English / Language Arts

English 2 (1 Credit) .................................................................................................................. Open to students in NETWork

This course utilizes a variety of American literature which may include short stories, novels, poetry, non-fiction, drama and informational text. Course selections are chosen to improve on a variety of writing skills, communication skills, reading, comprehension, acquisition of vocabulary and the development of critical and analytical thinking skills. Expository, description, persuasive and narrative writing is stressed.

English 3 (1 Credit) ........................................................................................................... Open to Juniors

This course uses British/contemporary literature to explore various literary styles, time periods and genres. Descriptive, persuasive and expository writing is stressed along with vocabulary acquisition. Literature presented in this course may include novels, short stories, poetry, drama, and non-fiction. Students will respond to these readings through a variety of projects, research, writing assignments, and discussions.

Advanced English 3 (1 Credit) ......................................................................................... Open to Juniors

Prerequisite: Students must have earned an “A” or “B” in English 2 and/or previous enrollment in Honors English courses.

This course focuses on British literature with some contemporary literature integrated. Students will be expected to complete a variety of reading and writing assignments as well as various independent projects.

English 4 (1 Credit) ........................................................................................................... Open to Seniors

This course uses a variety of literature selected from diverse cultural backgrounds to provide students with a global perspective of the world. Literature presented in this course may include novels, short stories, poetry, drama, and non-fiction. Students will respond to these readings through a variety of projects, research, writing assignments, and discussions.

Advanced English 4 (1 Credit) ......................................................................................... Open to Seniors

Prerequisite: Students must have earned an “A” in English 3 and obtain teacher recommendation. Once enrolled, the student must remain in this course. The course is limited to the first 20 students who enroll.

This course focuses on world literature and students will frequently write critical essays in response to the literature. Students will also complete one research project involving reading, writing and evaluating literature. Students should expect more independent reading to be assigned with written responses to the reading.

BGSU Firelands GSW 1110 & 1120 (1 Credit)

Prerequisite: Enrollment in Post-Secondary Enrollment Options, Dual Enrollment or a BGSU Firelands College Tech Prep Program.

These courses may be taken in place of English 4 and are the equivalent of the freshman level college courses. Both courses must be taken and passed in order to meet the requirements for high school graduation.

These General Studies Writing (GSW) courses feature emphasis on academic rigor in reading and structured composition. The courses are required in most state colleges and universities. GSW 1110 is a pass/fail course for BGSU-Firelands College and is a necessary prerequisite for the GSW 1120 course. GSW 1120 must be passed with a “C” or better. College credit is earned along with high school credit. Books and fees are provided
as long as students remain in good standing. Both courses are needed for a full high school English credit. Students will be tested through BGSU-Firelands Compass Placement Assessment prior to scheduling.

Make-Up English (1 Credit) ................................. Open to Students Deficient in English

The students will develop and apply skills in reading, writing, listening, thinking and speaking. The course integrates writing skills, vocabulary and many types of literature (short stories, poetry, novels, essays and drama).

Mathematics

Algebra 1 (1 Credit) .................................................... Required for Graduation

This course covers a wide range of algebraic topics. Some of the concepts include an understanding of the properties and operations of real numbers with an emphasis on ratio, rates, and proportion/numerical expressions containing exponents and radicals. Students will also be able to factor polynomial expressions, use algebraic radical expressions, and solve/graph linear equations. Connections to algebra will be made through the interpretation of linear trends in data, comparison of data using summary statistics and evaluation of data-based reports in the media.

Geometry (1 Credit)

This mathematics course will focus on the practical aspects of geometry from an algebraic perspective. Students must understand basic algebraic concepts and skills. Students will learn all the essential aspects of geometry to prepare students for their future needs while making connections using examples from career/technical fields and real-world applications. Topics covered in this course include basic of geometry, segments, angels, lines, triangle relationships, congruent triangles, similarity, right triangles/trigonometry, quadrilaterals, polygons, area, circles, surface area, and volume.

Algebra 1/Geometry

This mathematics course will focus on topics covered in the second half of an Algebra 1 course and the topics covered in the first half of Geometry. Algebraic topics include solving for x, linear equations, exponents, radicals, and factoring polynomials. Geometric topics include basics of geometry, segments, angles, lines, triangle relationships, congruent triangles, similarity, and right triangles. This course is designed for the student that needs to build their algebraic skills, while applying those skills to geometric concepts.

