

AP Computer Science I

Carroll High School

Rationale:

Students should start the school year with a basic knowledge of primitive variable types. This will allow us to get started with some deeper content and begin coding much sooner in the school year.

Essential Skills/Content:

AP CSA Standards are included as follows:

- MOD-1.A
- VAR-1.A, 1.B, 1.C
- CON-1.A, 1.B, 1.C

Time Frame for Completing Assignment:

This will be on a flexible timeframe with about four weeks allowed for completion between July 17 and the first day of school - August 15. The assigned CodeHS sections can be completed in 2-3 days if worked on for an hour at a time.

Due Date:

Due date will be the first day of school - August 15.

We will start the school year with a quick review of this material followed by our first unit test which covers that material.

AP Computer Science I - Summer Assignment

Students will be working in CodeHS, which is approved software for the district that they should be familiar with. Students will need to enroll in the course by going to <https://codehs.com/go/D02EC> in their web browser.

Summer assignment description:

- Students will need to enroll in the AP Computer Science A - Summer Session 2023 course set up in CodeHS (via the link provided above).
- Once in the course, students will follow the assigned items, including an optional Java Pretest to assess incoming skills and all of Unit 1 (Primitive Types).
 - Unit 1 consists of 7 lessons:
 - Why Programming? Why Java?
 - Variables and Data Types
 - Expressions and Assignment Statements
 - Compound Assignment Operators
 - User Input
 - Casting and Ranges of Variables
 - Primitive Types Quiz
 - Complete all sections of each of these lessons.