

STUDENT NAME _____ DATE _____

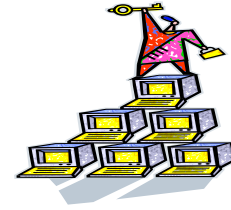
AP COMPUTER SCIENCE A TOPICS TO CONSIDER DURING THE SUMMER TO PREPARE FOR THE AP COMP SCI A CLASS – 2018 - 2019.

1. Become familiar with the following website:

www.apcentral.collegeboard.com

- Check out the AP Computer Science A Course. Set up a account. Read the course syllabus.
- Check out sample AP Computer Science A exams--the multiple free response sections.

Choose a multiple choice question from one of the sample tests. See if you can follow the logic and come to the correct answer.



student
choice and

2. Get started with Java.

- Go to either one of these sites: (<https://www.codecademy.com/learn/Java>).
- Take the practice introductory course in Java.
- You can download NetBeans or Eclipse to create programs in Java on your home computer.

3. <https://docs.oracle.com/javase/7/docs/api/>

- This links to the Java API. You can browse the classes in a package and the variables and methods used in it. There are cross references to superclasses and related classes in a given package.
- Read about the background of Java, where it is today, and where it is going.
- Other websites related to API:
- <http://users.drew.edu/bburd/beginprog2/readingjavadoc.pdf>

4. OTHER TOPICS TO CONSIDER

- The Java API. Peruse the methods from a class listed in the API – I suggest the Math class.
- Investigate the background of JAVA – who developed it – what type of language, etc. –
- Explore the components of the AP exam. (How many questions? What are the two parts? How much is each part worth? How long is the test? What are the topics covered? What is the date of this year's test?)
- Look up the three new programming lab modules that are presented for AP CS. Write a general summary of what is covered in each of the labs. If you can, download them and take a look.
 - Picture Lab (2 dimensional array manipulations)
 - Magpie Lab (String Processing and Compound Boolean conditions)
 - Elevens (Object Oriented Design)