AP Computer Science A

Student Name: Aaron Harabedian's Pace
Start Date: Monday, October 02, 2017
End Date: Friday, April 27, 2018
Estimated Hours Per Week: 7.63 hours
Estimated Time To Complete: 30 weeks

Task Number and Description	Est. Minutes
Items for Completion Week Of Oct 02, 2017 to Oct 08, 2017	
01.00 Orientation	15
01.01 Course Folder Management	15
01.02 Installing Java	15
01.03 Installing the BlueJ IDE	30
01.04 BlueJ Tutorial	60
01.05 Hello World	60
01.06 Stylish Java	30
01.07 Checkpoint Alpha	15
02.00 Introduction	15
02.01 Order of Operations	60
02.02 Printing Arithmetic Expressions	45
02.03 Primitive Data Types: ints	60
02.04 Primitive Data Types: doubles (This assignment is continued in the next week)	38
Items for Completion Week Of Oct 09, 2017 to Oct 15, 2017	
02.04 Primitive Data Types: doubles (This assignment is continued from the previous week)	22
02.05 Arithmetic Expressions	90
02.06 Primitive Data Type Conversions	90
02.07 Pitfalls, Surprises, and Shortcuts	75
02.08 Challenge Program	90
02.09 Checkpoint Beta	10
03.00 Introduction	10
03.01 Pseudocode, Recipe for Success	45
03.02 Primitive Data Types: char (This assignment is continued in the next week)	26
Items for Completion Week Of Oct 16, 2017 to Oct 22, 2017	
03.02 Primitive Data Types: char (This assignment is continued from the previous week)	4
03.03 String Objects Lite	45

03.04 Escape Sequences	60
03.05 The Java API	45
03.06 String Class Methods: The Basics	90
03.07 Scanner Class Methods	75
03.08 Parsing	60
03.09 Challenge Program (This assignment is continued in the next week)	79
Items for Completion Week Of Oct 23, 2017 to Oct 29, 2017	
03.09 Challenge Program (This assignment is continued from the previous week)	11
03.10 Discussion–Based Assessment	30
03.11 Module 03 Exam	60
04.00 Getting Started with if Statements	10
04.01 Number Systems	75
04.02 Primitive Data Types: booleans	75
04.03 Condition Statements: if	105
04.04 Condition Statements: if-else (This assignment is continued in the next week)	92
Items for Completion Week Of Oct 30, 2017 to Nov 05, 2017	
04.04 Condition Statements: if-else (This assignment is continued from the previous week)	28
04.05 Condition Statements: if-else-if	120
04.06 Comparing Strings	120
04.07 Logical Operators	105
04.08 Checkpoint Delta	15
05.00 Loops	15
05.01 While Loops (part 1) (This assignment is continued in the next week)	55
Items for Completion Week Of Nov 06, 2017 to Nov 12, 2017	
05.01 While Loops (part 1) (This assignment is continued from the previous week)	5
05.02 While Loops (part 2)	60
05.03 Reading Text Files	120
05.04 For Loops	120
05.05 Nested Loops	120
05.06 Writing Text Files (This assignment is continued in the next week)	33
Items for Completion Week Of Nov 13, 2017 to Nov 19, 2017	
05.06 Writing Text Files (This assignment is continued from the previous week)	87
05.07 Challenge Program	150
05.08 Checkpoint Epsilon	10
05.09 Discussions	90
06.00 Getting Started With Arrays	10
06.01 One-Dimensional Arrays	105
06.02 Formatting Output (This assignment is continued in the next week)	6
Items for Completion Week Of Nov 20, 2017 to Nov 26, 2017	

