


AP Computer Science 2021-2022

Unit 1 Assignment Sheet - Intro to Programming & Java (*subject to change*)

Name _____



Day	Date	Class Topics	Think Java Section (online pdf)	Class assign – HW if not finished in class or absent
	W 8/25	First Day!! <ul style="list-style-type: none"> • Introductions and Get to Know each other / IceBreaker - Butter & Jelly • What is Computer Science? • Course Technology • Setting up programming environment • Class Expectations • AP Classroom 		<ul style="list-style-type: none"> ▪ Survey ▪ Contact Info ▪ Parent Email ▪ JGrasp ready ▪ Read in Think Java Sections 1.1-1.7
1	F 8/27	First Program <ul style="list-style-type: none"> • Community Builder: Designing an Algorithm • Folder Management • Setting up basic program: Commenting, print statements • Output/Hello World 	1.1 – 1.5 1.7	<ul style="list-style-type: none"> ▪ Worksheet 1-1 (you may use our textbook or online sources to look up the vocabulary) ▪ AP Live Video/Topic Questions 1.1: Daily Video 3 (Skill 4.B) 1.2: Daily Video 1 (Skill 1.A) 1.2: Daily Video 2 (Skill 1.B)
2	T 8/31	Program Planning <ul style="list-style-type: none"> • Pseudocode • Error types • Rubber Duck Debugging  • Code of Ethics 	1.8, 2.10, 3.9 Appendix C	<ul style="list-style-type: none"> ▪ Worksheet 1-2 ▪ AP Live Video/Topic Questions 1.4: Daily Video 1 (Skill 2.B) 1.4: Daily Video 2 (Skill 2.B) 1.4: Daily Video 3 (Skill 5.A) 1.1: Daily Video 2 (Skill 2.B)
3	Th 9/2	Primitive Variables <ul style="list-style-type: none"> • Inputting/Outputting primitives • Setting primitives = and changing them • Order of operations • Compound, Increment/Decrement Operators • Scanner Class 	1.6, 2.1-2.2, 2.4, 2.8, 3.2	<ul style="list-style-type: none"> ▪ Worksheet 1-3 ▪ AP Live Video 1.3: Daily Video 1 (Skill 2.A)
4	W 9/8	Input in Java <ul style="list-style-type: none"> • Strings • Concatenation • Setting strings = and changing them • Combining input & output <p><i>Intro to Coding Assignment 1</i></p>	2.1-2.2, 2.4-2.6, 2.9, 3.2	<ul style="list-style-type: none"> ▪ Worksheet 1-4 ▪ AP Live Video/Topic Questions 1.3: Daily Video 2 (Skill 2.A) 1.3: Daily Video 3 (Skill 1.B) <p>Start Coding Assignment 1 Review for Quiz 1</p>

5	F 9/10	Quiz 1 More Topics <ul style="list-style-type: none"> Concatenation with numeric Escape characters 	2.8, 3.10	<ul style="list-style-type: none"> Worksheet 1-5 AP Live Video/Topic Questions 1.5: Daily Video 1 (Skill 2.B) 1.5: Daily Video 2 (Skill 5.B)
6	Tu 9/14	Basic math in Java <ul style="list-style-type: none"> mod division int math roundoff errors typecasting 	2.7,3.7-3.9	<ul style="list-style-type: none"> Worksheet 1-6 AP Live Video/Topic Questions 2.9: Daily Video 1 (Skill 1.B) 2.9: Daily Video 2 (Skill 3.A) 2.9: Daily Video 3 (Skill 3.A) Start Unit 1 Review Review for Quiz 2
7	Th 9/16	<u>UNIT 1 REVIEW DUE BEFORE CLASS</u> Test Review Time to work on Coding Assignment		<ul style="list-style-type: none"> Review for test <u>FINISH CODING ASSIGNMENT 1</u>
8	M 9/20	Quiz 2 Math functions	4.1-4.2	<ul style="list-style-type: none"> Worksheet 1-7 Finish Unit 1 Review
<u>CODING ASSIGNMENT 1 DUE BEFORE THE UNIT 1 TEST</u>				
9	W 9/22	UNIT 1 TEST <u>All late assignments due</u>		<ul style="list-style-type: none"> AP DAILY VIDEOS FOR NEXT UNIT (tbd)