

Computer Science Principles

Course Syllabus

2025–2026

Teacher: Nancy Thompson

Campus: Central High School

Phone Number: (325) 659-3434 ext. 417

E-mail: nancy.thompson@saisd.org

Class Description

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
- Algorithms and Program Development
- Abstraction in Program Development
- Code Analysis
- Computing Innovations
- Responsible Computing

There are four Big Ideas that serve as the foundation of the course and help students to create meaningful connections among concepts. The are

- Creative Development – Use a design process when developing computing innovations, either formal, iterative design, or a less rigid process of experimentation. Students will encounter phases of investigating and reflecting, designing, prototyping, and testing. Additionally, collaboration is an important tool at any phase of development.
- Data – Data communicates initial conditions to programs and represent new knowledge. Computers consume data, transform data, and produce new data, allowing users to created new information or knowledge to solve problems.
- Algorithms and Programming – Programmers integrate algorithms and abstraction to create programs for creative purposes and to solve problems. Using multiple program statements in a specified order, making decisions, and repeating the same process multiple times are the building blocks of programs.
- Computing Systems and Networks – Computer systems and networks are used to transfer data. One of the largest and most commonly used networks is the Internet.
- Impact of Computing –Lean to use computing safely and responsibly. Increase awareness of privacy, security, and ethical issues.

For more information access the Course Exam and Description using this link:

<https://apcentral.collegeboard.org/media/pdf/ap-computer-science-principles-course-and-exam-description.pdf>

Curriculum – We will use the online curriculum developed by Code.org. Code.org is a College Board-endorsed provider.

Schoology

We will use Schoology for receiving and submitting assignments. You can access Schoology by visiting <https://sanangelo.schoology.com/>. On Schoology you will find assignments, due dates, and turn-in information.

Grading Procedure:

70% major tests, projects, and compositions – drop 1 test if more than 3 tests are given

30% quizzes, homework, and class work – drop 2 assignments if more than 12 assignments are given

[San Angelo ISD Grading Guidelines](#)

Academic Dishonesty: Students are expected to complete all assignments on their own. Students may collaborate but should submit work they have produced. AI and the internet should not be used to solve problems given in class or for homework.

First Semester Exam: Comprehensive for first semester

Second Semester Exam: Comprehensive for first and second semester

Exemptions: Students may be exempt from **spring semester** final tests providing they meet the campus administration guidelines and take the AP Exam.

Tutorial Schedule:

Monday: 4:10 – 4:30 P.M. Tuesday: 7:40 – 8:10 A.M. Wednesday: 7:40 – 8:10 A.M. Thursday: 4:10 – 4:30 P.M.
Bobcat Block

If you need a different time, please speak to me.

Late Work: Students may receive full credit for assignments turned in on time. Assignments that are turned in late will receive a reduction of 10% for 1 day, 20% for 2 days, and 30% for 3 days. After the 3rd day, the teacher has the option to give you a 0.

Policy for Make-up Assignments: Students have the number of days absent plus one to complete assignments. Counting begins the day the student returns to the class missed. Make-up work is the student's responsibility. If you are not sure what you need to make up, please ask.

Materials Required:

Composition/spiral notebook

Pens or pencils

Charged Device on test days

I will provide any other materials you might need--sticky notes, highlighters, etc.

Room Etiquette

Passes: Requests will be considered at appropriate times and when the instructor is not delivering information. Passes will not be considered the first 10 minutes of class or the last 10 minutes of class. Students are required to ask or use an agreed upon signal when requesting a pass.

Dress Code: All students are expected to abide by the SACHS dress code. (Student Handbook pg. 48)

Safety Protocols: We will abide by all mandated and/or suggested protocols as they are presented to us. Additionally, we will participate in safety drills throughout the year to ensure the safety of all during various dangerous situations.

Electronics: Use of a personal communication device, including cell phones, smartwatches, wireless/Bluetooth earbuds and headphones, paging devices, tablets, gaming devices, Meta glasses or similar wearable technology capable of telecommunication or digital communication on school property during the school day is prohibited. Please refer to the district electronic device procedures for further information. <https://www.saisd.org/students-parents/electronic-device-procedures>

Food and Drinks: Water may be kept at your desk providing there is a lid and it is kept on the floor next to your seat. Clean up your own mess if you have a spill. Snacks are not allowed.

Tardies: Students arriving after the tardy bell without a pass will be given a TCU (Tardy Counted Unexcused). Note: Arriving at class more than 10 minutes late will result in an absence. This is state law.

Expectations in the Classroom:

1. Attend class every day; be punctual and prepared.
2. Be courteous and respectful to everyone.
3. Follow directions.
4. Be responsible for your education and your actions.
5. Obey all rules in the district/school handbook.

Please use the QR code to the right to acknowledge receipt of this syllabus.

