



AP Computer Science Principles

Mrs. Haynes
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2019-2020

Course Description

This course uses Code.org to teach students about the history and principles of important computer science topics including the impact of technology on our modern world. These topics are covered at an in-depth level with daily hands-on work. This course requires some basic computer skills and the ability to use the internet.

This course is an AP level class and the expectations are rigorous. Students will be expected to learn both concrete and abstract computer science concepts. Course work will include to applying learning to real world scenarios as well as analyzing information to form opinions on the state of technology and its global impact.

Students will take the AP exam for Computer Science Principles. This exam consists of 3 parts. The Explore Task and the Create Task are written and practical portions of the exam that will be done in class during the semester. These tasks are 40% of the student's overall exam score. The remaining 60% of the AP exam score comes from a multiple-choice exam given in May.

There is also a teacher-made exam for this course which will count as 20% of the final course grade.

Major Content Covered:

Students will cover five (5) Units on Code.org

- Unit 1 The Internet
- Unit 2 Digital Information
- Unit 3 Intro to Programming
- Unit 4 Big Data and Privacy
- Unit 5 Building Apps

Units will include vocabulary, in class modules, quizzes, and a unit test grade.

Homework Policy

Homework will primarily consist of supplemental reading to help student prepare for class discussions. All of our core work will be done on Code.org and can be accessed via the internet if students need extra time.

Late Work Policy

Late work will incur a penalty of 10 points a day and will not be accepted after 5 school days except in the case of an excused absence.

Be in class and participate every day! Missing classwork will cause you to get behind and not succeed.

Regular attendance is a must in this course. If you are absent from class, you should plan to make up any missed assignments within three (3) days of your absence.

Working on coursework outside of class will require a computer with internet access. Mrs. Haynes will be available **by appointment** most days before school at 8:00 a.m. and after school until 5:00 p.m. to allow students use of the computer lab.

Computer Lab Expectations

Computers are to be used for classwork only

NO food or drink in the lab (water in a CLOSED bottle is the only exception)

Log off at the end of class, do not “Shut-Down”

Push Chairs Under when you leave

Notify the teacher immediately if you see something amiss at your computer station

Student Learning Expectations

Be professional which means:

1. Be in your seat and ready to work on time.
2. Focus on your classwork during class time.
3. Treat your classmates with respect.
4. Give help and accept help with grace.

Grading Policy

Grades will be posted in PowerSchool weekly.

Classwork/Class Participation-50%

Quizes-20%

Tests-30%

Preliminary Schedule of Topics

Week	Topic	Week	Topic
1	Unit 1 The Internet	10	Unit 5 Building Apps
2	Unit 1 The Internet	11	Unit 5 Building Apps
3	Unit 1 The Internet	12	*Create Task Field Trip*
4	Unit 2 Digital Information	13	Create Task 24% AP EXAM SCORE
5	Unit 4 Big Data and Privacy	14	ALL PERFORMANCE TASK DUE TO COLLEGE BOARD BY APRIL 30th.
6	Unit 4 Big Data and Privacy	15	Exam Review
7	*Explore Task Field Trip* 16% AP EXAM SCORE begin Unit 3	16	AP EXAM MAY 15th at 8:00 a.m. 60% AP EXAM SCORE
8	Unit 3 Intro to Programming	17	Final Project
9	Unit 5 Building Apps	18	Exam Week

This pacing is vital to completing the course work on time. Should we miss school for inclement weather, the expectation is that you will, to the best of your ability, continue to work and study for this course. As I am unable to change the due dates for College Board, due dates for this class will also not change.

Sign up for remind to get due date reminders and notifications from Mrs. Haynes about this course.

text @fad732h to the number 81010

Up-to-date information on this course can also be found on Mrs. Haynes' website:

<https://haynesm8.wixsite.com/mysite>

Student Last Name

Block

Please use this space to let me know anything that will help you be successful in class:

Receipt of Syllabus

Student:

Please read the course syllabus and share it with your parents. Then you and your parents should sign this sheet. Please return this sheet by **Monday, January 27th**

I have read the policies and expectations for AP Computer Science Principles and understand them.

Student Printed Name: _____ Parent Printed Name: _____
Student Signature: _____ Parent Signature: _____
Date: _____ Date: _____

Preferred Contact information (optional, but helpful!)

Student email: _____
Parent phone: _____
Parent email: _____