Algebra 2 (1 Credit)

This course is an accelerated course covering the concepts listed in Algebra 1. Students enrolled in this course are expected to have a strong foundation in algebraic and geometric concepts. Applications of these concepts to career/technical and real world situations are stressed. A scientific calculator is required.

Trigonometry (1 Credit)

This course is designed for students planning to attend college (two-year or four-year) or planning to enter the military. Students will gain a solid understanding of trigonometry, expand their understanding of functions and be introduced to college-level statistics and probability. Throughout the course, students will be solving real-world examples.

Foundations of Math (1 Credit)

This course enables students to develop an understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands-on activities.

BGSU Firelands Math 1120 (1 Credit)
**Prerequisite:** Enrollment in Post-Secondary Enrollment Options, Dual Enrollment or a BGSU Firelands College Tech Prep Program.

This college-level course includes graphing, algebra, functions and their graphs, factoring, polynomials, rational expressions, rational exponents, linear and quadratic functions and their applications.

**Science**

**Anatomy/Physiology (1 Credit)……………………………………………..Advanced Biological Science**

This class provides an introduction to the human body. The emphasis is on purposes of the body systems and the parts of each system and the relationship between the different systems. It provides solid background for any student going in to a health related field. To enhance the student’s ability to identify body structures and their relationship to each other, dissection is strongly emphasized.

**Biology (1 Credit)…………………………………………………………………………….Biological Science**

This course introduces the fundamentals of cellular biology with an emphasis on cellular structure and function, cellular transport and molecular genetics. In addition, students will be introduced to the six kingdom classification system.

**Chemistry (1 Credit)……………………………………………………………...Advanced Physical Science**

This course is designed to introduce the general concepts of chemistry. Emphasis is placed on problem solving and its applications using algebra techniques. Experimentation is also an integral part of this course. Topics covered include: measurements, matter, atomic structure and theory, periodic table, chemical formula writing and naming, chemical bonding, gas laws and solutions.

**Environmental Science (1 Credit)……………………………………………………….Biological Science**

This course is designed to make students more aware of the impact of the human population on the environment. Content of the course includes the concepts and issues related to population, earth resources, energy, and human impact.

**Geology (1 Credit)……………………………………………………………………………Physical Science**

Students in Geology will complete an introduction to the basic principles and processes of geology. Topics include earth history, geologic time, the rock cycle, volcanism, earthquakes, mountain building and the earth model. Students will also explore our solar system and the properties of the planets included in it. The course consists of hands-on/project-based learning and laboratory investigations.

**Physics (1 Credit)………………………………………………………………….Advanced Physical Science**

This course explores concepts of matter and energy, heat, wave motion, sound, electricity, magnetism, light, atomic and nuclear structure, and how they relate to various mechanical processes.

**Social Studies**

**American History (1 Credit)................................................................................ Required for Graduation**

This course addresses a chronological study of the history of the United States. This study includes not only history from 1877 to the present, but integrates each of the other six state social studies standards. As the
historic events are studied, students consider the geographic setting, cultural perspectives, economic implications and the role of government. They develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

**Government / Economics (1 Credit)**

This course presents an overview of the American constitution and governmental system. It is designed to familiarize students with national, state and local governments in the United States. Students will understand the operation of the executive, legislative and judicial branches, and how they function in a modern governmental system in preparation for becoming active and responsible citizens. Students will learn about other economic structures and governmental forms by comparing these to the American structure.

**Current Issues (1 Credit)**

This course is an in-depth look at what is happening in American society and the world today. Students study a wide range of topics such as health care, the media, the economy, divorce, poverty, crime/drugs/alcohol and terrorism. Students will demonstrate their learning through oral, written and multi-media assignments/projects.

**World History (1 Credit)**

This course examines world events from 1600 to present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

**Psychology/Sociology (1 Credit)**

Psychology presents the study of both mind and behavior and, in particular, the relationships between the two. Sociology presents the study of groups, communities and societies in an exploration of the process of socialization, norm folkways, movements, social behavior, social institutions, culture, population, minorities and changes in the informal and formal structures of society.