

# Kewaskum Career Academy

---

## Course Selection Handbook



## Mathematics

### **Applied Math**

This course will help students develop mastery in the following areas: whole numbers, fractions, decimals, ratios, proportions, and percents.

### **Applied Algebra**

This course in algebra concepts and skills encompasses the use of whole numbers and theory; quantitative data, percents, ratios & proportions, and integers. Additionally, instruction in the use of the calculator assists in a better understanding of the manipulation of numbers.

### **Algebra I**

The students learn how to use variables and functions to model numeric patterns and quantitative relationships. Emphasis is to understand algebraic concepts as a problem-solving tool.

### **Geometry**

Geometry uses patterns and the language of mathematics to find geometric concepts. The student will build relationships among parallels, congruent triangles, similar figures, polygons, quadrilaterals, circles, right triangles, areas, and volumes. Geometry also involves using reasoning and logic to make conclusions based on given information through a step-by-step process.

### **Consumer Math**

Real-life applications reinforce and extend students' mastery of basic math concepts. Topics explored included: earning money, buying food, managing a household, buying and maintaining a car, budgeting money, and banking.

### **Math Seminar**

Individual study or research is available to students of all mathematical abilities. Concentration will be in the area of the student's interest or career path.

## Science

### **Anatomy**

This course is a hands-on, project based course that focuses on the human body.

### **Basic Physics**

This course offers an introduction into the field of science with emphasis on concepts in physics. Students will experience the methods and results of scientific investigation. Students will learn about Newton's laws of motion, the effects of forces, and the concepts of momentum, work, energy, and power. The makeup and interactions of matter at an atomic level will also be explored.

### **Biology**

Students are introduced to the basic concepts of modern biology. This course emphasizes a cellular and ecological approach to biology and encourages the development of critical

reasoning. Classification, physiology, ecology, reproduction, and genetics are among the topics studied.

### **Environmental Science**

This course deals with pollution, conservation, energy, and biodiversity issues.

### **Earth Science**

This course will offer an introduction to the history of the earth, the changing face of the earth, the forces of change, and earth's weather systems. Additionally, both the solar system and the universe will be explored.

### **Science Seminar**

Individual study or research is available to students of all science abilities. Concentration will be in the area of the student's interest or career path.

## **English**

### **English 9**

The focus of this course will be on oral and written communication. Students will develop clear writing and speaking skills. A variety of literary selections will also be used to enhance communication skills.

### **English 10**

The student will study American literature from its early years in the 1600s to the 1860s. Emphasis is placed on the analysis of literature through various essays, including in-depth research papers and oral presentations. This course will be associated with US History in terms of content.

### **English 11**

This course will include the study of both American and World literature. Students will work to improve both their written and oral communication skills.

### **English 12**

This course will include the study of primarily British literature. Students will work to improve both their written and oral communication skills.

### **Independent Reading**

Student will choose literary selections, gain approval from the instructor, and complete reflective activities pertaining to the reading.

### **Writing Portfolio**

Students will work to develop their writing skills through portfolio activities. The emphasis of the activities will involve creating an autobiographical portfolio.

### **Creative Writing Seminar**

Student will write creative stories, poems, or books on selected topics after gaining approval from the instructor. Reflective writing will be included in this course.

**Research Project**

A student may select a contemporary issue to individually research. Topics will be chosen together by the student and instructor. Students will research and write on both the pro and con side of their selected topic. The student's research will be concluded by an argumentative essay, which will explain the student's personal beliefs on selected topic.

**English Seminar**

Individual study or research is available to students of all abilities. Concentration will be in the area of the student's interest or career path.

**Social Studies****World Cultures and Geography**

This course will investigate changes and continuity in human societies. The course focuses on the development of selected cultures and civilizations from the earliest times to the present.

**US History**

Students learn about the development of the US from 1900 to the present.

**Government and Law**

Students will become familiar with the various types, levels, and branches of government, legal rights and responsibilities. Emphasis will be placed on politics and constitutional rights and how it relates to everyday life.

**Economics**

Students will develop an understanding of world wide economic systems. Emphasis will be placed on learning the American economic system and the impact it has on our daily lives.

**Social Studies Seminar**

Individual study or research is available to students of all abilities. Concentration will be in the area of the student's interest or career path.

**Integrated Courses****Current Topics in Biology Seminar**

Student(s) and instructor will decide upon topics/issues geared toward the student's career path or interests.

**Current Events Seminar**

Student(s) and instructor will decide upon topics/issues geared toward the events taking place in the World and the United States today.

**Current Social Issues Seminar**

Student(s) and instructor will decide upon topics/issues relevant to the student's personal experiences or interests.

**Life/Work Skills****Health Seminar**

This course offers a comprehensive approach to health, and provides high school students with practical knowledge and application of health principles. The course was created with the teenager in mind and encourages students to take a proactive, positive, and responsible approach to health and life.

**Careers**

Students will investigate and research careers that are interesting and applicable to the student. Career skills needed to succeed on the job will be emphasized. These skills include the basics of finding and keeping a job, understanding the role of an employer – employee relationship, communicating effectively on the job, and problem solving in the world of work. Students will be expected to job shadow and complete and employability portfolio.

**Physical Education Seminar**

Individual study or research is available to students of all abilities. Concentration will be in the area of the student's interest or career path. Students needing to achieve a required credit in physical education will meet with the instructor to establish an individual fitness plan.

**Other Courses****Fashion Design****Microsoft Office****Web Page Design****Adobe Illustrator**