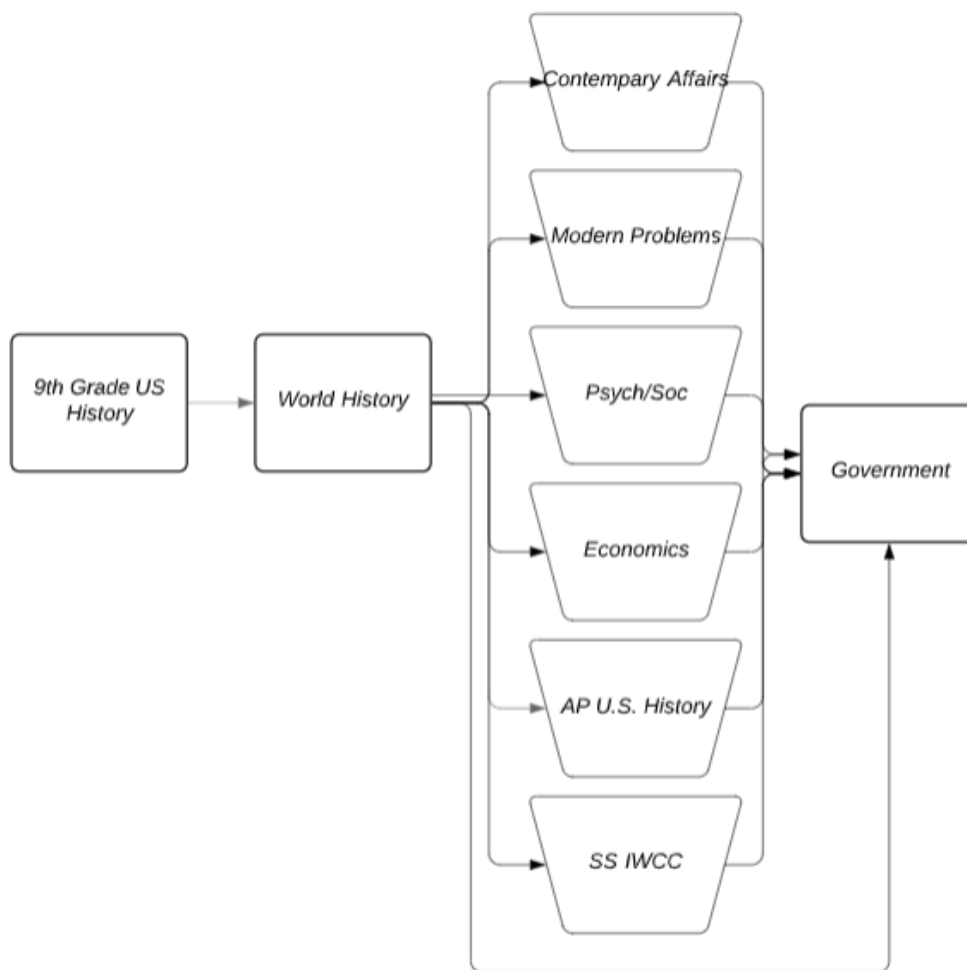
*PREREQUISITE: none*

*MAXIMUM ENROLLMENT: 24 per section*

Economics is a semester long course designed to introduce students to the basic principles of both micro and macroeconomics. We will explore economic concepts and their application to problems of both private and public policy. We will look at issues such as inflation, unemployment, poverty rates, and their possible causes and cures, and how they affect both individuals and the economy as a whole. Additionally, we will analyze the role of the government and the Federal Reserve in the US and global economies.

- 3409     **MODERN PROBLEMS**     (1 semester = 1 credit)     GRADES 11-12 ELECTIVE  
*PREREQUISITE: sophomores with teacher approval*  
*MAXIMUM ENROLLMENT: 12 per section*  
 This course is divided into two sections. The first section will be during third quarter. This section we will prepare for competition for the Iowa Bar Association's mock trial. During this time, we will develop a defense and prosecution for a mock court case. The class will perform as lawyers and witnesses for the trial. In the second part of the class, we will research and discuss problems at the national, state, and local levels. We will examine these problems and come up with solutions. We will have guest speakers helping us prepare get ready for our competition. We will try to set up a field trip to an Iowa prison to get firsthand the working of our prison system.
- 3406     **PSYCHOLOGY**     (1 semester = 1 credit)     GRADES 11-12 ELECTIVE  
*PREREQUISITE: Social Science*  
*MAXIMUM ENROLLMENT: 24 per section*  
 This course provides an overview of the scientific study of human behavior. Topics include history, methodology, biopsychology, sensation, perception, learning, motivation, cognition, abnormal behavior, personality theory, social psychology, and other relevant topics.
- 3405     **SOCIOLOGY**     (1 semester = 1 credit)     GRADES 11-12 ELECTIVE  
*PREREQUISITE: Social Science*  
*MAXIMUM ENROLLMENT: 24 per section*  
 This course introduces the scientific study of human society, culture, and social interactions. Topics include socialization, research methods, diversity and inequality, cooperation and conflict, social change, social institutions, and organizations. Throughout this course, students will learn by brainstorming, cooperative learning, guided practice, inquiry, memorization, research, and note-taking.
- 4101/02     **EASTERN WORLD HISTORY**     (1 semester = 1 credit)     GRADE 10 REQUIREMENT  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: 24 per section*  
 World History promotes an emphasis on both historical content in historical thinking skills to prepare students with a strong foundation in significant history content, and with the skills necessary to apply historical thinking to any historical context. These are the skills required not only for College in career success, but for effective global citizenship.  
 Eastern World History follows the narrative of regions of the world that are primarily located in the far Eastern Hemisphere, but also extends into parts of the Middle East and Africa. Students will follow the same format as the Western World History class and participate in three crossover events with "Western World" along the way. The content introduces students to the history and culture of ancient civilization through current issues and modern problems in the region.
- 4103/04     **WESTERN WORLD HISTORY**     (1 semester = 1 credit)     GRADE 10 REQUIREMENT  
*PREREQUISITE: none*  
*MAXIMUM ENROLLMENT: 24 per section*  
 World History promotes an emphasis on both historical content in historical thinking skills to prepare students with a strong foundation in significant history content, and with the skills necessary to apply historical thinking to any historical context. These are the skills required not only for college and career success, but for effective global citizenship.  
 Western World History follows the narrative of regions of the world that are primarily located in Europe and the Western Hemisphere, but also extends into parts of the Middle East, Asia, and Africa. Students will follow the same format as the Eastern World History class and participate in three crossover events with "Eastern World" along the way. The content introduces students to the history and culture of ancient civilization through current issues and modern problems in the region.

