AACT AP Computer Science Principles
2020 -2021

Instructor Information:

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Course Description:

This course follows The College Board Advanced Placement curriculum and prepares students for the AP Computer Science Principles exam. This course will introduce students to the essential ideas of computer science and show how computing and technology can influence the world. This course focuses on technology and programing to solve computational problems and find creative solutions. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. The appropriate use of technology and industry-standard equipment is an integral part of this course.

This industry is in need of qualified people to work in the computer science field. There are not enough qualified people available to fill the amount of jobs across the country. These skills relate to real world careers. Students will have opportunities to compete and participate in Skills USA and Future Business Leaders of America activities throughout the year.

Please reference the full College Board approved syllabus at: code.org/files/CSPSyllabus2020.pdf

Required Texts and Course materials:

- Code.org
- Personal email
- Headset (student provided)
- Teams
- Office 365
- $95 AP Exam Fee by Nov 1; $134 after Nov 1
- Computer and Internet access at home is necessary
- Other Approved Apps: Blooms, Class Dojo

Unique class procedures /structures:

This course is intensely creative and collaborative. Strategies include unplugged programming, pair programming, group projects, rapid app building, peer review, white boarding and technical writing. There are many more! Students will individually create a culminating project and submit it to the College Board as part of the exam. The individual project involves multiple peer reviews and will greatly impact your semester grades.

Student Learning Outcomes:

Standards:
- Details for Computer Science Principles standards can be found at http://bit.ly/CSPrinciplesStandards
- Details for NV Computer Science standards can be found at http://bit.ly/NVCSStds

Technology Requirements:

Due to the nature of the course and the challenges of the current school year, students must have **individual access** to a computer (laptop preferred), webcam, and internet access **during their scheduled class period.** We do have course options that meet the graduation requirement should a student not have access to the necessary technologies. Please clearly communicate any concerns with your teacher so that we can help you resolve technology concerns.

Grading Criteria, Scale, and Standards:

DRHS/WCSD grading scale:	**Grading Categories:**
A: 90% - 100%	20%: Homework/Practice
B: 80% - 89.9%	20%: Projects
C: 70% - 79.9%	45%: Quizzes & Tests
D: 60% - 69.9%	15%: Final Exam
F: <60%	

Make-Up Work

- APCSP follows the district policy on make-up work "Students are provided the length of the absence plus one day to complete any make-up work assigned. For example, if the student was absent for four days he/she will have five days to complete and submit the make-up work."
- It is the responsibility of the student to access make-up work after returning from an absence and return the completed work within the designated deadline. **All work is available and submitted online**
- **Previously assigned work that was due on the day the student was absent is NOT considered makeup work and is due the day the student returns to school.**

Late Work and Attendance

- Late work is not accepted. Start early and please follow the WCSD absence make up work policy. Remember, ALL content including lecture materials will be available online and on-demand once the class period has occurred.
- **Attendance will be taken based on participation during all scheduled class periods, regardless of whether you attend class from home or in-person.**
- Students are responsible for **attending the entire class,** regardless of whether you attend class from home or in-person. Attendance checks will be conducted a minimum of three times each period. Possible attendance checks include but are not limited to: physical attendance, pop quiz, assignment, exit tickets etc.
- As always please communicate with me if you have any questions or concerns.

Academic Integrity:

The goal of computer science is that each person learns and masters skills that allow them to collaboratively solve problems. We encourage robust use of your choice of search engine to independently fill gaps in knowledge. However, it is accepted practice to celebrate collaboration by properly attributing someone's work. The computer science teams philosophy is that successful students

will seek to authentically learn. To support your journey in becoming an independent learner, all answer keys to learning and practice materials are provided in advance.

Cheating is defined by gaining unfair advantage by using unauthorized information. Some examples are listed below:

- COPYING someone else's homework, classwork, or test answers
- ALLOWING someone else to copy your work or test answers
- USING any kind of unauthorized device, study aid, or cheat sheet
- POSSESSING or VIEWING a copy of an exam beforehand
- SHARING test information with students who have not yet taken the test or course
- This includes taking answers/questions from a test out of the classroom without the permission of the teacher
- CHANGING your answers or someone else's when correcting in class
- MISREPRESENTING work done by others as your own work

Be Responsible. Make Wise Choices. If you are unsure, ask your teacher for guidance.

Student Name (Print)	**Student Signature**	**Date**

Syllabus Parent & Student Signatures:

Please sign below indicating that you've thoroughly read the entire syllabus and agree to its contents. Please return this signature page by the third class.

Student Name (Print)	**Student Signature**	**Date**

Parent Name (Print)	**Parent Signature**	**Date**

As part of taking this Advanced Placement (AP) class, students will be required to set up an online account with the College Board (the company that oversees the AP Program), if they don't already have one. With a College Board account, students can access AP curriculum supports, SAT and AP scores, and send them to colleges. Additionally, an account lets students manage personal college lists, save scholarship searches, compare costs at colleges of interest, and more. When setting up the account, students will need to use a personal email address in order to have access to the account long term, since their WCSD email address will no longer be active after the student graduates. They will also need to supply the College Board with identifying information such as full name, email address, high school name, year of graduation, and home address. You can access the College Board Terms and Conditions here: https://about.collegeboard.org/site-terms and their Privacy Policy here:

https://about.collegeboard.org/privacy-policy. By signing below, I acknowledge the foregoing account requirements and consent to my student registering for an online account with the College Board using the foregoing required information.