

CompuScholar, Inc.

Alignment to the Florida M/J Grade 6 Digital Discoveries course

Florida Course Details:

Course Name:	M/J Grade 6 Digital Discoveries
Course Code:	0200021
Credit:	0.5
Grade Level:	6th
Standards Link:	https://www.cpalms.org/PreviewCourse/Preview/23340

CompuScholar Course Details:

Course Title:	Tech Essentials
Course ISBN:	9781946113436
Course Year:	2026

Course Description (from CPALMS)

Digital Discoveries introduces students to computer science as a vehicle for problem-solving, communication, and personal expression. The course focuses on the visible aspects of computing and computer science. It encourages students to see where computer science exists around them and how they can engage with it as a tool for exploration and expression.

Course Standards

Note 1: Citation(s) listed may represent a subset of the instances where objectives are met throughout the course.

Note 2: Citation(s) for a "Lesson" refer to the "Lesson Text" elements and associated "Activities" within the course, unless otherwise noted. The "Instructional Video" components are supplements designed to introduce or re-enforce the main lesson concepts, and the Lesson Text contains full details.

STANDARDS	CITATION(S)
SC.6.CC.1.1: Demonstrate an ability to communicate through various online tools.	Chapter 3, Lesson 5 Chapter 6, Lesson 6 Chapter 7, Lesson 3 Chapter 7 Activity 1 Chapter 7 Activity 3 Chapter 11 (All Lessons and Activities)
SC.6.CC.2.1: Create a digital product individually and collaboratively.	Chapter 2 (All Lessons and Activities - Individual Work) Chapters 3 (All Lessons and Activities - Individual Work) Chapters 6 (All Lessons and Activities - Individual Work) Chapter 7 (All Lessons and Activities - Collaborative Work) Chapter 11 (All Lessons and Activities - Collaborative Work)

SC.6.CO.1.1: Identify multiple file format types.	Chapter 1, Lesson 3 Chapter 2, Lesson 1 Chapter 3, Lesson 1 Chapter 4 (All Lessons)
SC.6.CO.1.2: Identify applications that have different desktop and online versions.	Chapter 2, Lesson 1 Chapter 3, Lesson 1 Chapter 4, Lesson 1 Chapter 6, Lesson 1
SC.6.CS.1.1: Define the states of data.	Chapter 13, Lesson 2 Supplemental Chapter 3, Lesson 1
SC.6.CS.1.2: Illustrate the concept of access control and how to limit access to authorized users.	Chapter 13, Lesson 2
SC.6.CS.1.3: Discuss the importance of cybersecurity.	Chapter 13, Lesson 1 Chapter 13, Lesson 2
SC.6.CS.1.4: Determine information that should remain confidential.	Chapter 13, Lesson 1 Chapter 13, Lesson 2
SC.6.CS.1.5: Identify the need for encryption.	Chapter 13, Lesson 2
SC.6.CS.1.6: Recognize the importance of digital identity.	Chapter 12, Lesson 1 Chapter 13, Lesson 1
SC.6.CS.2.1: Identify the need for security safeguards on personal devices.	Chapter 13, Lesson 1 Chapter 13, Lesson 2
SC.6.ET.1.1: Identify technology used to support specialized forms of human- computer interaction (HCI).	Supplemental Chapter 4, Lesson 1 Supplemental Chapter 4, Activity 1
SC.6.ET.1.2: Identify technology skills needed in the workplace.	Chapter 14, Lesson 1 Chapter 14, Lesson 2
SC.6.ET.2.1: Identify the characteristics of Artificial Intelligence (AI).	Supplemental Chapter 4, Lesson 2 Supplemental Chapter 4, Activity 2
SC.6.ET.2.2: Discuss the benefits associated with Artificial Intelligence (AI).	Supplemental Chapter 4, Lesson 2 Supplemental Chapter 4, Activity 2
SC.6.ET.3.2: Describe how humans and machines interact to accomplish tasks that neither can accomplish alone.	Supplemental Chapter 4, Lesson 2 Supplemental Chapter 4, Activity 2
SC.6.HS.1.1: Identify the connection between strong passwords and Internet safety.	Chapter 13, Lesson 2
SC.6.HS.1.2: Discuss the need for downloads to come from trusted sources.	Chapter 13, Lesson 2
SC.6.HS.1.4: Evaluate a given website to determine if it is safe for users.	Chapter 13, Lesson 2
SC.6.HS.2.2: List negative impacts of excessive device usage.	Chapter 13, Lesson 1

