









AP COMPUTER SCIENCE A - PERIOD 2

M650 - 1 credit - Rank Weight 1.10

DCC CPS 141-9J1 (CRN 6835) - 4 credits

Prerequisite: Successful completion of Algebra II, OR Computer Programming 2

Class and Contact Information	
 Mrs. Jennifer Coltellino Huppert	 jennifer.huppert@wcsdny.org
 Room 171B	 845-897-6700 ext. 30074
 Extra help available by appointment- just ask & we will meet!	 Google Classroom Code: nihpgh3 or click here .
 Project STEM Token: 4F9B44 Click here to create your account.	 AP Classroom Code: 4RENDL Click here .
<i>**Please use your school email to sign into Google Classroom, but use your personal email to sign into Project STEM and AP Classroom.</i>	

COURSE OVERVIEW:

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

Textbook: Starting Out with Java From Control Structures through Data Structures. Fourth Edition (2019) by Tony Gaddis and Godfrey MugandaWalter. Pearson.

AP Computer Science A Course Topics	
• Primitive Types	• Using Objects
• Boolean Expressions and if Statements	• Iteration
• Writing Classes	• Array
• ArrayList	• 2D Array
• Inheritance	• Recursion

GRADING:

Criteria		Description
Tests	45%	Tests are given at the end of each unit. They are modeled on the AP Exam, so half of the tests are multiple choice and half are free response. Tests are graded like an AP Exam and are paper and pencil.
Projects	45%	We will be doing various projects throughout the year, at the end of units, as well as AP Labs.
Other Assignments	10%	Assignments include any activity that is graded, either in detail or for completeness. I believe in informal, low-stake, formative assessments.

Students will be evaluated using a **variety of assessment techniques**, including tests, projects, and various assignments. The evaluation criteria are as follows:

All quarters are weighted equally.

Final Exam:

All students are expected to take the AP Computer Science Examination on **May 7th, at noon**, and pay the examination fee. If a student does not take the AP Exam, they will have to sit for a final exam, which is worth 2 test grades in the final quarter.

TECHNOLOGY:

Obviously, we will use technology in a variety of ways in this course. The resources most commonly used are discussed below:

Project STEM	AP Classroom
<ul style="list-style-type: none">• Project STEM• Our primary place for videos, notes, and assignments.	<ul style="list-style-type: none">• AP Classroom• Used for daily topic questions and unit review (personal progress checks).• AP Daily Videos
Google Classroom	Others
<ul style="list-style-type: none">• Where I post assignments, make announcements, share resources.• Check daily.	<ul style="list-style-type: none">• Codingbat• Code Step by Step• CSAwesome

Cellphones: Students are prohibited from possessing smart devices on their person. Smart devices must be stored in a school bag or hanging pockets in the classroom.

ACADEMIC HONESTY

Ultimately, if you do not do your own work along the way, you will find it difficult to keep up with new material, as well as performing well on the paper-and-pencil tests. Do your own work and ask for my help if you need it!

It is expected that all the materials submitted for this course are the actual work of the individual whose name appears on the materials. Violations of academic honesty include, but are not limited to, cheating, plagiarism, using AI to generate responses, copying answers and passing it on as your own, storing notes on a calculator, and receiving or giving help on a test or quiz. A student found guilty of academic dishonesty is subject to failure (zero) for that activity or failure for the course and a referral to the principal of student services. If you work in a group on homework, please indicate with whom you worked.

The guidelines presented here are subject to change. If this occurs, students will be notified immediately.