

AP COMPUTER SCIENCE A PLANNER

Fall 2016

WEEK	DATE	TOPIC	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1	23-Aug-20	Fundamentals	-----	-----	1. http://thecubscientist.com 2. What is Computer Science? 3. Installing Greenfoot 4. MyFirstApp.java	-----	1. Repetition - "for" loops/"while" loops 2. Decision Making statements "if" and "if-else" statements 3. Relational operators ==, !=, <, <=, >, >=
2	30-Aug-20	Fundamentals	1. Random Number guessing game - JOptionPane.showInputDialog - scaling Math.random() - Boolean operators (&& and) 2. Arrays	-----	LAB TIME	-----	LAB TIME
3	6-Sep-20	Fundamentals	-----	LAB TIME	-----	HW SET 1 PROGRAMS DUE (FUNDAMENTALS)	-----
4	13-Sep-20	Class Design	HW 2 Example Class Design - "The Big Three" (Class Song) - instance variables - Constructors (zero / multi-argument) - toString() method	-----	Class Design Song Example	-----	LAB TIME
5	20-Sep-20	Class Design	**** TEST 1 **** Loops Decision Making Statements Arrays	-----	KAIROS Lab Time	-----	KAIROS Lab Time
6	27-Sep-20	Class Design	LAB TIME	-----	LAB TIME	-----	HW SET 2 PROGRAMS DUE (CLASS DESIGN)
7	4-Oct-20	Class Methods	HW 3 Example Upgrading the Song Class - Constructors with Arrays - Getters/Setters - Algorithmic Methods	LAB TIME	LAB TIME	-----	-----
8	11-Oct-20	Class Methods	SCHOOL HOLIDAY	LAB TIME	LAB TIME	-----	-----
9	18-Oct-20	Class Methods	LAB TIME	HW SET 3 PROGRAMS DUE (CLASS METHODS)	SCHOOL TESTING DAY	-----	-----
10	25-Oct-20	Class Composition	HW 4 Example (Class Composition) MyPhone - Arrays of Songs - ArrayLists of Songs - for-each loop	LAB TIME	**** TEST 2 **** Class Design - Constructors - Methods	-----	-----
11	1-Nov-20	Class Composition	LAB TIME	LAB TIME	LAB TIME	-----	-----
12	8-Nov-20	Class Composition	LAB TIME	LAB TIME	LAB TIME	-----	-----
13	15-Nov-20	Class Composition	LAB TIME	HW SET 4 PROGRAMS DUE (CLASS COMPOSITION)	KAIROS Lab Time	-----	-----
14	22-Nov-20	Inheritance	HW 5 Example Inheritance Progression	LAB TIME	**** TEST 3 **** Class Composition (Arrays & ArrayLists)	THANKGIVING	THANKGIVING
15	29-Nov-20	Inheritance	LAB TIME	LAB TIME	LAB TIME	-----	-----
16	6-Dec-20	Inheritance	LAB TIME Project Proposals Due	LAB TIME	LAB TIME	-----	-----
17	13-Dec-20	Inheritance	LAB TIME Lottery Picks	HW SET 5 PROGRAMS DUE (INHERITANCE)	**** TEST 4 (FINAL) **** Inheritance	-----	-----

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Spring 2017

WEEK	DATE	TOPIC	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1	7-Feb-21	2D Arrays	-----	BRIEFING	PRESENTATIONS 1/2	-----	-----
2	14-Feb-21	2D Arrays	PRESENTATIONS 3/4	2D ARRAYS	KAIROS	-----	-----
3	21-Feb-21	2D Arrays	-----	2D ARRAYS	PRESENTATIONS 5/6	-----	-----
4	28-Feb-21	2D Arrays	PRESENTATIONS 7/8	2D ARRAYS	PRESENTATIONS 9/10	-----	-----
5	7-Mar-21	2D Arrays	PRESENTATIONS 11/12	2D ARRAYS	PRESENTATIONS 13/14	-----	-----
6	14-Mar-21	2D Arrays	PRESENTATIONS 15/16	2D ARRAYS	PRESENTATIONS 17/18	-----	-----
7	21-Mar-21	2D Arrays	PRESENTATIONS 19/20	2D ARRAYS	PRESENTATIONS 21'22	-----	-----
8	28-Mar-21	2D Arrays	PRESENTATIONS 23/24	2D ARRAYS	SENIOR QUIET RETREAT	SENIOR QUIET RETREAT	-----
9	4-Apr-21	2D Arrays	SEARCHING/SORTING	SEARCHING/SORTING	KAIROS	KAIROS	KAIROS
10	11-Apr-21	Searching & Sorting	SEARCHING/SORTING	SEARCHING/SORTING	SEARCHING/SORTING	SPRING BREAK	SPRING BREAK
11	18-Apr-21	Searching & Sorting	SPRING BREAK	SPRING BREAK	SPRING BREAK	SPRING BREAK	SPRING BREAK
12	25-Apr-21	Review	MC REVIEW	MC REVIEW	MC REVIEW	-----	-----
13	2-May-21	AP Exams	AP EXAMS	APCS EXAM!!	AP EXAMS	-----	-----
14	9-May-21	AP Exams	AP EXAMS	AP EXAMS	AP EXAMS	-----	-----
15	16-May-21	Final Project	WORK ON FINAL PROJECTS	WORK ON FINAL PROJECTS	WORK ON FINAL PROJECTS	-----	-----
16	23-May-21	Final Project	WORK ON FINAL PROJECTS	WORK ON FINAL PROJECTS	THE END	-----	-----