Excel
HIGH SCHOOL

Introduction to Coding - Course Syllabus

Description:
This introductory Coding course presents the basic principles of programming, including algorithms and logic. Students will learn how computing devices have evolved over the years, along with how the science of computer programming has advanced. Students will understand the basics of how coding projects are completed in: HTML, Javascript, and Python.

Textbook: Introduction to Coding - © Excel Education Systems, Inc. - 2021

Course objectives:
Throughout the course, you will meet the following goals:
- Describe the evolution of computing devices through the four generations.
- Define algorithm, variable, and syntax for programming languages.
- Examine common programming structures and logic, and programming languages.
- Analyze websites for effective use of HTML elements.
- Understand basic elements of JavaScript by creating simple projects.
- Understand basic elements of Python by following project directions.

Contents:
Semester A
Module 1: Computer Basics
Module 2: The World of Computing
Module 3: Introduction to HTML
Module 4: Advanced Styles
Module 5: Javascript
Semester B
Module 6: Javascript Tools
Module 7: Introduction to Python
Module 8: More About Python
Module 9: Coding for Projects
Module 10: Coding for Projects II

Grading Scale
A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F = under 59%

Grade Weighting
Quizzes…………………… 70%
Mid-Term/Final Exams…. 30%
100%