

CFISD Computer Science Principles AP

Scope and Sequence

Endorsement: STEM / Business and Industry

Cluster: STEM / Information Technology

Meets advanced course requirement? NO

Program of Study: Prog. and Software Dev,
Cybersecurity

Meets foundation requirement for math, science, fine arts, English, LOTE? YES

Course Description:

The AP Computer Science Principles course will introduce you to the essential ideas of computer science and show how computing and technology can influence the world around you. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life.

TEKS

- 1 credit
 - Grades 9-12
 - Lab supplies or fee may be required
- Required prerequisites: *Algebra I*

Industry Certification/Credential: AP College Board Exam

TEA recognized IBC (to count toward program of study completion)? YES CCMR

Instructional Units	Grading Period
Python - Basics Conditionals Procedures Parameters, Return	N1 (fall)
Lists Strings Coding Project Pseudocode	N2 (fall)
Coding Project Binary Searches Algorithmic Efficiency Errors Digital Data Computing Systems and Networks	N3 (spring)
Impact of Computing AP Exam Review AP College Board Exam	N4 (spring)

Primary Instructional Materials: N/A

Supplemental Materials: Scratch and Python