06.02 Formatting Output (This assignment is continued from the previous week)	84
06.03 The for-each Loop	60
06.04 Challenge Program	150
06.05 Discussion-Based Assessment	60
06.06 Part 1 Challenge Exam	90
06.06 Part 2 Challenge Exam (This assignment is continued in the next week)	14
Items for Completion Week Of Nov 27, 2017 to Dec 03, 2017	
06.06 Part 2 Challenge Exam (This assignment is continued from the previous week)	76
07.00 Getting Started with Methods	10
07.01 Java's Math Class	105
07.02 Defining New Static Methods: Part 1	90
07.03 Defining New Static Methods: Part 2	120
07.04 Defining New Static Methods: Part 3 (This assignment is continued in the next week)	57
Items for Completion Week Of Dec 04, 2017 to Dec 10, 2017	
07.04 Defining New Static Methods: Part 3 (This assignment is continued from the previous week)	63
07.05 Challenge Program	150
07.06 Checkpoint	15
08.00 Getting Started with Objects	10
08.01 Real-World Objects	15
08.02 Instances of a Class	60
08.03 Default Constructors	90
08.04 Discussion Topic (This assignment is continued in the next week)	55
Items for Completion Week Of Dec 11, 2017 to Dec 17, 2017	
08.04 Discussion Topic (This assignment is continued from the previous week)	35
08.05 Constructors with Parameters	120
08.06 Overloading Methods and Using Two Classes	120
08.07 Constructing Multiple Objects	120
08.08 Arrays of Objects (This assignment is continued in the next week)	63
Items for Completion Week Of Dec 18, 2017 to Dec 24, 2017	
08.08 Arrays of Objects (This assignment is continued from the previous week)	57
08.09 Javadocs	90
08.10 ArrayLists I	120
08.11 ArrayLists II	120
08.12 Challenge Program (This assignment is continued in the next week)	71
Items for Completion Week Of Dec 25, 2017 to Dec 31, 2017	
08.12 Challenge Program (This assignment is continued from the previous week)	49
08.13 Checkpoint Theta	10
08.14 Part 1 Challenge Exam	120

08.14 Part 2 Challenge Exam	120
09.00 Analog vs. Digital	30
09.01 Computer Anatomy 101	30
09.02 Computer History: Back in the Day	30
09.03 Five Generations of Modern Computers	30
09.04 Challenge Program (This assignment is continued in the next week)	39
Items for Completion Week Of Jan 01, 2018 to Jan 07, 2018	
09.04 Challenge Program (This assignment is continued from the previous week)	51
09.05 Checkpoint Iota	10
10.00 Discussion-Based Assessment	60
10.01 Part A Segment One Exam	120
10.01 Part B Segment One Exam	120
11.00 Technology and Society	10
11.01 Privacy Issues	30
11.02 Security Issues	30
11.03 Legal Issues (This assignment is continued in the next week)	27
Items for Completion Week Of Jan 08, 2018 to Jan 14, 2018	
11.03 Legal Issues (This assignment is continued from the previous week)	3
11.04 Future Issues	10
11.05 Computer Science Labs	30
12.00 Getting Started with Recursion	15
12.01 Divide et Impera	15
12.02 Real-World Recursion	120
12.03 The Recursive Leap of Faith	90
12.04 There and Back Again	60
12.05 Are We There Yet? (This assignment is continued in the next week)	115
Items for Completion Week Of Jan 15, 2018 to Jan 21, 2018	
12.05 Are We There Yet? (This assignment is continued from the previous week)	5
12.06 Challenge Program	180
12.07 Mystery Message	60
12.08 Create Your Own Challenge Exam	120
12.09 Computer Science Lab: Magpie (This assignment is continued in the next week)	93
Items for Completion Week Of Jan 22, 2018 to Jan 28, 2018	
12.09 Computer Science Lab: Magpie (This assignment is continued from the previous week)	57
12.10 Check Point Lamda	10
13.00 Introduction to Inheritance and Polymorphism	45
13.01 Extending Classes	60
13.02 Class Hierarchies	105
13.03 Polymorphism	105

