Harrison Bay Future Ready Center

AP® Computer Science Principles

Instructor: Pickett   Institute of Architecture and Engineering

AP® Computer Science Principles - I Syllabus

Prerequisites: Algebra 1

Textbooks: None

Course Content:
1. The Internet – We will explore and discover the issues of digital communication, and the internet was developed.
2. Digital Information – We will discuss how information is stored digitally.
3. Intro to Programming – We will look at the basics of programming.
4. Big Data and Privacy – We will look at how to represent data and use it effectively.
5. Building Apps – We will build basic computer applications.
6. AP performance tasks and test – For AP credit you will have 2 performance tasks and you will have to pass a written test.

Grading Criteria:
The Hamilton County grading method for all classes is as follows:

Semester Breakdown:
Semester 1 average – 42.5% of total grade
Semester 2 average – 42.5% of total grade
Exam average – 15% of total grade

Exams:
15% of your grade will be your final exam. Your exam may be written, coding assignments, a project or some combination of all and will only be taken at the times announced by the administration.

Assignment Breakdown:
Teacher Tasks – 50% of total grade
Assessments – 50% of total grade

For our Programming class, the following will apply:
Teacher Tasks Average:
10% of your Quarter grade will be a Lesson Exercises. These are found in the Edhesive course on-line.

20% of your Quarter grade will be Projects. These are found in the Edhesive course on-line.

10% of your Quarter grade will be Quizzes. These are found in the Edhesive course on-line.

10% of your Quarter grade will be Mini-Performance Tasks. These are found in the Edhesive course on-line. These will help you prepare for the performance tasks that are required for the AP Exam score.

****Warning:
Any identical work or other identifiable cheating will result in a zero on the assignment.

Tests:
50% of your Quarter grade will be exams. Exams are all in Edhesive and will be model on questions on the AP exam.

Late Assignment Policy:
- The course work is online and accessible from home as the classroom. Make up work can be completed at home and submitted for grading. No late penalties will not be assessed.

File Storage:
All assignment related files will need to be saved and up loaded to Google Drive for many reasons.
1. The classroom computers have Deep Freeze on them so that any files will be wiped clean when the computers are restarted which happens several times a week.
2. Many assignments will be worked on over multiple classroom periods. It is important that every student is ready to work on assignments. If work is not saved properly it will hamper the students work and grade.
3. Students will frequently submit assignments that are missing files and therefore cannot be graded. If the files are not properly saved, the student cannot resubmit the assignment.
4. All work not properly stored can be redone but help will be restricted because the class will continue forward.
5. It is the **student's responsibility** to make sure files are saved properly and submitted electronically when requested. Lost files will require the student to redo the lost work. We will store our work in your personal G Drive or a USB drive. If you share these with other students, it will be considered cheating.

The following procedures will be observed in the classroom:
1. No uncovered food allowed in the lab. Any of these things brought to class will be taken away and thrown in the trash.

2. Pick up after yourself. Otherwise there will be **NO** drinks in the classroom.

3. The cell phone policy is if they interfere in the classroom I will take them for the class period. If they become a persistent problem, they will be sent to the office and you will not get it back for 10 days.

4. You will conduct yourself in a manner that insures a safe environment for yourselves and others at all times. No running or horseplay is allowed.

5. You will not be allowed out of class except in case of emergency.

6. Leave personal differences at the door. This class will require teamwork at times and personal problems will interfere in this.

7. Loud talking, noise or foul language is not permitted.

8. Do not remove textbooks from the room. Do not write in or mar textbooks in anyway.

9. The computers in the room are for classwork only. No videos, Netflix or shopping is permitted.

10. The computers in the room are for classwork only and approved activities.