



Chandler Unified School District

CSC125A AP Computer Science Principles 1

SY 2023-24



Course Overview

Course Description

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem-solving and real-world applications, AP Computer Science Principles prepares students for college and career placement.

AP/IB/Dual Enrollment

This is an AP course.

Prerequisite/Fee(s)

\$20

Course Materials

- Pen/Pencil
- Notebook/Binder

Course Attire: Students are responsible for the following

Students must dress appropriately as described in the school's dress code policy.

Adopted Resource(s)

code.org

**An asterisk will indicate a resource containing sexually explicit materials per legislative definitions. CUSD has determined that all resources listed above are of exceptional educational value.*

Site and Faculty Information

School name and address:

Perry High School, 1919 E Queen Creek Rd, Gilbert, AZ 85297

Building principal:

Heather Patterson
patterson.heather@cusd80.com

Teacher:

Brian Dahlem BA Computer Science
dahlem.brian@cusd80.com

Office hours: 2:30-3:30 M-F or by appointment

Course Access

This course is taught in-person at Perry High School. Students will have access to the curriculum and instruction in the classroom. Google Classroom is the primary location for students to access material when absent from classes taught in person.

Equipment Usage Agreement:

Students will receive training for the proper use and care of all equipment. I understand that while my student uses school equipment, they are responsible for its care. If school equipment is damaged, lost,

stolen, or destroyed under my student's care, I further understand that my student and I will be responsible for the replacement or cost of repair of the damaged equipment.

CTE Program Responsibilities:

Career & Technical Student Organization (CTSO)

Career & Technical Student Organizations (CTSOs) are co-curricular organizations that help enrich applied academics, communications, and teamwork. Students in CTE programs can participate in CTSO leadership activities and competitive events.

This program is aligned with the following CTSO: FBLA.

Industry Credentials

CTE programs allow each student to earn an industry certification aligned to their CTE program area. This CTE program will offer the following industry credential(s) for all students by program completion:

This is a beginning-level course, which will lead to an industry credential(s) in the advanced course(s) within this program

Technical Skills Assessment (TSA)

Technical Skills Assessments (TSA) are an Arizona Department of Education high-stakes state assessment designed for each program area. The TSA is to certify and document student attainment of industry-validated knowledge and skills through online testing. The TSA is taken after the CTE program (year 2 or 3) of each program.

Non-Discrimination Clause/ Aviso de no discriminación

The non-discrimination clause can be accessed using the link or QR code
(www.cusd80.com/Page/983)



Help

Academic Support

- Contact the teacher to schedule an appointment during office hours
- [Ed Tech](http://www.cusd80.com/Page/45109) support for students, parents/guardians, and community link ([cusd80.com/Page/45109](http://www.cusd80.com/Page/45109))

Mental Health Support

- CUSD mental health support [cusd80.com/Domain/10528](http://www.cusd80.com/Domain/10528) or 480-573-8808 (talk or text)
- Suicide & Crisis Lifeline: 9-8-8 hotline
- 24-hour Crisis Line Talk: 602-222-9444, Text: 741-741

Student Conduct, Success, and Responsibilities

Student Handbook

Students must follow the policies and procedures established in the Student Handbook. Copies of the handbook can be found at [cusd80.com/handbooks](http://www.cusd80.com/handbooks). Printed copies will be provided upon request.

Student Responsibilities

- When you arrive, log on to your assigned computer in preparation for the day's activities.
- Come to class on time. That means being inside the classroom, getting ready for class. Entering after the bell has rung will constitute a tardy.
- Respect each other's ideas, person, and property. Negative comments or actions of any kind will not be tolerated.
- Pay attention to whomever "has the floor". This means everyone (and their computers) will be quiet and attentive.
- Turn in assignments before their deadlines.
- Contribute to making the classroom an effective learning environment.
- Every student is expected to do their own work. Your grade is a gauge of your mastery of the content, not of someone else's. Any student caught plagiarizing any portion of any assignment will receive a zero

on that assignment. That said, collaboration is an important component of this class and of any creative process. Students are encouraged to help each other when difficulties arise. Just make sure to give credit where credit is due.

Late work

Work that is due on the day of an unexcused absence will not be allowed for make-up and will result in a zero for the assignment. Students have one week from the date of an excused absence to make up assignments or arrange for a make-up test. It is the student's responsibility to check on missed classwork, notes, assignments, etc. If you know you will be out, please check ahead of time.

