



## AP CSP PACING GUIDE: WEEKLY

*See notes for additional pacing suggestions at the bottom of this document.*

Date	Week	Lesson
08/12/24	1	<ul style="list-style-type: none"><li>• 0.0 Welcome to AP Computer Science Principles</li><li>• 0.1 Computer Science Fundamentals</li><li>• 0.2 Course Structure</li><li>• 0.3 Meet the Virtual Instructor</li><li>• 0.4 Student Forum</li><li>• 0.5 Forum Guidelines</li><li>• 0.6 Honor Code</li><li>• 0.7 Entry Questionnaire</li><li>• 1.1 The Iterative Development Process</li><li>• 1.2 Algorithms</li><li>• 1.3 Languages</li></ul>
08/19/24	2	<ul style="list-style-type: none"><li>• 1.4 Idea to Execution</li><li>• Unit 1: Quiz 1</li><li>• 1.5 Getting Started in Scratch</li><li>• 1.6 Programming with Blocks</li><li>• 1.7 User Input and Storage</li><li>• 1.8 Defining Variables<sup>a</sup></li></ul>
08/26/24	3	<ul style="list-style-type: none"><li>• 1.8 Defining Variables<sup>a</sup></li><li>• 1.9 Applying Variables<sup>a</sup></li><li>• Unit 1: Quiz 2</li><li>• Unit 1 Exam</li></ul>
09/02/24	4	<ul style="list-style-type: none"><li>• 2.1 Defining Sequencing</li><li>• 2.2 Applying Sequencing</li></ul>

		<ul style="list-style-type: none"> <li>• 2.3 Pseudocode<sup>a</sup></li> <li>• 2.4 Defining Selection</li> </ul>
09/07/24	5	<ul style="list-style-type: none"> <li>• Unit 2: Quiz 1</li> <li>• 2.5 Applying Selection<sup>a</sup></li> <li>• 2.6 Defining Iteration<sup>a</sup></li> <li>• 2.7 Applying Iteration<sup>a</sup></li> </ul>
09/16/24	6	<ul style="list-style-type: none"> <li>• 2.7 Applying Iteration<sup>a</sup></li> <li>• 2.8 Procedures</li> <li>• 2.9 Solvability &amp; Performance</li> <li>• Big Picture: Moore's Law<sup>g</sup></li> <li>• Logic Gates and Hardware</li> <li>• Unit 2: Quiz 2</li> </ul>
09/23/24	7	<ul style="list-style-type: none"> <li>• Password Generator Project - Overview</li> <li>• Password Generator: Milestone 1</li> <li>• Password Generator: Milestone 2</li> <li>• Password Generator: Milestone 3</li> <li>• Password Generator: Milestone 4</li> <li>• Password Generator: Milestone 4</li> <li>• Password Generator: Milestone 5</li> <li>• <i>Due: Password Generator: Final Project Submission</i></li> </ul>
09/30/24	8	<ul style="list-style-type: none"> <li>• Unit 2 Exam</li> </ul>

		<ul style="list-style-type: none"> <li>• 3.1 Binary<sup>a</sup></li> <li>• 3.2 Base Conversions</li> <li>• 3.3 ASCII vs. Unicode<sup>b</sup></li> </ul>
10/07/24	9	<ul style="list-style-type: none"> <li>• 3.4 Programming Binary</li> <li>• 3.5 Digitization</li> <li>• 3.6 Analog vs. Digital Data</li> <li>• Big Picture: Reselling Digital Music<sup>g</sup></li> <li>• Unit 3: Quiz 1</li> <li>• 3.7 Making a List</li> </ul>
10/14/24	10	<ul style="list-style-type: none"> <li>• 3.8 Processing a List<sup>a</sup></li> <li>• 3.9 Sorting a List<sup>a</sup></li> <li>• 3.10 Lists in Pseudocode</li> </ul>
10/21/24	11	<ul style="list-style-type: none"> <li>• Unit 3: Quiz 2</li> <li>• Unintend'o Project - Overview</li> <li>• Unintend'o: Milestone 1</li> <li>• Unintend'o: Milestone 2</li> <li>• Unintend'o: Milestone 3</li> <li>• Unintend'o: Milestones 4a + 4b</li> <li>• <i>Due: Unintend'o: Final Project Submission</i></li> <li>• Unit 3 Exam</li> </ul>
10/28/24	12	<ul style="list-style-type: none"> <li>• Preparing for the Through-Course Performance Tasks</li> </ul>

		<ul style="list-style-type: none"> <li>• The Create Task Requirements</li> <li>• Evaluating the Create Task</li> <li>• Overview: Mini Create Task</li> <li>• Plan</li> <li>• Develop</li> <li>• Prepare for Submission</li> </ul>
11/04/24	13	<ul style="list-style-type: none"> <li>• Mini Create: Submission</li> <li>• Peer Review</li> <li>• 4.1 Introduction to Python <sup>c</sup></li> <li>• 4.2 Python Basics</li> <li>• 4.3 Selection Structures <sup>a</sup></li> </ul>
11/11/24	14	<ul style="list-style-type: none"> <li>• 4.4 Iteration Structures</li> <li>• 4.5 Data Abstraction</li> <li>• 4.6 Procedural Abstraction <sup>a</sup></li> <li>• Unit 4: Quiz 1</li> </ul>
11/18/24	15	<ul style="list-style-type: none"> <li>• 4.7 RGB Color</li> <li>• 4.8 Image Manipulation</li> <li>• 4.9 Encoding Schemes</li> </ul>

12/02/24	16	<ul style="list-style-type: none"> <li>• 4.10 Digital Manipulation</li> <li>• Big Picture: Ethics of Digital Manipulation</li> <li>• Big Picture: Intellectual Property</li> <li>• 4.11 Audio Manipulation <sup>d</sup></li> <li>• 4.12 Audio Processing <sup>d</sup></li> <li>• 4.13 Audio Compression</li> </ul>
12/09/24	17	<ul style="list-style-type: none"> <li>• Unit 4: Quiz 2</li> <li>• Image Filter Project - Overview <sup>e</sup></li> <li>• Image Filter: Milestone 1<sup>e</sup></li> <li>• Image Filter: Milestone 2<sup>e</sup></li> <li>• Image Filter: Milestone 3<sup>e</sup></li> <li>• <i>Due: Image Filter: Final Project Submission</i> <sup>e</sup></li> <li>• Unit 4 Exam</li> </ul>
12/16/24	18	<ul style="list-style-type: none"> <li>• Final Exam Review</li> </ul>