AP Computer Science Principles Pacing Guide

Week	Unit	Topics	CodeCombat Levels
Week 1	Computer Science 1	• Getting Started • Syntax & Sequences • Arguments & Properties • While Loops • Variables	CS1 Levels 1 - 19
Week 2	Computer Science 1	• CS1 Capstone Project	
Week 3	Computer Science 2	• Coordinate Systems • Conditional Statements (If) • Conditional Statements (Else) • Nested Conditionals	CS2 Levels 1 - 22b
Week 4	Computer Science 2	• Functions • Functions with Parameters • Events	CS2 Levels 23 - 46
Week 5	Computer Science 2	• CS2 Capstone Project	
Week 6	Computer Science 3	• Concatenation & Arithmetic • Properties Revisited • Functions that Return • Comparison Operators • Logical Operators	CS3 Levels 1 - 35
Week 7	Computer Science 3	• Relative Movement • Time and Health • Break and Continue • Simulations	CS3 Levels 36 - 63

Week	Unit	Topics	CodeCombat Levels
Week 8	Computer Science 3	• CS3 Capstone Project	
Week 9	Computer Science 4	• While Loop Conditions • Lists • Using Lists • Revisiting Movement	CS4 Levels 1 - 37
Week 10	Computer Science 4	• For Loops • Common Algorithms • Undecidable Problems	
Week 11	Computer Science 4	• CS4 Capstone Project	
Week 12	Creative Development	• Create Task Overview • Written Response Overview • Pacing the Create Task	
Week 13	Creative Development	• Suggested work time for the Create Task	
Week 14	Creative Development	• Suggested work time for the Create Task	
Week 15	Creative Development Data	• Create Task Submission • Digital Information (Text) • Digital Information (Images) • Digital Information (Sound) • Limitations of Digital Representations	
Week 16	Data	• Data Compression • Data Analysis (Sourcing Data) • Data Analysis (Cleaning Data) • Data Analysis (Processing Data)	
Week 17	Data	• Data Capstone Project	
Week 18	Computer Systems and Networks	• The Internet (Overview) • The Internet (Routing)	
Week 19	Computer Systems and Networks	• The Internet (Packets) • World Wide Web vs. The Internet • Parallel & Distributed Computing	

Week	Unit	Topics	CodeCombat Levels
Week 20	Computer Systems and Networks	• Computer Systems & Networks Capstone Project	
Week 21	Impact of Computing	• Computing Innovations	
Week 22	Impact of Computing	• Digital Divide • Bias • Citizen Science • Legal & Ethical Concerns	
Week 23	Impact of Computing	• Personal Identifiable Information • Protecting Digital Information • Encryption & Decryption	
Week 24	Impact of Computing	• Impact of Computing Capstone Project	
Week 25	Exam Prep	• Introduction to the AP CSP Exam Multiple Choice Format • Kahoot! Quiz Practice • Students Create Kahoot! Quizzes	
Week 26	Exam Prep	• Exam Prep continued	

Questions?

We invite you to reach out to
CodeCombat's school specialists at:
apcsp@codecombat.com

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