

WEST RANCH HIGH SCHOOL
AP Computer Science Principles

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West Ranch High School Mission Statement

“West Ranch High School is committed to challenging and motivating each student to achieve excellence and become a responsible and valuable member of society. Through relationships, rigor, and relevance West Ranch High School promotes integrity, distinction, and vision.”

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

Course Credit

AP Computer Science Principles qualifies for Practical Art Credit.

Course Outline

The AP Computer Science Principles course reflects what computer science teachers, professors, and researchers have indicated are the main goals of an introductory, college-level computer science course:

- Computational Solution Design—Design and evaluate computational solutions for a purpose.
- Algorithms and Program Development—Develop and implement algorithms.
- Abstraction in Program Development—Develop programs that incorporate abstractions.
- Code Analysis—Evaluate and test algorithms and programs.
- Computing Innovations—Investigate computing innovations.
- Responsible Computing—Contribute to an inclusive, safe, collaborative, and ethical computing culture.

Classroom Behavior Expectations and Academic Integrity

WEST RANCH HIGH SCHOOL ACADEMIC INTEGRITY POLICY

West Ranch High School will consistently enforce the William S. Hart Union High School District Board Policy on Academic Integrity which is based on William S. Union High School District Regulation 5131.9 (adopted 2008) and Board Policy (adopted 2008, revised 2010).

The Governing Board believes that academic honesty and personal integrity are integral to all solid achievement. Students will reach their full potential only by being honest with themselves and with others.

The Board expects students to respect the educational purpose underlying all school activities. All students need to prove to themselves that they can achieve success at school and later in the workplace as a result of their own efforts. The Board expects that students will not cheat, lie, or plagiarize.

The Board recognizes that students are more inclined to cheat when there is little likelihood of getting caught. Each school shall provide an environment that encourages honesty. Students must know that their teachers will not ignore or condone cheating and that anyone discovered cheating will be subject to consequences.

Some examples of cheating include:

- Plagiarizing
 - using others' ideas and words without clearly acknowledging the source of that information
- Taking someone else's assignment or portion of an assignment and submitting it as one's own
- Submitting papers or portions of papers from the Internet written by someone else as one's own
- Submitting purchased papers or portions of purchased papers as one's own
- Presenting the work of anyone else, including parents, tutors, siblings, friends, as one's own
- Submitting material written by someone else or rephrasing the ideas of another without citing the author's name or source
- Copying or exchanging assignments with other students, whether it is believed they will be copied or not
- Using notes, electronics, or other means of assistance on an assignment or test without the expressed permission of the instructor
- Providing work, answers, or information to other students about an assignment or test
- Altering a teacher's grade book/records/tests
- Taking a copy of a test or key to a test to use it for personal advantage or to distribute to other students
- Any other trick or device used to create a misimpression about a student's performance
- Using teacher manuals/solution manuals without the expressed permission of the instructor

- Using a computer or other means to translate an assignment from one language into another language and submitting it as an original translation
- Using any form of memory aid during tests or quizzes without the expressed permission of the instructor
- When incidences of cheating occur, parents/guardians shall be contacted and asked to make sure that their students have adequate time to study at home.
- Teachers shall instruct students in research and study skills appropriate to each subject, so that all students may feel confident that if they prepare, they can succeed without cheating. Students shall be encouraged to see tests as a means for finding out what they have learned. They shall be reminded that students who cheat on tests are cheating themselves.

The following consequences may be enacted if a violation occurs:

- The parents of the student who has been academically dishonest will be notified of the event and a report will be filed in the student's permanent record
- The student will receive an automatic zero (failing grade) on the assignment or test; no make-up work will be offered to compensate for the zero.
- The student may be dropped from the National Honors Society (NHS) if the student is a member of that organization.
- The student may be dropped from the California Scholarship Federation (CSF) if the student is a member of that organization.

Overall, do not attempt to submit any work other than your own as your original work. Do NOT use AI or Chat GPT to produce work required for this class. Also, remember that I can Google too. Any unattributed passages quoted or paraphrased from work that the student did not create counts as plagiarism and will be considered a violation of the Academic Integrity Policy. This includes copying another student's work or copying from online sources or artificial intelligence programs.

Students should not attempt to preview assessment questions. Attempting to access, accessing, sharing, or distributing test or quiz questions in advance of the assessment will be deemed a violation of the Academic Integrity Policy. That means if you have already taken the test or the quiz, do not tell any other students about any of the questions. Do not attempt to gain access to any quiz or test questions before your scheduled assessment.

Cell Phone Policy

West Ranch High School has adopted a personal device policy that requires cell phones to be stored during the instructional periods. This policy can be found on the school website under "Students" and includes school consequences.

Tardy Policy

West Ranch and the William S Hart School District are committed to each student's success and timely attendance is a part of that. Please take a moment to talk to your student about the importance of being on time for class. You can review West Ranch's tardy policy on the school's website.

Course Grading

Grades will be tabulated on a points possible system. Projects, quizzes, participation, and tests will be given a point value based upon their importance. The student's grade will be calculated at the end of each five-week period. Appropriate interventions will be provided for any student still working toward mastery of content standards. The following scale is used to determine student grades:

A = 90 – 100%

B = 80 – 89%

C = 70 - 79%

D = 60 - 69%

F = 0 – 59%

Closing

I am very excited to work with you this semester in Computer Science. Together we can have a great time while learning. If you find that you need extra help, please come to my classroom Monday, Tuesday, Thursday, or Friday before school between 7:30am and 8:15am or e-mail me at anytime.

Casey Burrill
Computer Science Teacher
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***West Ranch AP Computer Science Principles
Agreement to Syllabus Content-***

Print Student Name _____

Class Period _____

Student Signature _____

Parent Signature _____

Date _____