Introduction to Coding
Course Overview and Syllabus

Course Number: EL3702   **Grade level:** 9–12

Prerequisite Courses: None   **Credits:** 0.5

Course Description

Introduction to Coding covers a basic introduction to the principles of programming, including algorithms and logic. Students engage in hands-on programming tasks in the Python programming language as they write and test their own code using the approaches real programmers use in the field. Students will program with variables, functions and arguments, and lists and loops, providing a solid foundation for more advanced study as well as practical skills they can use immediately.

Course Objectives

- Use software programs that are common in an IT workplace
- Learn and apply introductory programming skills to solve specific problems
- Write and test code

Student Expectations

This course requires the same level of commitment from you as a traditional classroom course would. Throughout the course, you are expected to spend approximately five to seven hours per week online on the following activities:

- Interactive lessons that include a mixture of instructional segments and tasks
- Assignments in which you apply and extend learning in each lesson
- Assessments, including 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.

Edgenuity™

Grading Category	Weight
Assignments	40%
Unit Tests	30%
Cumulative Exams	10%
Projects	20%

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: Course Software Installation

Unit 2: Introduction to Programming

Unit 3: Writing and Testing Code

Unit 4: Programming with Lists and Loops