SC.6.PE.1.1: Identify the types of operations that can be performed on different data types.	Chapter 8, Lesson 3 Chapter 8, Lesson 4 Chapter 8, Lesson 5 Chapter 8, Activity 1 Chapter 8, Activity 2 Chapter 9, Lesson 2 Chapter 9, Activity 2
SC.6.PE.1.2: Develop a program using a string data type.	Chapter 8, Lesson 3 Chapter 8, Lesson 4 Chapter 9, Activity 2
SC.6.PE.1.3: Develop a program using a numeric data type.	Chapter 8, Lesson 3 Chapter 8, Lesson 4 Chapter 8, Lesson 5 Chapter 8, Activity 2
SC.6.PE.1.4: Index selected items within a list.	Supplemental Chapter 2, Lesson 2 Supplemental Chapter 2 Activity (L2.1)
SC.6.PE.1.7: Write code segments that use standard mathematical operators.	Chapter 8, Lesson 5 Chapter 8, Activity 2 Chapter 9, Activity 1
SC.6.PE.1.8: Use a function for a specified purpose.	Chapter 8, Lesson 2 Chapter 9, Lesson 1 Supplemental Chapter 2, Lesson 3 Supplemental Chapter 2 Activity (L3.1)
SC.6.PE.1.9: Use looping techniques for a specified purpose.	Chapter 9, Lesson 3 Chapter 9, Lesson 4 Chapter 9, Lesson 5 Chapter 9, Activity 1 Chapter 9, Activity 2
SC.6.PE.1.10: Use conditional statements for a specified purpose.	Chapter 9, Lesson 2 Chapter 9, Activity 1 Chapter 9, Activity 2
SC.6.PE.1.11: Design solutions that use repetition and two-way selection.	Chapter 9, Lesson 2 Chapter 9, Lesson 3 Chapter 9, Lesson 4 Chapter 9, Lesson 5 Chapter 9, Activity 1 Chapter 9, Activity 2
SC.6.PE.2.1: Create designated graph types using data.	Chapter 2, Lesson 3 Chapter 3 Activity Chapter 6, Lesson 4 Chapter 6 Activity Chapter 7, Activity 2
SC.6.PE.3.1: Identify what kinds of real-world problems can be solved using modeling and simulation.	Supplemental Chapter 2, Lesson 4

SC.6.PE.3.2: Interact with content-specific models and simulations to support learning, research and problem-solving.	Supplemental Chapter 2, Lesson 4
SC.6.PE.3.3: Design a digital model.	Chapter 2, Lesson 4 Chapter 2 Activity Chapter 7, Activity 1 Chapter 7, Activity 2 Chapter 11, Lesson 2 Chapter 11, Activity 2 Supplemental Chapter 2, Lesson 4
SC.6.PE.3.5: Create a visual representation of a solution to a problem.	Chapter 10, Lesson 2 Chapter 10, Activity 1 Chapter 11, Lesson 2 Chapter 11, Activity 2
SC.6.PE.3.6: Evaluate the logical flow of a step-by-step program by acting it out through computer-free activities.	Chapter 10, Lesson 2 Chapter 10, Lesson 4 (Code Review) Chapter 11, Lesson 2 Chapter 11, Activity 2
SC.6.PE.4.1: Recognize the phases of the software development life cycle.	Chapter 11, Lesson 1 Chapter 11, Lesson 2
SC.6.TI.1.1: Recognize the data content sources that make your digital footprint.	Chapter 12, Lesson 1
SC.6.TI.1.2: Explore the history of computer and other devices.	Supplemental Chapter 1, Lesson 4
SC.6.TI.1.4: Describe various technology-related career paths.	Chapter 14, Lesson 1 Chapter 14 Activity
SC.6.TI.2.1: Recognize the consequences of plagiarism on the development of creative works.	Chapter 12, Lesson 3
SC.6.TI.2.2: Demonstrate compliance with the school's Acceptable Use Policy.	Chapter 12, Lesson 2
SC.6.TI.2.3: Explain fair use for using copyrighted materials.	Chapter 12, Lesson 3
SC.K12.CTR.1.1: Actively participate in effortful learning both individually and collaboratively.	Chapter 2 (All Lessons and Activities - Individual Work) Chapter 3 (All Lessons and Activities - Individual Work) Chapter 6 (All Lessons and Activities - Individual Work) Chapter 7 (All Lessons and Activities - Collaborative Work) Chapter 11 (All Lessons and Activities - Collaborative Work)
SC.K12.CTR.2.1: Demonstrate understanding by decomposing a problem.	Chapter 10, Lesson 1 Chapter 10, Lesson 2 Chapter 10, Lesson 3 Chapter 11 (All Activities)

