

AP Computer Science

Student Name: APCSA S2 Pacing Guide 01162023

Start Date: Monday, January 16, 2023

End Date: Monday, April 17, 2023

Estimated Hours Per Week: 6.9 hours

Estimated Time To Complete: 14 weeks

Task Number and Description	Est. Minutes
Items for Completion Week Of Jan 16, 2023 to Jan 22, 2023	
06.00 Getting Started With Arrays	10
06.01 One-Dimensional Arrays	105
06.02 Formatting Output	90
06.03 The for-each Loop	60
06.04 Arrays of Objects	120
06.05 Computer Science Lab: Magpie (This assignment is continued in the next week)	29
Items for Completion Week Of Jan 23, 2023 to Jan 29, 2023	
06.05 Computer Science Lab: Magpie (This assignment is continued from the previous week)	121
06.06 Discussion-Based Assessment	60
06.07 Part 1 Challenge Exam	90
06.07 Part 2 Challenge Exam	90
07.00 Introduction to Standard Algorithms	45
07.01 ArrayLists I (This assignment is continued in the next week)	8
Items for Completion Week Of Jan 30, 2023 to Feb 05, 2023	
07.01 ArrayLists I (This assignment is continued from the previous week)	112
07.02 ArrayLists II	120
07.03 Challenge Program	120
07.04 Traversals Lesson (This assignment is continued in the next week)	62
Items for Completion Week Of Feb 06, 2023 to Feb 12, 2023	
07.04 Traversals Lesson (This assignment is continued from the previous week)	28
07.05 Replacements Lesson	90
07.06 Insertions Lesson	90
07.07 Deletions Lesson	105
07.08 Challenge Program (This assignment is continued in the next week)	101
Items for Completion Week Of Feb 13, 2023 to Feb 19, 2023	
07.08 Challenge Program (This assignment is continued from the previous week)	49

07.09 Insertion Sort	105
07.10 Selection Sort	105
07.11 Computer Science Lab: Magpie Part 2	150
07.12 Checklist (This assignment is continued in the next week)	5
Items for Completion Week Of Feb 20, 2023 to Feb 26, 2023	
07.12 Checklist (This assignment is continued from the previous week)	10
08.00 Introduction to Searching	45
08.01 Sequential Search	105
08.02 Binary Search	105
08.03 Challenge Program (This assignment is continued in the next week)	149
Items for Completion Week Of Feb 27, 2023 to Mar 05, 2023	
08.03 Challenge Program (This assignment is continued from the previous week)	1
08.04 2D Array Part 1	60
08.05 2D Array Part 2	90
08.06 Computer Science Lab: Picture	120
08.07 Computer Science Lab: Picture	120
08.08 Discussion-Based Assessment (This assignment is continued in the next week)	23
Items for Completion Week Of Mar 06, 2023 to Mar 12, 2023	
08.08 Discussion-Based Assessment (This assignment is continued from the previous week)	7
08.09 Checklist	15
09.00 Introduction to Inheritance and Polymorphism	45
09.01 Extending Classes	60
09.02 Class Hierarchies	105
09.03 Polymorphism	105
09.04 Overriding Methods (This assignment is continued in the next week)	77
Items for Completion Week Of Mar 13, 2023 to Mar 19, 2023	
09.04 Overriding Methods (This assignment is continued from the previous week)	28
09.05 Design Strategy: Iterative and Incremental	45
09.06 Static Means Never Having to Instantiate an Object	60
09.07 Class Variables and Constants	120
09.08 Thinking Outside the Box	120
09.09 Part 1 Challenge Exam-Multiple-Choice (This assignment is continued in the next week)	41
Items for Completion Week Of Mar 20, 2023 to Mar 26, 2023	
09.09 Part 1 Challenge Exam-Multiple-Choice (This assignment is continued from the previous week)	19
09.09 Part 2 Challenge Exam-Free Response	60
09.10 Checkpoint	15
10.00 Getting Started with Recursion	15

10.01 Divide et Impera	15
10.02 Real-World Recursion	120
10.03 The Recursive Leap of Faith	90
10.04 There and Back Again	60
10.05 Are We There Yet? (This assignment is continued in the next week)	20
Items for Completion Week Of Mar 27, 2023 to Apr 02, 2023	
10.05 Are We There Yet? (This assignment is continued from the previous week)	100
10.06 Recursive Strings and Things	180
10.07 Challenge Program (This assignment is continued in the next week)	134
Items for Completion Week Of Apr 03, 2023 to Apr 09, 2023	
10.07 Challenge Program (This assignment is continued from the previous week)	16
10.08 Computer Science Lab: Elevens	180
10.09 AP Exam Review	120
10.10 Practice Exams (This assignment is continued in the next week)	98
Items for Completion Week Of Apr 10, 2023 to Apr 16, 2023	
10.10 Practice Exams (This assignment is continued from the previous week)	172
10.11 Discussion-Based Assessment	60
10.12 Part A Segment Two Exam-Multiple-Choice	120
10.12 Part B Segment Two Exam-Free Response (This assignment is continued in the next week)	62
Items for Completion Week Of Apr 17, 2023 to Apr 23, 2023	
10.12 Part B Segment Two Exam-Free Response (This assignment is continued from the previous week)	58