

CFISD Introduction to Computer Science Scope and Sequence

Course Description:

The Introduction to Computer Science course provides students the opportunity to improve their knowledge and understating of computer science applications/skills. In addition, the course focuses on problem solving skills applicable in many personal, educational, and workplace settings. With an ever increasing focus on technology, these coding skills are valuable for all students. (1/2 Credit)

- Grades 8th
- Strongly recommended for all students

TEKS N/A

Cluster: Information Technology

Endorsement: Business & Industry

- Meets advanced course requirement (Y/N): N
- Meets foundation requirement for math, science, fine arts, English, LOTE (Y/N-area): N

Industry Certification/Credentials: N/A

| Instructional Units | Pacing |
|--|---|
| <p>1st Semester Learn coding blocks to build stories Learn the correct programming skills to build a project Learn problem solving skills by analyzing code Learn basic coding terminology Build creative skills in basic coding projects Learn basic HTML</p> <p>Learn coding blocks to build games and animations Learn to code basic projects by keying them into application</p> | <p>1st grading pd</p> <p>2nd grading pd</p> |

Primary Instructional Materials:

- Alice- alice3.org
- Scratch- scratch.mit.edu
- Code.org