13.04 Overriding Methods (This assignment is continued in the next week)	76
Items for Completion Week Of Jan 29, 2018 to Feb 04, 2018	
13.04 Overriding Methods (This assignment is continued from the previous week)	29
13.05 Computer Science Lab: Magpie	120
13.06 Discussion-Based Assessment	60
13.07 Checklist	15
14.00 Getting Back to Basics	15
14.01 Design Strategy: Iterative and Incremental	45
14.02 Static Means Never Having to Instantiate an Object	60
14.03 Class Variables and Constants (This assignment is continued in the next week)	114
Items for Completion Week Of Feb 05, 2018 to Feb 11, 2018	
14.03 Class Variables and Constants (This assignment is continued from the previous week)	6
14.04 Revisiting Randomness	30
14.05 this or That Variable	90
14.06 Thinking Outside the Box	120
14.07 Challenge Program	180
14.08 Checkpoint	15
14.09 Part 1 Challenge Exam (This assignment is continued in the next week)	17
Items for Completion Week Of Feb 12, 2018 to Feb 18, 2018	
14.09 Part 1 Challenge Exam (This assignment is continued from the previous week)	43
14.09 Part 2 Challenge Exam	60
14.10 Computer Science Lab: Picture	120
15.00 Introduction to Abstractions	30
15.01 Abstract Classes	90
15.02 Built-In Interfaces	60
15.03 Interfaces (This assignment is continued in the next week)	55
Items for Completion Week Of Feb 19, 2018 to Feb 25, 2018	
15.03 Interfaces (This assignment is continued from the previous week)	35
15.04 Comparable<T> Interface	90
15.05 Challenge Program	120
15.06 Part 1 Challenge Exam	60
15.06 Part 2 Challenge Exam	90
15.07 Computer Science Lab: Picture (This assignment is continued in the next week)	63
Items for Completion Week Of Feb 26, 2018 to Mar 04, 2018	
15.07 Computer Science Lab: Picture (This assignment is continued from the previous week)	57
15.08 Checklist	15
16.00 Introduction to Standard Algorithms	45
16.01 Traversals Lesson	90

16.02 Replacements Lesson	90
16.03 Insertions Lesson	90
16.04 Deletions Lesson (This assignment is continued in the next week)	71
Items for Completion Week Of Mar 05, 2018 to Mar 11, 2018	
16.04 Deletions Lesson (This assignment is continued from the previous week)	34
16.05 Challenge Program	150
16.06 Computer Science Lab: Picture	150
16.07 Discussion-Based Assessment	60
16.08 Checklist	15
17.00 Introduction to Sorting	15
17.01 Bubble Sorting (This assignment is continued in the next week)	34
Items for Completion Week Of Mar 12, 2018 to Mar 18, 2018	
17.01 Bubble Sorting (This assignment is continued from the previous week)	11
17.02 Insertion Sort	105
17.03 Selection Sort	105
17.04 Merge Sort	105
17.05 Challenge Program (This assignment is continued in the next week)	132
Items for Completion Week Of Mar 19, 2018 to Mar 25, 2018	
17.05 Challenge Program (This assignment is continued from the previous week)	18
17.06 Computer Science Lab: Elevens	180
17.07 Checklist	15
18.00 Introduction to Searching	45
18.01 Sequential Search	105
18.02 Binary Search (This assignment is continued in the next week)	95
Items for Completion Week Of Mar 26, 2018 to Apr 01, 2018	
18.02 Binary Search (This assignment is continued from the previous week)	10
18.03 Challenge Program	150
18.04 Challenge Exam	90
18.05 Computer Science Lab: Elevens	180
18.06 Checklist	15
19.00 Introduction to Program Analysis (This assignment is continued in the next week)	13
Items for Completion Week Of Apr 02, 2018 to Apr 08, 2018	
19.00 Introduction to Program Analysis (This assignment is continued from the previous week)	32
19.01 Assertions and Exceptions	75
19.02 Challenge Program	105
19.03 Computer Science Lab: Elevens	180
19.04 Checklist	15
20.00 Getting Started with Your Review	15

20.01 Exam Format, Grading, Hints	30
20.02 Java Features, Part 1 (This assignment is continued in the next week)	6
Items for Completion Week Of Apr 09, 2018 to Apr 15, 2018	
20.02 Java Features, Part 1 (This assignment is continued from the previous week)	114
20.03 Java Features, Part 2	120
20.04 Program Design and OOP Concepts	120
20.05 Algorithms (This assignment is continued in the next week)	104
Items for Completion Week Of Apr 16, 2018 to Apr 22, 2018	
20.05 Algorithms (This assignment is continued from the previous week)	16
20.06 Solutions to Past Free Response Questions	180
20.07 Practice Exams (This assignment is continued in the next week)	262
Items for Completion Week Of Apr 23, 2018 to Apr 29, 2018	
20.07 Practice Exams (This assignment is continued from the previous week)	8
20.08 Reflections	120
20.09 Discussion-Based Assessment	60
20.10 Final Exam	120