

AP® Computer Science Principles

Syllabus
2020 - 2021

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Room 2607
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Conference: 3rd period

SUPPLIES

Required

- Pen or pencil.

COURSE DESCRIPTION

This innovative and exciting AP® course is an introduction to the foundation of modern computing. The course covers a broad range of foundational topics such as the Internet, digital data, programming and algorithms, big data, digital privacy and security, and societal impacts of computing. We will be using the Code.org Computer Science Principles curriculum and you can learn more about the curriculum at <https://code.org/educate/csp>.

The AP® CS Principles College Board Assessment consists of two parts: performance tasks and the end-of-course AP® Exam. Both measure student achievement of the course learning objectives. Every student in AP® CS Principles is expected to take the end-of-course AP® exam and submit the two performance tasks.

AP® Course and Exam Description:

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

The AP® CS Principles exam is scheduled for Thursday, May 13, 2021. The AP® CS Principles performance tasks is due Friday, April 30, 2021.

ABSENCES

Absences should be kept to a minimum. Students are responsible for making sure all missed work is completed.

Students are expected to get notes and assignments from OneNote and Canvas.

If a student is absent the day before an exam, they MUST take the exam on exam day.

Refer to the student handbook for more policies concerning absences.

TUTORIALS

A weekly schedule of tutorial times will be posted in Canvas.

Tutorials will be handled through the discussion board on Canvas and in Microsoft Teams. Students will post questions on the discussion board, which will be answered by other students or the teacher daily. The teacher will not answer questions after 8:00 pm.

EXPECTATIONS

- Come to class prepared and ready to work each day.
- Be respectful and courteous to others.
- Obey all campus and district codes of conduct.
- Obey the honor code. No cheating.

VIRTUAL CLASSROOM POLICIES

- Turn your camera on.
- Mute your microphone when not speaking.
- Be mindful of what is showing in the background of your video.
- Attend the entire class period.

PHYSICAL CLASSROOM POLICIES

- Keep the classroom clean.
- Students may not consume any food or drink, other than water, while in class.
- Students may not use a cell phone or any electronic entertainment devices for any reason while in class unless permission has been given.
Students must be in dress code and wearing their ID before they enter the room.

TOPICS COVERED

First Semester

- Digital Information
- The Internet
- Intro to App Design
- Variables, Conditionals, and Functions
- Lists, Loops, and Traversals

Second Semester

- Algorithms
- Parameters, Return, and Libraries
- Create Performance Task
- Data
- Cybersecurity and Global Impacts
- AP® Exam