

Career Explorations II

Course Overview and Syllabus

Grade level: 6–8

Prerequisite Courses: None

Credits: 0.5

Course Description

Career Explorations II is a semester-long course designed to give middle school students an opportunity to explore various CTE subjects. Specifically, students learn about careers involving various technical fields from computers to agriculture. Each of the five units introduces one particular field and explains its past, present, and future. These units include: Information Technology, Introduction to Information Support and Services, Introduction to Network Systems, Introduction to Agriculture, Food, and Natural Resources, and Introduction to STEM (Science, Technology, Engineering, and Mathematics). The goal is to whet students' appetites for these careers. Students can then explore that career in more detail as a high school student.

Course Objectives

Throughout the course, you will meet the following goals:

- Identify the basic components of a computer system and its use within a networking/communications environment
- Discuss the history, development, and use of the Internet and mobile computing technology in business and society
- Examine systems design and implementation
- State the purpose of a computer network and explain the role of network hardware in achieving that purpose
- Explore how agriculture has advanced from its beginnings to present day
- Explain sustainable agriculture and its impact on society
- Discover the STEM field, related concepts and theories, and practical applications

Student Expectations

This course requires the same level of commitment from you as a traditional classroom course. Throughout the course, you are expected to spend approximately 5–7 hours per week online on:

- Interactive lessons that include a mixture of videos, readings, and tasks
- Assignments in which you apply and extend learning in each lesson
- Assessments, including quizzes, tests, and cumulative exams

Communication

Your teacher will communicate with you regularly through discussions, email, chat, and system announcements. You will also communicate with classmates, either via online tools or face to face, as you collaborate on projects, ask and answer questions in your peer group, and develop your speaking and listening skills.

Grading Policy

You will be graded on the work you do online and the work you submit electronically to your teacher. The weighting for each category of graded activity is listed below.

Grading Category	Weight
Lesson Quizzes	20%
Unit Tests	20%
Cumulative Exams	20%
Assignments	10%
Projects	30%
Additional	0%

Scope and Sequence

When you log into Edgenuity, you can view the entire course map—an interactive scope and sequence of all topics you will study. The units of study are summarized below:

- Unit 1:** Information Technology
- Unit 2:** Introduction to Information Support and Services
- Unit 3:** Introduction to Network Systems
- Unit 4:** Introduction to Agriculture, Food, and Natural Resources
- Unit 5:** Introduction to STEM