Late work is not acceptable. Failure to submit or hand in an assignment on the due date will result in a loss of points. Work that is more than a week late will not be accepted for a grade. Printer problems will never be accepted as an excuse. Most assignments will be submitted online. Failure to submit an assignment on time online will impact the assignment score.

Assessments and Assignments

Students will complete assessments during each unit of study to assess their understanding. Students will complete the CUSD Common Final at the end of the first and second semesters. The Common Final will count for 20% of the student's final semester grade in grades 9-12 and 10% in grades 7-8 (some exceptions may apply at the Junior High level). Common finals will be in ELA, Math, Science, Social Science, and World Language.

Final exams will be given during the CUSD Jr High/High School Early Dismissal days in December and May, as identified on the [District Calendar](#).

If students are requested to participate in a survey, the survey questions will be provided to parents/guardians seven days before student contact.

Grading

Grade Percentage

A	B	C	D	F
90% - 100%	80% - 89%	70% - 79%	60% - 69%	<60%

Quarter grades

Grades will be calculated using points. Grades for assignments and activities will be assigned to weighted categories as follows:

- 40% - Classwork & Projects

Grades for classwork and projects will be entered into Infinite Campus weekly. Point values for individual assignments will vary. Quizzes and tests will be factored into this category.

- 40% - Participation & Professionalism

The nature of the course requires that students participate during class time and in groups outside of class. Because the other members of the group and the class rely upon the contributions of each student, participation will be factored into the student's grade. Participation points will be earned by students contributing positively to the class environment, adding to class discussions and presentations.

Professionalism points will be earned weekly based on the student's professional decorum i.e., being logged in and ready for class to begin on time, contributing positively to the classroom environment, cleaning up and properly putting away materials, etc. Points will be forfeited for inappropriate behavior, dress code, not staying "on task", succumbing to distraction, etc.

Extra credit in this category may be available for students who show willingness to assist others when difficulties arise.

-
- 20% - Final

At the end of each semester a comprehensive final exam or project will be assigned to determine mastery of course content.

Semester grades

Semester grades are calculated using 40/40/20: Each quarter accounts for 40% of the semester grade and the final exam accounts for the remaining 20%.

Units of study

Units for CSC125A AP Computer Science Principles 1

Unit 1 - Digital Information

Unit 2 - The Internet

Unit 3 - Intro to App Design

Unit 4 - Variables, Conditionals, and Functions

Unit 5 - Lists, Loops, and Traversals

**An asterisk will indicate a unit of study containing sexually explicit materials per legislative definitions.*



Chandler Unified School District

CSC125A AP Computer Science Principles 1

SY 2023-24



Site: Perry High School

Building Principal: Heather Patterson, patterson.heather@cusd80.com

Teacher: Brian Dahlem, dahlem.brian@cusd80.com

Parents/Guardians should indicate if they "Acknowledge" or have a "Potential Conflict" with their student's participation in the following units by checking the appropriate box for each unit of study listed. Students cannot opt out of a standards-based unit. Marking "Potential Conflict" will prompt the teacher to make contact regarding assignment alternatives.

Unit of study	Acknowledge	Potential Conflict
Unit 1 - Digital Information	<input type="checkbox"/>	<input type="checkbox"/>
Unit 2 - The Internet	<input type="checkbox"/>	<input type="checkbox"/>
Unit 3 - Intro to App Design	<input type="checkbox"/>	<input type="checkbox"/>
Unit 4 - Variables, Conditionals, and Functions	<input type="checkbox"/>	<input type="checkbox"/>
Unit 5 - Lists, Loops, and Traversals	<input type="checkbox"/>	<input type="checkbox"/>

**An asterisk will indicate a unit of study containing sexually explicit materials per legislative definitions.*

Parent/Guardian

Acknowledgment

By signing and returning this form, the parent/guardian acknowledges they have reviewed the resources and units of the study included in the syllabus.

- ☐ As the parent/guardian, I understand that I may contact the teacher if I have questions about the resources, content, or units of study.
- ☐ As the parent/guardian, I understand I can check my student's grades in Infinite Campus anytime during the school year.

Student name (printed)

Student signature

Parent/Guardian name (printed)

Parent Signature

Date

Please return this page to your student's teacher.