

**AP Computer Science A
Course Syllabus
2026-2027**

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Computer Science A Topics of Study

Unit 1: Using Objects and Methods – Students will learn about algorithms, programming, variables, data types, input/output, mathematical and Boolean operators, text manipulation, and documentation.

Unit 2: Selection and Iteration – Students will learn about algorithms with selection and repetition, if statements, while loops, and for loops.

Unit 3: Class Creation – Students will learn about program design, class anatomy, constructors, methods, and class variables.

Unit 4: Data Collection – Students will learn about ethical and social issues around data collection, ways to store data including arrays and ArrayLists, using text files, sorting data, and recursion.

A complete look at the AP Computer Science A course exam and description can be found at <https://apcentral.collegeboard.org/media/pdf/ap-computer-science-a-course-and-exam-description.pdf>

AP Exam is on May 12, 2027. Students are expected to take the exam. This exam will allow students to earn college credit based on their score.

Curriculum: A+ Plus Computer Science. All slides used will be posted in Schoology. Each student will be provided access to Blue Pelican Java to be used as reference.

Materials Required:

Composition Notebook (80 pages)
Blue or black pens or #2 pencils
Charged Device on test days
I will provide any other materials you might need--sticky notes, highlighters, etc.

Course Objectives:

- *Student will learn to develop code*
- *Student will learn to design code*
- *Student will learn to debug and analyze code*
- *Student will learn to document code and computing systems*
- *Student will learn to use computers responsibly*

Grading Procedure:

70% major tests, projects, and compositions

30% quizzes, homework, and class work

(If we have more than 12 minor grades, we will drop 2 and if more than 3 major grades, we will drop 1)

[San Angelo ISD Grading Guidelines](#)

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.

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 exam providing they meet the campus administration requirements and take the AP Exam.

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% after 1 day, 20% after 2 days, and 30% after 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 (the counting begins the day the student returns to the class missed) Make-up work is the student's responsibility. ASK for it!

Room Etiquette

Passes: Requests will be considered at appropriate times and when the instructor is not delivering information. Also passes cannot be given the first 10 minutes or last 10 minutes of class. Students are required to ask first or use a predetermined signal. A pass is required each time a student leaves the classroom.

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 the desk on the floor, providing it has a lid or cap. Clean up your own mess if you have a spill. No snacks are allowed in the lab.

Tardies: Students arriving after the tardy bell without a pass will be given a TCU (Tardy Counted Unexcused). Note: Arriving to 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.

Tutorial Schedule:

Monday – 4:10 – 4:30 P.M. Tuesday – 7:45 – 8:10 A.M. Thursday – 7:45 – 8:10 A.M

During Bobcat Block – you must flex in.

These times don't work? Talk to me to arrange a time.

Please use the QR code to acknowledge receipt of this document.

