

Honors/Ap Computer Science A Summer Assignment 2021- 2022

Objective: To reinforce introductory programming skills to students and show commitment to the class. Students should come prepared to discuss the assignment on the first day of class. Students will be tested on the material covered in the summer assignment within the first two weeks of class. Coding Bat is being used to practice writing basic segments of code for methods. Students need to become familiar with Coding Bat since it will be used all year. Students also need to become familiar with Runestone.academy as a supplementary digital book/resource.

Due Date: All parts of the assignment are due by Monday September 13, 2021.

Approximate Time Needed: This assignment should take approximately 7 hours.

Part One:

You must use your school email to email me with your name so I can add you to the runestone classroom. My email address is ckropilak@hackensackschools.org

Part Two:

- Log into [Runestone Academy: CSAwesome](#)
- You are going to make sure you are logged into with the username and password I provide you after you send your email.
- You will complete Section 1.2 Why Programming? Why Java?
- You will complete Section 1.3 Variables and Data Types
- You will completed Section 1.4 Expressions and Assignment Statements
- All parts in each section should be complete. It is interactive so if you are logged in and attached to my class I can see every programming challenge completed and all other parts required of you to complete in each section.

Part Three:

Go to CodingBat.com

1. Setup a login (don't forget the password)
2. Setups sharing with the teacher:
 - a. Click "prefs" in the upper right corner
 - b. In the "Share to" box at the bottom, enter my email address-
c.kropilak@hackensackschools.org
3. Bookmark the site. We will use it frequently
 - a. After you login, we will focus on the exercises on the left side of the screen under the **Java** header.
4. Under the Warmup - 1 section, complete :
 - a. sleepIn
 - b. monkeyTrouble
 - c. sumDouble
 - d. diff21