

AP Computer Science A - Hays

Assignment Sheet

First Semester

Due	Assignment Description Special Instructions
Thu 8/15	Welcome.java assignment, do in class
Fri 8/16	Programming Honor Code document returned signed
Mon 8/19	Day3.java completed and saved to Z: drive
Fri 8/23	Notebook or other system for taking notes demonstrated
Wed 8/21	1.3 Practice half sheet completed (do in class)
Fri 8/23	AP Classroom: Unit 1 Progress Check: MCQ Part A completed before class starts Friday.
Fri 8/23	1.4/1.5 Practice half sheet (do in class)
Fri 8/23	AP Classroom: Unit 1 Progress Check: MCQ Part B (do in class Friday)
Fri 8/23	Unit 1 note check (I'll walk around in class and review your notes for a score).
Wed 8/28	Unit 1 Review worksheet, done before class starts Wednesday (started in class Monday 8/26)
Wed 8/28	Unit 1 Quiz
Fri 8/30	2.2 Practice worksheet, do in class
Fri 8/30	Day8.java assignment, do in class
Wed 9/4	Day9.java assignment, do in class
Fri 9/6	2.3/2.4 Practice half sheet, do in class
Fri 9/6	Day10.java assignment, do in class
Mon 9/9	AP Classroom: Unit 1 Project Check MCQ Part A (start Friday, finish BEFORE class starts on Monday)
Mon 9/9	Day11.java coding activity, do in class.
Wed 9/11	Day12.java coding activity, do in class.

Fri 9/13	codingbat.com, 5 String problems from String-1 completed, see PDF with detailed instructions; you are to complete these 5 problems BEFORE class starts on Friday. Feel free to email me if you have questions. Tell me what problem you are on and what you have tried and I will give you some help.
Fri 9/13	Day13 Practice half sheet, do in class Friday.
Fri 9/13	Day13.java coding activity, do in class.
Mon 9/16	AP Classroom, Unit 2 Progress Check: MCQ Part B, 12 questions, complete before class starts Monday.
Wed 9/18	Quiz #2 Review worksheet due at the start of class Wednesday
Wed 9/18	Day15.java coding activity, do in class.
Fri 9/20	codingbat.com, 6 more problems, shown here (the ones that are not struck through). Don't forget to log in before you do the problems so that I can see that you did them. Finish these before class Friday. <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: left;"> <p>✓ nonStart</p> <p>✓ theEnd</p> <p>✓ endsLy</p> <p>✓ middleThree</p> </div> <div style="text-align: left;"> <p>✓ left2</p> <p>✓ withouEnd2</p> <p>✓ nTwice</p> </div> <div style="text-align: left;"> <p>✓ right2</p> <p>✓ middleTwo</p> <p>✓ twoChar</p> </div> </div>
Fri 9/20	Unit 2 Test covering Unit 2 and all previous material
Mon 9/23	Day17.java coding activity
Wed 9/25	Day18.java coding activity
Wed 9/25	GuessingGame.java (start in class Wednesday, finish at home if you don't finish in class, be sure to save your final version to the Z: drive once you are back in class to receive credit.)
Fri 9/27	Day19NoteFromMrHays.pdf details the activities for today. The short story is that there are codingbat activities, a Day19.java activity, and an activity on Runestone (see PDF for details.)
Mon 9/30	Day20NoteFromMr.Hays.pdf details the activities for today. The short story is to finish everything that I assigned Friday and to also do the Day20.java coding activity. See the PDFs for today and Friday for details.
Wed 10/2	Truth Tables, 3.5 Compound Boolean Expressions half sheet, do in class
Wed 10/2	Day21.java coding activity

Fri 10/4	First 9 Logic-1 codingbat.com puzzles, due before the start of class Friday 10/4/19
Mon 10/7	Day23.java coding activity
Mon 10/7	Unit 2 FRQ worksheet, do in class Monday
Wed 10/9	Finish AP Classroom Unit 3 MCQ problems 1 through 21 before the start of class Wednesday.
Wed 10/9	Unit 3 FRQ question 1 worksheet, do in class Wednesday
Wed 10/9	Unit 3 Review worksheet, do in class Wednesday
Fri 10/11	Unit 3 Test, covering all new Unit 3 material as well as select topics from previous units.
Wed 10/16	<p>Runestone: While loops. Homework:</p> <p>Go to this link: https://runestone.academy/runestone/books/published/apcsareview/LoopBasics/IWhile.html</p> <p>Read up to Activity 1. Run Activity 1, see how it works. Edit it so that it looks for the letter a, not the number 1, and replaces each a with a dollar sign. This requires 3 edits to the code. Run it to make sure the output is "H\$ve \$ 1ong \$nd h\$ppy 1ife".</p> <p>Email me the entire block of code (not the output, the code that you edited, starting with public class Test and ending with the last curly brace.) My email is whays.ahs@wscuhsd.k12.ca.us.</p> <p>Stop there. This is due by midnight Monday. I say do it sooner so you don't forget.</p> <p>Have a great weekend. See you on Wednesday.</p>
Wed 10/16	Only six people came to class today, so we just did a study hall. In other words, if you were absent taking the PSAT or trekking in the Swiss Alps, you missed nothing and we'll pick up where we left off next class.
Fri 10/18	4.1 While loop half sheet, do in class Wednesday
Fri 10/18	Day26Converter.java coding activity, do in class, save to Z: drive
Fri 10/18	Day26.java coding activity (averages), do in class, save to Z: drive
Mon 10/21	Day28.java coding activity, do in class, save to Z: drive.
Wed 10/23	Day29a.java coding activity, do in class, save to Z: drive.