## SHS Social Science Course Flowchart 2020



## SPECIAL EDUCATION

### 3514/15 **GUIDED INSTRUCTION**

(1 credit/semester for each period)

GRADES 9-12 ASSIGNED

*PREREQUISITE: written in IEP*

*MAXIMUM ENROLLMENT: none*

Offered each term to students as indicated on their Individual Education Plan (IEP). Multiple sections of this class may be taken. Specially designed instruction will be provided as outlined in the student's IEP. The primary goal of the class is to assist students in developing skills that will enable them to meet the demands of the regular curriculum and help them to generalize situations and settings outside the school.

### 4057/58 **INDIVIDUAL WORK STUDY**

(1 credit/semester for each period)

GRADES 9-12 ASSIGNED

*PREREQUISITE: written in IEP*

*MAXIMUM ENROLLMENT: none*

This class is designed to give students exposure to various career opportunities according to their interests. Jobs are found by the special ed teacher and student based on career skill and interest. The student will receive credit upon completion of all requirements set by the employer and instructor.

**3516/17 LIFE SKILLS**

(1 credit/semester for each period)

GRADES 9-12 ASSIGNED

*PREREQUISITE: written in IEP**MAXIMUM ENROLLMENT: none*

This class develops the daily life skills that a student will need to be able to live and work independently. The focus will be on daily life skills that are in the areas of cooking, cleaning, laundry, vocational work skills, personal information, money, time, social interaction, personal care, and communication skills. This list is not inclusive and could be added to or taken away from depending on the individual's own needs as described in his/her IEP.

**3507 PERSONAL & SOCIAL SKILLS**

(1 credit/semester for each period)

GRADES 9-12 ASSIGNED

*PREREQUISITE: IEP behavior goal**MAXIMUM ENROLLMENT: 4 per section*

The students will learn developmental skills that will help them in social situations through the "Prepare" curriculum. The students will role-play different situations to learn how to cope with those types of situations in the real world. Once they learn the skills, they will be challenged to apply them in other classrooms and out in the community.

**4038/39 PRACTICAL MATH**

(1 year = 2 credits)

GRADES 9-12 ASSIGNED

*PREREQUISITE: IEP math goal**MAXIMUM ENROLLMENT: none*

Practical Math is a class to help prepare the student for the real world.

**4050/52 PRACTICAL LANGUAGE ARTS**

(1 year = 2 credits)

GRADES 9-12 ASSIGNED

*PREREQUISITE: IEP Language Arts goal**MAXIMUM ENROLLMENT: none*

Practical Language Arts is a class to help prepare the student for the real world.

## WORK OPPORTUNITIES

**4024 CTE INTERNSHIP**

(1 year = 2 credits)

Grade 11-12 ELECTIVE

*PREREQUISITE: on track to graduate, internship established before August 15<sup>th</sup> for approval in the program, learning targets & deadlines met, work at least 4 hours/week at the business, no behavior referrals, GPA of 3.0 or higher, & school attendance of 90% or better previous year**MAXIMUM ENROLLMENT: 5-10 students per year*

Students in high school will actively have an internship with a local company in the immediate area. The goal will be for the students to work in a work-study format with a local business. The internship may be paid or not depending on the contract between the school and place of business. Students will work on a weekly journal to assess job performance and learning objectives. Work experience is monitored by Mrs. Martin. Participation in FFA is not required, but highly recommended. This course qualifies for FFA membership.

**4057/58 WORK STUDY**

(120 hours worked = 1 credit, up to 9 credits)

GRADES 11-12 ELECTIVE

*PREREQUISITE: part-time job & principal approval**MAXIMUM ENROLLMENT: none*

Students have the opportunity to receive credit for working an outside-of-school job. Students will receive one credit for every 120 hours worked. Students will submit a 'work study agreement' and an end of term 'evaluation' signed and agreed upon by both administration and place of employment. The forms must be turned in within two weeks of the semester. If a student does not successfully complete a work study agreement, they will not be considered for future work study agreements.