CFISD Project-based Research in Computer Science K
Scope and Sequence

Course Description:
This course is a supervised research study/project-based class where students will apply knowledge and skills from previous computer science courses in a related advanced/specialized field of study. Students are required to submit a formal project plan within 15 school days after enrollment in the course. The plan should specify the additional languages and/or technologies that will be studied and utilized, along with an overview of the culminating project.

- Grades 11-12
- Required prerequisite: Computer Science III K or concurrent
- Satisfies advanced course requirement for STEM
- Lab supplies or fee may be required.

TEKS
Cluster: STEM / Information Technology
Endorsement: STEM / Business & Industry
- Meets advanced course requirement (Y/N): Yes
- Meets foundation requirement for math, science, fine arts, English, LOTE (Y/N-area): N

Industry Certification/Credentials: n/a

<table>
<thead>
<tr>
<th>Instructional Units</th>
<th>Pacing</th>
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<tbody>
<tr>
<td>Independent study project for personal enrichment and professional development</td>
<td>Full year</td>
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<tr>
<td>Verbal and nonverbal communication skills</td>
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<td>Professional and ethical behavior standards</td>
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<td>Design and develop a research project</td>
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Primary Instructional Materials: will vary depending on project