

AP COMPUTER SCIENCE – SUMMER ASSIGNMENTS
(You will have a quiz on your return to school)

#1 Define the following terms

CLASS

COMPILING

CONSTRUCTOR

DEFAULT (NO ARGUMENT) CONSTRUCTOR

INITIALIZATION (PARAMETERIZED) CONSTRUCTOR

ENCAPSULATION

METHOD

OBJECT

INSTANCE

INSTANTIATION

OBJECT-ORIENTED PROGRAMMING (OOP)

PARAMETER

INSTANCE VARIABLE

LOCAL VARIABLE

SCOPE

#2 Create an account on Codecademy (<https://www.codecademy.com/learn/learn-java>) and complete the Learn JAVA course

- Make sure you ***do not*** choose Java Script
- There are 4 modules, take a screen shot showing you completed the work – date and time so that you can upload it to the dropbox on the first Monday back to school.

Additional things to do to help you out and give you a good head start

Download the current release of Dr. Java to your home computer (there is an on-line compiler you can use if you have a Mac computer): <http://www.drjava.org/download.shtml>. DrJava is a lightweight development environment for writing Java programs and we will use it in class.

Introduction to Computer Science using Java (<https://chortle.ccsu.edu/cs151/cs151java.html>)

Part 2 – chapters 5, 6, 7 and Part 3, chapters 8, 9 A, B & C

Lynda.com (through GCPS student portal or Gwinnett County Public Library on-line resources if you have a library card): Java Essential Training: Syntax and Structure