

## Summer Work for AP Computer Science Principles (AP CSP)

Welcome to AP Computer Science Principles. I am so excited you have chosen to take this course! AP Computer Science Principles is not simply a computer programming course (yes, you will program), it is an exploration of a broad range of topics that are central to computer science. According to the college board:

“AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.” - College Board

In order to prepare you for the course’s content and expectations, please complete the following summer assignment. Have fun!

### Summer Assignment: Getting acquainted with AP Computer Science Principles (Due: The First Week of School)

For this assignment, I want you to explore the course content and expectations. To complete this assignment:

**a. Watch the following introduction video:**

<https://www.youtube.com/watch?v=jQm0z894CG0>

**b. Read over pages 170-208 from the following document:**

<https://apcentral.collegeboard.org/pdf/ap-computer-science-principles-course-and-exam-description.pdf>

**c. Introduce yourselves to our class:**

- Who are you?
- What’s something you really enjoy doing with your freetime?
- What are you excited to learn?
- Anything else you want to say?

[Use this link to create a FlipGrid video.](#) Please be sure to show yourself!

**d. Dive into some coding:**

To be successful in this course, you do not need to have coded before. However, getting a jump on some of the coding concepts we will learn in more detail during the year can only help you to feel more confident and at ease. To do this:

-[Click on this link to go to and join our KhanAcademy AP Computer Science Principles Class](#) and begin working on the Programming unit. How much should you complete? That is up to you. While we will cover these topics in depth, “front-loading” as much of this information as possible will make sure you are at ease later in the course.

If you have any questions or need some support, please email me: [sstansbery@nasd.k12.pa.us](mailto:sstansbery@nasd.k12.pa.us). Thank you and I look forward to working with you!

Mr. Stansbery