

AP Computer Science A Summer Assignment

The purpose of the AP Computer Science A (AP CS-A) summer assignment is to prepare students for the challenges in the course and to ensure that students are aware of the content and commitment level involved in this college level course. If you've never programmed before, that's okay. AP CS-A will teach you how to code in the language of Java while building the thinking skills necessary for all computer languages. We will concentrate on program design and algorithm development, code logic, code implementation, code testing, and documentation while working on the big ideas of modularity, variables, control, and the impact of computing.

Please read and complete all steps in this document. The assignment is due by the first day of class.

1. Read Chapter 1: "Computer Programming" in the free online textbook "Think Java: How to Think Like a Computer Scientist" by Allen B. Downey and Chris Mayfield. The textbook is located at thinkjava.org and it is version 7.1.0. You can download the textbook as a pdf or read it online.
2. Complete the [Summer Assignment Questions](#) in the Form linked. This assignment is due at the beginning of your class period on the first day of school.

Items you will need for this class:

- A folder in your OneDrive to store your files to access between school and home.
- The online supplemental course textbook: "Think Java: How to Think Like a Computer Scientist"
- A notebook and pen or pencil.
- Your school-issued laptop daily. Make sure it is charged! Bring your charger!
- A wireless mouse is optional, but many students find it very helpful to use a mouse when programming.
- Wired headphones / ear buds to listen to videos from your school-issued device.

Most importantly, you will need dedication, perseverance, and desire to succeed on the AP CS-A exam in May 2024.

Over the summer I usually check emails weekly. If you need anything or have a concern, please email me at cwong@tusd.net.

Have a great summer!

~Mrs. Wong