Wed 10/23	Codingbat.com, first four problems in String-2: doubleChar countHi catDog countCode
Wed 10/23	Day29b.java coding activity, do in class, save to Z: drive.
Fri 10/25	Loops Practice half sheet (do in class)
Fri 10/25	Day30.java coding activity, do in class, save to Z: drive.
Kincade Fire disruption 10/28 through 11/1/19	
Mon 11/4	String Practice worksheet (do in class)
Wed 11/6	Spend 15 minutes starting Unit 4 FRQ #1 before class starts Wednesday. This means read the problem through, and either start working on it, or make some notes about questions you have and/or things you plan to do when you solve it. We will have time in class Wednesday to actually complete this. Your homework is to spend about 15 minutes on this BEFORE CLASS STARTS Wednesday.
Wed 11/6	Complete AP Classroom Unit 4 MCQs 1-18 BEFORE CLASS STARTS Wednesday.
Wed 11/6	Unit 4 Review worksheet (do in class)
Fri 11/8	Unit 4 Test
School closure from teacher strike 11/13 through 11/15/19	
Wed 11/20	longestStreak assignment, on paper, a functional and complete solution, due at the start of class Wednesday. We will discuss various ways to solve this problem in class, then you will have Monday during class to work on it. A PDF of the assignment from the College Board is on my web site in the file "Unit4FRQ1.pdf" if you can't find your original worksheet. The file "Unit4FRQ1.java" is on my web site; use it to test your work if you have access to Java outside of class. Come to Tutorial if you need help.
Wed 11/20	Day35.java coding activity, do in class, save to Z: drive
Fri 11/22	Day36Knife.java coding activity, do in class, save to Z: drive Day36Cat.java coding activity, same same same
Have a great Thanksgiving break!	

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Mon 12/2	Day37 Practice half sheet, do in class
Mon 12/2	Day37.java coding activity, do in class, save to Z: drive
Wed 12/4	Day38.java coding activity, do in class, save to Z: drive
Fri 12/6	AP Classroom, <u>Unit 5 Progress Check: MCQ Part A</u> , all 15 problems, finish before class starts Friday
Fri 12/6	Day39Rando.java coding activity, do in class, save to Z: drive
Fri 12/6	Day39Student.java coding activity, do in class, save to Z: drive
Mon 12/9	AP Classroom, <u>Unit 5 Progress Check: MCQ Part B</u> , all 12 problems, finish before class starts Friday. The answers to 3, 5 and 6 are all "E". I recommend that you simply answer those questions correctly and not worry about them at this time.
Mon 12/9	Day40.java coding activity, save to Z: drive
Wed 12/10	Unit 5 FRQ#1 worksheet, due at start of class Wednesday
Wed 12/10	Day41More.java coding activity, do in class, save to Z: drive
Wed 12/10	Unit 5 Review worksheet due during class
Fri 12/12	Day42Pizza.java coding activity, do in class, save to Z: drive
Fri 12/12	Final Exam Review #1 worksheet, due during class
Fri 12/12	Day42Pants.java coding activity, do in class, save to Z: drive
Mon 12/16	Day43.java coding activity, do in class, save to Z: drive
Monday 12/16 is the last day to turn in any make-up work.	
Tue 12/17	Final exam, covering everything from the whole semester, with a larger dose of Unit 5, as experienced in all of our review activities. Tuesday, 12/17, 10:20 to 12:20.
Have a great winter break! (No homework is assigned over break)	

