

Advanced Placement Computer Science Principles 2020-2021

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Introduction

Welcome to AP Computer Science Principles (AP CSP)! AP CSP is an introductory course intended to familiarize students to the general concepts and thinking practices of computing, computer science, and information science. Students will learn computing concepts through authentic visual and interactive projects. Students will focus on the “big CS ideas” in creative ways that emphasize conceptual knowledge and thinking practices rather than on programming alone. Emphasis is placed on problem solving, communication, creativity, and exploring the impacts of computing on how we think, communicate, work, and play. Art, language arts, and mathematical concepts are reinforced. As part of the AP Exam process, students will participate in an explore task about a computing innovation and a create task where they work in pairs to develop a computer program. There will also be a multiple-choice exam in May that will not count as part of the final grade for this course, but will go towards earning college credit.

Textbook – There is no textbook for this course. We will be using many online resources.

Code.org (create account)
use code CQDGML

CodeHS.com (go to the link below)
<https://codehs.com/go/8ACCB>

KhanAcademy.org
<https://www.khanacademy.org/join/6A2MAWFG>

Online textbook: (no need to create an account)
<https://runestone.academy/runestone/books/published/StudentCSP/index.html>

Blown to Bits:
<https://www.birmingham.k12.mi.us/cms/lib/MI01908619/Centricity/Domain/644/BlownToBitsTextbook.pdf>

Supplies:

1 inch three ring binder, paper, pencils

Grading:

Summative Assessment 75%
- Cumulative Assessments (3 per quarter).

Formative Assessment 25%
- Quizzes (2 per summative assessment)

Home Work
- Reading, studying vocabulary, research and programming practice

AP Computer Science Principles Exam and Digital Portfolio:

Explore Performance Task - This must be submitted to the CollegeBoard to be scored as part of your AP score for the course. The Explore Performance Task makes up 16% of your AP score. You will have approximately 2 weeks of class time to complete this assignment during the second quarter. After you submit the task to CollegeBoard it will be recorded as a summative grade for the 3rd quarter.

Create Performance Task - This must be submitted to the CollegeBoard to be scored as part of your AP score for the course. The Create Performance Task makes up 24% of your AP score. You will have approximately 3 weeks of class time to complete this assignment during the third and/or fourth quarters. After you submit the task to CollegeBoard it will be recorded as a summative grade for the 4th quarter.

Multiple Choice AP Exam - Friday Math 15th 8:00. This exam is two hours long and approximately 74 questions. The exam makes up 60% of your AP score for this course

Notebook Policy: Students are expected to keep a notebook with notes, assignments and assessments organized in order by date.

Attendance Policy: If a student is not in class they will be marked absent.

Hall Pass Policy: Hall passes are for emergencies only. Hall passes will be denied if a student is deemed to using the pass inappropriately.

Academic Integrity

In our class, we will adhere to the following guidelines to promote integrity:

- Study and work in an honest and respectable manner.
- You must complete and submit your own work.
- You are encouraged to work with others only under prescribed circumstances.
- Do not copy someone else's answers in or out of the classroom.
- Do not seek unauthorized help from those outside the classroom.
- Cite all sources.
- Quizzes and tests must be completed without assistance from any outside source.
- Keep your eyes on your own paper during quizzes and exams.
- Protect your answers.
- Cell phones and other electronic devices will be used in a responsible manner.