SC.K12.CTR.3.1: Complete tasks with digital fluency.	All Chapter Activities, e.g.: Chapter 2 Activity Chapter 3 Activity Chapter 6 Activity Chapter 7 (All Activities) Chapter 11 (All Activities)
SC.K12.CTR.4.1: Express solutions as computational steps.	Chapter 8, Lesson 2 Chapter 8, Lesson 5 Chapter 8, Activity 2 Chapter 9, Activity 2 Chapter 10 (All Lessons and Activities)
SC.K12.CTR.5.1: Create an algorithm to achieve a given goal.	Chapter 10 (All Lessons and Activities) Chapter 11 (All Activities)
SC.K12.CTR.6.1: Differentiate between usable data and miscellaneous information.	Chapter 2, Lesson 4
SC.K12.CTR.7.1: Solve real-life problems in science and engineering using computational thinking.	Chapter 2, Lesson 3 Chapter 2, Lesson 4 Chapter 10, Lesson 1 Chapter 10, Lesson 2 Supplemental Chapter 2, Lesson 3 Supplemental Chapter 2, Lesson 4 Supplemental Chapter 4, Lesson 2 Supplemental Chapter 4, Lesson 3
MA.K12.MTR.1.1: Actively participate in effortful learning both individually and collectively.	Chapter 2 (All Lessons and Activities - Individual Work) Chapters 3 (All Lessons and Activities - Individual Work) Chapters 6 (All Lessons and Activities - Individual Work) Chapter 7 (All Lessons and Activities - Collaborative Work) Chapter 11 (All Lessons and Activities - Collaborative Work)
MA.K12.MTR.2.1: Demonstrate understanding by representing problems in multiple ways.	Chapter 2, Lesson 3 Chapter 2, Lesson 4 Chapter 10, Lesson 1 Chapter 10, Lesson 2 Chapter 10, Lesson 3
MA.K12.MTR.3.1: Complete tasks with mathematical fluency.	Chapter 2, Lesson 3 Chapter 2, Lesson 4 Chapter 8, Lesson 5 Chapter 8, Activity 2 Supplemental Chapter 2 (All Lessons and Activities)
MA.K12.MTR.4.1: Engage in discussions that reflect on the mathematical thinking of self and others.	Chapter 2, Lesson 4 Chapter 7, Activity 2 Chapter 7, Activity 3 Chapter 10, Lesson 1 Chapter 10, Lesson 2 Supplemental Chapter 2, Lesson 1 Supplemental Chapter 2, Lesson 4

MA.K12.MTR.5.1: Use patterns and structure to help understand and connect mathematical concepts.	Chapter 8, Lesson 5 Chapter 8, Activity 2 Chapter 9, Lesson 1 Chapter 9, Lesson 2 Chapter 10, Lesson 2 Chapter 10, Lesson 3 Supplemental Chapter 2 (All Lessons and Activities)
MA.K12.MTR.6.1: Assess the reasonableness of solutions.	Chapter 10, Lesson 1 Chapter 10, Lesson 4 Chapter 11, Lesson 3 Chapter 11, Activity 4 Supplemental Chapter 2, Lesson 4 Supplemental Chapter 4, Lesson 2 Supplemental Chapter 4, Activity 2
MA.K12.MTR.7.1: Apply mathematics to real-world contexts.	Chapter 2, Lesson 3 Chapter 2, Lesson 4 Chapter 8, Lesson 5 Chapter 8, Activity 2 Supplemental Chapter 2 (All Lessons and Activities)
ELA.K12.EE.1.1: Cite evidence to explain and justify reasoning.	Chapter 5, Lesson 3 Chapter 7, Activity 1 Chapter 7, Activity 2 Chapter 12, Lesson 3
ELA.K12.EE.2.1: Read and comprehend grade-level complex texts proficiently.	Throughout the course as needed, e.g.: Chapter 5, Lesson 2 Chapter 5 Activity Chapter 7, Activity 1 Chapter 12, Lesson 2 Chapter 14 Activity
ELA.K12.EE.3.1: Make inferences to support comprehension.	Chapter 2, Lesson 4 Chapter 5, Lesson 2 Chapter 5, Lesson 3 Chapter 5 Activity Chapter 10, Lesson 4
ELA.K12.EE.4.1: Use appropriate collaborative techniques and active listening skills when engaging in discussions in a variety of situations.	Chapter 2, Lesson 4 Chapter 7 (All Lessons and Activities) Chapter 10, Lesson 1 Chapter 10, Lesson 2 Chapter 11 (All Lessons and Activities) Supplemental Chapter 2, Lesson 1 Supplemental Chapter 2, Lesson 4

ELA.K12.EE.5.1: Use the accepted rules governing a specific format to create quality work.	Chapter 2 Activity Chapter 3 Activity Chapter 4 Activity Chapter 6, Lesson 6 Chapter 6 Activity Chapter 7, Lesson 4
ELA.K12.EE.6.1: Use appropriate voice and tone when speaking or writing.	Chapter 7, Lesson 1 Chapter 7, Lesson 2 Chapter 7, Lesson 4
ELD.K12.ELL.MA.1: English language learners communicate information, ideas and concepts necessary for academic success in the content area of Mathematics.	CompuScholar in Spanish and Other Languages Chapter 2, Lesson 3 Chapter 2, Lesson 4 Chapter 8, Lesson 5 Chapter 8, Activity 2 Supplemental Chapter 2 (All Lessons and Activities)