

P.S. 035 Manhattan High School Course Syllabus

Course Code: TYSA1QQM

Course Name: Intro to Computer Science Term 1

Teacher Name: Morell

Year and Term: 2020-2021 Term 2

Course Description:

Welcome to In-Person Learning for the Spring of 2021. This course will be run in-person two days a week (sometimes three!) and through Google Classroom where additional lessons and assignments will be posted. **All students must be able to access Google Classroom through their @manhattanhs.org account to be successful in this course.** If you are having trouble logging in, we will figure it out. We understand that this is not a normal time, and so we will be flexible to work with you so that you can engage with the course. We will work together to make this the best school year we possibly can.

This course is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems.

This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science Principles and AP Computer Science A courses.

Prerequisites

No prior computer science knowledge or experience is necessary for this course.

Unit Overview

Term 1

Unit 1: Beginning in Computer Science

Unit 2: Number Calculations and Data

Unit 3: Making Decisions

Unit 4: Repetition and Loops

Unit 5: Programming in EarSketch

Course Materials:

Google Classroom

@manhattanhs.org email account – please check the messages often!

Device to access remote learning – any Tablet, iPad, smartphone, or laptop that can access Google Classroom

Download the apps Google Classroom, Google Meet, and Google Docs to your device for easy access.

Edhesive.com account to access course materials.

Grading Policy:

The class is graded based on completion of the modules through your Edhesive account. The curriculum consists of a student work, quizzes, practice, and lesson completion.

All assignments must be in your own words. If you find information on the Internet, use appropriate references to show where you found the information. We want to hear your voice, your opinion, and your words. Any information that is copy and pasted will need to be reworked and resubmitted.

Other Expectations:

In the interest of everyone's health, there will be strict enforcement of social distancing guidelines while we are meeting in person. All students must be wearing a facemask and maintaining a distance of 6 feet apart. Student desks are positioned 6 feet apart to ensure safe distance. These desks will be cleaned between each class period. There is hand sanitizer and hand soap available for students to ensure proper hygiene. Students who are unable to follow social distancing guidelines will be asked to engage in fully remote learning.

Be respectful to others in person and on Google Classroom. We do this by listening when others are speaking, understanding their perspective, and respecting each person's physical space. Any act of cyberbullying or harassment of other students during in person or remote learning will not be tolerated. Any acts or accusations are taken seriously and will be investigated and dealt with. Please be respectful of others, especially during difficult times.

All students are responsible for their weekly assignments and checking their email. Please see me for missing assignments or if you have trouble accessing the work.

I can be reached through email at **cmorell@manhattanhs.org**