



ROSEVILLE
JOINT UNION
HIGH SCHOOL DISTRICT
IGNITE • INSPIRE • PREPARE

Computer Science Pathway

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Tutoring and extra
help available by
appointment:
Monday, Tuesday,
Thursday Mornings
from 8:00 - 8:30

Three Course Pathway

❖ Computer Science Essentials

- First course in the sequence: Introduction to programming with Python
- Two textbooks:
 - [PLTW Computer Science Essentials](#)
 - [Project STEM](#)
- Online Code Editors:
 - [Replit](#)
 - [App Inventor](#)
 - [Scratch](#)
- Course Home Page is in [Canvas](#)
 - [Parent Observer Access](#)

Course Two AP Computer Science Principles

❖ AP CSP

- First course in the sequence: Introduction to programming with Python
- Two textbooks:
 - [PLTW Computer Science Essentials](#)
 - [Project STEM](#)
- Online Code Editors and Support:
 - [Replit](#)
 - [App Inventor](#)
 - [AP College Board Classroom](#)
- Course Home Page is in [Canvas](#)
 - [Parent Observer Access](#)

Course Three Cybersecurity or AP CSA

This Spring we have two sections of Cybersecurity.

The main focus of this course is to introduce your learner to understanding Personal Security online, System Security via a remote server, Network Security via a remote server, and finally Applied Cybersecurity with a look at careers.

The course includes guided lessons that provide the student with the tools to complete mini lab activities performed with a student partner that conclude each section of learning.

There are a great deal of mini lessons that help students learn about careers in cybersecurity as well.

Course Expectations

- Arrive on time and ready to learn
- Use the computers and technology appropriately
- No cell phones or listening to music with wireless headphones
 - This is distracting and results in repeated directions, taking away from the time of those who are listening
 - School policy regarding cell phones applies in my classroom
- Listen and refrain from talking when I am providing directions
- Work with your elbow partners in a positive manner
- Turn in daily assignments during class
- No food or drinks in the classroom
- No gum
- Homework:
 - Weekly assignments in the College Board Classroom for AP students
 - Weekly assignments from Project STEM include videos and practice questions

Grading

All classroom activities, quizzes, and tests are point values. No weighted grades.

Each week students are expected to earn 10 - 15 activity points.

Quizzes are about one every 5 or 6 class periods and are worth 10 points.

Unit exams are 20 points each and will take place about one per month.

As long as your learner participates in the classroom activities, they will be prepared for the quizzes.

The unit exams are multiple choice and some programming challenges.

Computer Science Club

A few students have requested to start a computer science club, we will get this up and running soon!

Computer programming competitions: Code Wars and Capture the Flag competitions are encouraged