

WSHS-AP Computer Science A Summer Packet

Students will be expected to complete the following over the course of the summer:

What is Java? Watch this video: https://youtu.be/2Xa3Y4xz8_s

Review College Board's AP Computer Science A Course Details found at:

<https://apstudent.collegeboard.org/apcourse/ap-computer-science-a/course-details>

<https://apstudents.collegeboard.org/courses/ap-computer-science-a>

Create an account on projectstem.org

- Join the class using the code: **098FCC**
- Complete everything up to Lesson 6 including the Assignment, Review and Exam
- The password for Quiz 1 is truffle and for Exam 1 is fireplace
- On the first official day back to school, you will take a test based on everything covered in Module 1.

IMPORTANT NOTES:

- Make sure that you understand ALL of the material as you go through the lessons. Each lesson builds on the previous ones so if you get lost, do not try to find an EASY way out because it will only make the rest of the course more difficult for you.
- The lessons are meant to be comprehensive. Do NOT skip any of the material.
- Copy your code and put in a document with the lesson name, in case of a web site issue.
- Remember that a computer is grading the work - you have to be very specific in your code.
- All work WILL be graded.

The TEXTBOOK for the course is found at: <http://math.hws.edu/javanotes/>

<https://www.youtube.com/playlist?list=PLoGgviqq4845xKOY11PnkE7aqJC7-bYrd>

Other resources to help you learn JAVA (you do NOT have to complete any of these)

Codecademy has a short Introduction to Java course that only takes a few hours and is perfect for a beginner: <https://www.codecademy.com/learn/learn-java>

Udacity has an easy free online Introduction to Java course that only take 8 hours:

<https://www.udacity.com/course/java-programming-basics--ud282>

Coursera has some good coding classes, but you would need to sign up for them as if you were taking a real college course. They are usually free, but some may charge for certificates and for grading assignments. I don't recommend paying for a course unless you want to get the certification. Check this one out: <https://www.coursera.org/specializations/java-programming?action=enroll>

MIT's Open Courseware Intro to Java Programming Course found at:

<http://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-092->

[introduction-to-programming-in-java-january-iap-2010/](http://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-092-introduction-to-programming-in-java-january-iap-2010/)

Questions? Email:

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Have fun coding! :)