This course runs from June 1st-30th completely online and allows students to work independently at their own pace.

The CompuGirls staff is providing weekly meetings (Wednesday’s from 1-2pm HST) to assist with reviewing, understanding, and answering any questions about the course that students may have for the duration of the program.

**What to expect**

Practice Javascript programming
Explore HTML commands for web pages
Learn programming languages
Create programs to implement algorithms
Convert number systems
Identify career options
Independent pacing
High school credit*

**Course Overview**

This one-semester course is intended as a practice, hands-on guide to help students understand the concepts and techniques associated with computer programming. This course has four Units with 15 Lessons and four Unit Activities. This course describes the skills and training required for careers in computer programming and the work ethics required in a computing environment. It covers number systems, data types, and functions used in computation while also explaining types of programming paradigms and program structures. This course will also explain how to create web pages in HTML and how to create a JavaScript program.

**Prerequisites**

Basic math skills
Ability to visualize and apply creativity and innovation
General familiarity with the writing process and following guidelines
Current enrollment in CompuGirls Cybersecurity Spring Program

*Students must work with their high school guidance counselor to receive credit on their transcripts for this course.