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Wed 1/8/20	Day46Warmup.java, do in class, first thing, save to Z: drive.
Wed 1/8/20	Day46Basics.java, complete during class, save to Z: drive.
Fri 1/10	Codingbat.com, Array-1, first six tasks: firstLast6, sameFirstLast, makePi, commonEnd, sum3, rotateLeft3
Fri 1/10	Day47.java coding activity, save to Z: drive.
Fri 1/10	Day47DupCheck.java coding activity, save to Z: drive.
Mon 1/13	Codingbat.com, Array-2, first three tasks: countEvens, bigDiff, and centeredAverage, done before start of class today.
Mon 1/13	Day48Warmup.java coding activity, save to Z: drive.
Mon 1/13	Day48ForEachLoops.java coding activity, save to Z: drive.
Wed 1/15	Day49A through Day49F all due during class, save to Z: drive.
Wed 1/15	Unit 6 FRQ #1 worksheet, do in class
Fri 1/17	Unit 6 Practice #1 worksheet, do in class
Fri 1/17	Day50Swap.java, do in class, save to Z: drive
Wed 1/22	Codingbat.com, Array-2, three more tasks: lucky13, sum28, and more14 due before the start of class today.
Wed 1/22	AP Classroom, Unit 6, MCQ questions (14) all due before class starts.
Wed 1/22	Unit 6 FRQ#2 worksheet, do in class.
Wed 1/22	Day51Shuffle.java coding activity, do in class, save to Z: drive.
Wed 1/22	Unit 6 Review worksheet, due at the start of the period, next class
Fri 1/24	Unit 6 Test

Mon 1/27	Homework worksheet, due when class starts Monday
Mon 1/27	Day53.java coding activity, saved to the Z: drive
Wed 1/29	Day54Integers.java coding activity, saved to the Z: drive
Wed 1/29	Day54Frogs.java coding activity, saved to the Z: drive
Fri 1/31	Day55Duplicates.java coding activity, saved to the Z: drive
Fri 1/31	Day55LinearSearch.java coding activity, saved to the Z: drive
Mon 2/3	AP Classroom, Unit 7 MCQs completed before class starts Monday (18 questions).
Mon 2/3	Unit 7 FRQ #1 worksheet, do in class Monday.
Wed 2/5	Unit 7 Review worksheet, due at the start of class
Wed 2/5	Unit 7 Quiz
Wed 2/5	Day57.java coding activity, saved to the Z: drive
Fri 2/7	2D Array Practice half sheet, do in class
Fri 2/7	Day58One.java, saved to Z: drive Day58Two.java saved to Z: drive
Wed 2/12	Day59Starter.java, saved to Z: drive Day59Battleship.java, saved to Z: drive
Fri 2/14	AP Classroom, all 10 Unit 8 MCQ problems completed before class starts Friday 2/14/20.
Fri 2/14	Day60ScoreAverage.java, saved to Z: drive Day60FrogParty.java, saved to Z: drive
Wed 2/19	Day61Review.java, saved to Z: drive
Fri 2/21	Unit 8 Review worksheet due at start of class

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Fri 2/21	Unit 8 Test
Mon 2/24	Day63Shapes.java, saved to Z: drive
Wed 2/26	Unit 8 FRQ worksheet, do part 1 in class today, part 2 due at start of class Friday.
Wed 2/26	Day64Store.java, saved to Z: drive
Fri 2/28	Unit 8 FRQ, part 2 due at start of class.
Fri 2/28	AP Classroom, Unit 9 MCQs, problems 1 through 9, do in class, show Mr. Hays the scratch paper you used while doing the problems (required). Do not go past problem 9 until we have done our notes during class Friday.
Fri 2/28	Day65Cars.java, saved to Z: drive.
Mon 3/2	AP Classroom, Unit 9 MCQs, problems 1 through 16, done before class starts on Monday. Do not try problems 17 and 18, we'll be learning that material on Monday. We'll do those Monday in class.
Mon 3/2	Day66Light.java, write a .equals() method, save to Z: drive.
Wed 3/4	Finish AP Classroom, Unit 9 MCQs (all problems) before class starts Friday.
Wed 3/4	Unit 9 FRQ worksheet, do in class Wednesday
Wed 3/4	Day67.java, saved to Z: drive
Wed 3/4	Unit 9 Half Sheet Review worksheet, do in class Wednesday
Fri 3/6	Unit 9 Review worksheet (key will be posted on my web site after school Wednesday, if you're stuck on a problem or have time to check your answers before class starts Friday, use the key.) Worksheet must be completed before class starts Friday for full credit.
Fri 3/6	Unit 9 Test
Mon 3/9	WordGroup worksheet due before class starts on Monday
Wed 3/11	RecursionPractice coding activity, saved to Z: drive

Wed 3/11	Unit 9 FRQ, complete in class
Wed 3/11	Day70WordGroupRunner.java coding activity, saved to Z: drive
Wed 3/11	Day70Practice.java coding activity, saved to Z: drive
Fri 3/13	Codingbat.com, first 8 recursion-1 problems done before class starts Friday: factorial H bunnyEars H fibonacci bunnyEars2 triangle sumDigits count7 count8
Fri 3/13	Recursion Practice half sheet, do in class Friday
Fri 3/13	In class, do the first 6 AP Classroom questions. Don't finish the rest as we haven't covered that material yet. Just the first six questions.
Spring Break! Have a great break. Stay healthy.	

Our AP Test is Friday May 8, 2020. Put it on your calendars! ☺