

MODESTO CITY SCHOOLS COURSE OUTLINE

Course Title	Computer Science – Gr 4 OLL
Course Number	OLL (S1) OLL (S2)
Recommended Grade	<input type="checkbox"/> K <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6
Duration	<input type="checkbox"/> Quarter <input checked="" type="checkbox"/> Semester
Credit	<input type="checkbox"/> 2.5 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 10
Repeatable for Credit	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Required for Graduation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meets Graduation Requirement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CALPADS Course Number	9062
CALPADS Course Name	Computer Science
Meets UC/CSU Requirements	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, which area? <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G N/A
CTE Course	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
CTE Course Level	<input type="checkbox"/> Introduction <input type="checkbox"/> Concentrator <input type="checkbox"/> Capstone N/A
Part of a Course Pathway	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, which pathway?
Credential Requirements	
Replaces	N/A
Recommended Prerequisites	
Aligned to Standards Date	
Content Delivery Method	<input type="checkbox"/> Instructor Led <input checked="" type="checkbox"/> Online Provider Modesto Virtual Academy
Other Information	
Board Approval Date	
Implementation Date	Fall 2020

Course Description:

Required Text(s): (Title, Publisher, Year):

Supplementary Materials(s):



Course Name: Elementary Technology Grade 4 v17

Course Credit: 1.0

Course Estimated Completion Time: 36 weeks

Course Description: The FLVS Elementary Intro to Technology courses will enable students to develop basic skills in computer science through engaging and age-appropriate content. The courses will expose students, within developmentally appropriate stages, to concepts such as problem solving and algorithms, security/privacy/copyright, computer programming basics and keyboarding skills. Students will learn skills in online coding environments. In addition to the computer skills, the Technology suite integrates standards from Social Studies, Health and Language Arts with topics in each grade about safety and health (online and offline), bullying/cyberbullying and being a responsible citizen/digital citizen. Students will complete a research project using Microsoft Word Online. The research projects require students to evaluate reliable and relevant websites, organize research, receive and implement feedback and produce a final product.

Prerequisites:

Honors Lessons: No

Course Profile (Includes Honors, if applicable)

Type of Assessment	Quantity	Location(s)
Teacher-graded	12	1.01, 1.03, 2.01, 2.03, 2.05, 2.06, 3.01, 3.02, 3.03, 3.05, 4.01, 4.03
Auto-graded	13	1.00, 1.02, 1.05, 2.00, 2.02, 2.04, 2.08, 3.00, 3.04, 3.07, 4.00, 4.02, 4.02
Partial Auto-graded	0	
Discussion-Based (DBA)	4	1.04, 2.07, 3.06, 4.05
Collaboration	0	
Project-based	2	2.08, 4.06
Total Assessments	25	

Types of Assessments (Includes Honors, if applicable)

Type of Assessment	Available	Type of Assessment	Available
Multiple Choice	Yes	Essay	No
Worksheets	Yes	Collaborative	No
Web 2.0	No	Short Response	No
Project - Based	Yes	Labs	No
Self - Check	No	DBAs	Yes

Scope and Sequence

- Adaptive technologies
- The impact technology has on people's lives
- Digital footprint
- Utilizing technology to communicate
- Proper netiquette
- Internet safety
- Cyberbullying
- Digital citizenship
- Correct hand and finger placement to type the number keys 1, 2, 3, 4, 5, 6, 7, 8, 9, 0
- Creating code in Scratch
- Understanding coding concepts such as functions, events, and parallelism
- Identifying a bug in code and debugging the code
- Computer organization and personalization
- Operating systems
- Artificial intelligence
- Cyber safety
- Boolean logic
- Website reliability
- Correct hand and finger placement to type the symbol keys
- Practicing keyboarding accuracy
- Plagiarism, Free resources, public domain, and Creative Commons
- Academic Integrity
- Fair use and free use
- Works cited page and using citations
- Word Online
- Paraphrasing and finding the main idea in writing
- Cause and effect writing, Chronological writing
- Creating an outline for writing
- Formatting and proofing tools
- Adding videos and images in word
- Narrative, persuasive, and informative writing
- Functions, events, and initial conditions
- Media and multimedia
- Pride and ownership in work
- Publishing
- Collaboration, Feedback, Constructive criticism, Peer conferencing
- Scratch