

B.M.C. Durfee High School

AP Computer Science Summer Assignment 2018

Congratulations on your choice of AP Computer Science for the 2018-2019 academic year. In this course, you will learn the fundamentals of computer programming using the Java programming language and by doing well on the AP exam you may earn college credit. This course will prepare you for further study in computer programming and is the first step in preparing for a career in software engineering or information technology (IT). The skills you learn will also be useful in other technical fields, such as science.

You do not need to have prior programming experience, but you must be very comfortable with computers. Learning a computer programming language is much like learning any language in that you must learn proper spelling, syntax, and structure. You will be learning the Java language, one of the most popular languages in the world, and you will be programming using object-oriented design methodology.

We will be doing a lot of coding during the school year in class, but there will be times when it is necessary to do work outside of the computer lab. Also, Google classroom will be used on a daily basis. It is essential that you have access to a computer and internet at home. If you do not have a computer or internet at home, then it will be necessary for you to be able to stay after school to complete programming assignments in the lab. On the first day of school in September, I will provide instructions on how to set-up and install a Java working environment at home.

To be a good computer scientist, you have to enjoy problem solving. That is what it's all about: working out the best way to do things. You also have to be able to think in a logical way: be a bit of a Vulcan. What does that mean? It just means being able to think precisely, extracting all the knowledge possible from a situation just by pure reasoning. It's about being able to say what is definitely the case given what is already known ... and it is fun to do. Logic has been called "the calculus of computer science." More than anything else, this course will allow you to develop logical reasoning and problem solving ability.

This summer assignment is due by 7:55 am on August 28, 2018 (first day of school) with no exception. This assignment will count as your first assessment grade for term 1.

The assignment is on google classroom. The summer assignment is located on google classroom. Please log into google classroom no later than June 19th. Click on the + sign and then choose "Join Class." You will see the screen below.

Join class

Class code

Enter the class code: 26x3p6y

This will take you to my AP Computer Science 2018-2019 google classroom. Here you will find the summer assignments.

CANCEL JOIN

If you are having trouble joining the google classroom or with some of the questions from the assignment, please contact me at jmullen@fallriverschools.org. I will be checking my e-mail on a daily basis throughout the summer.

Also, please sign-up for Remind by June 25th . Instructions for Remind are attached I will be using Remind to send messages and information about important dates, upcoming assessments, and so forth throughout the school year, including during the summer.

Best of luck with the assignment! I look forward to seeing you in August!

Ms. Mullen