AP Computer Science A (Java) Syllabus

Contact Information: Blocks 2, 3, 4 Teacher, Mr. Raymond Chan,(chanr@sfusd.edu) (he/they)
Math Department Chair, Mr. Karl Hoffman,(hoffmank@sfusd.edu) (he/him/his)
Administrative Liaison, Mr. Matt McDonell, (mcdonellm1@sfusd.edu) (he/him/his)

Prerequisite: Must be currently enrolled in 10th grade or higher. Students should have completed at least one semester of computer programming with a B or better in APCS Principles, Computer Programming A or equivalent. Students may alternatively demonstrate prior programming experience by taking a multiple choice test in Java, C, JavaScript or Python.

Course Description: AP Computer Science A (Java) is an advanced Java programming class. Topics covered include the Java programming language, Object Oriented Programming, inheritance, how to make and maintain your own website, how to write (a little) HTML & CSS, GitHub, searching and sorting, 1 and 2 dimensional arrays, lists, recursion and good programming style. This course covers all APCS A topics and is equivalent to a typical first semester college computer science course such as *111B Programming Fundamentals: Java* at City College.

Course Website and Materials: All course materials and assignments are available online at apcslowell.github.io Supplementary resources include the Piazza (link), codingbat (codingbat.com/java) and repl.it, AP Classroom websites.

All students will be expected to take the 2025 **AP CSA (Java) Exam on Wednesday May 7th, 2025.**

Behavior Expectations:

- Stay home if you are not feeling well
- Respect others privacy and personal space
- Minimize eating or drinking in the classroom
- Let me know if you need to leave the room and sign out
- Always sit in your assigned seat
- Not required, but feel free to wipe down the keyboard, mouse and desk
- Dress warm, we have AC

Submitting Work Digitally and Physically: All work will be submitted electronically via Google classroom for grading. Physical pages for quizzes and exams will be given and turned in during class.

Late Work Policy: Communication is my priority as you manage your deadlines and responsibilities. Thus, late work will be accepted to a reasonable degree. There will be

a one point deduction for each week that a late assignment is turned in after the due date. This deduction may be avoided with a proactive note expressing your circumstances.

Accommodations: We will provide all accommodations and/or modifications per your IEP or 504 plan. We will maintain the confidentiality of your learning needs unless instructed otherwise. We look forward to and are committed to creating an effective learning environment for all learning styles.

Course Grading Policy

   A = 90-100%   B = 80-89%   C= 70-79%   D = 60-69%   F = 0-59%

Required Supplies or Materials: Pencil, Eraser. In class computers are provided for all students in Room 334. You are not required to bring your chromebook to class.

Office Hours & Additional Supports:
- We will be using Piazza for class discussion. The system is highly catered to getting you help fast and efficiently from classmates and teachers. Rather than emailing questions to the teaching staff, we encourage you to post your questions on Piazza.
- Mr. Chan can tutor any AP CS A student before school, blocks 4B, 6, 7*
- Peer tutoring through CSF:
    - appointments can be scheduled at <u>lowellcsf.weebly.com</u>

Lowell's Computer Science Clubs:
- Girls Who Code (lowellgirlswhocodeclub@gmail.com)
- EECS (Electrical Engineering and Computer Science) Club (lowelleecs@gmail.com)
- more to come...