**Mrs. Holmes *Introduction to Programming with Python* 2021-2022**

### Contact information:

Mrs. Holmes, Mathematics Department, Commack High School

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### Course Overview

This course is an introduction to computer science and programming. The major focus is on learning to program using the Python programming language. Additional computer science topics such as program design are also covered.

### Course Requirements and Grades

Grades are heavily based on programming projects and class participation, although quizzes may occasionally be given. All assignments will be posted to Google Classroom, and students will submit their work at the same site. If you miss class or have difficulty completing a project then it may necessary to complete it outside of class but generally additional homework will not be assigned. It is essential that you take complete notes in class and work diligently to practice your programming skills. If you are absent, then you are expected to get all notes from other students. This course will emphasize hands-on programming so students will often work independently or in small groups. You are expected to look at your notes, complete work assignments independently or with your partner, and ask for help if you are having difficulty.

### Supplies Needed

Students will need a folder or loose-leaf binder, paper, and pens or pencils. Office365 OneDrive, a USB drive, or Google Drive may be used to transfer work between school and home. The software web-based and is available online for free and is machine-independent (operates on Apple, PC and Chromebook environments).

### Internet and Computer Use Policies

All Commack District policies related to computer use are applicable. Students are expected to be responsible computer users. Students may not access unapproved Internet sites or games on his or her computer at any time. Students may only access programs required for coursework. **Any student found inappropriately using their computer will be disciplined. Depending on the nature of the infraction they may be taken off the computer for a day or, in very serious cases, they may be withdrawn from the class.**

Part of becoming a computer scientist entails working with peers in some capacity. I encourage students to work together to simulate that real-world experience. The advantages of this: Preparation for college and work environments, improved learning of how to interpret the code of others, practice with good programming style, and reduced the time spent being stuck on a concept or question. The main disadvantage of working with others can be the temptation to breach a code of ethics. **Under no circumstances should a student present anyone else’s work as one’s own. Penalties for academic dishonesty are documented in the Student Bulletin. *Please note that I take computer ethics extremely seriously.***

### Extra Help

I will be available for extra help after school every Tuesday 2:30 – 3:30 in **room 248 (computer lab).** Additional times may be available on request. We both want you to be successful, so you must ask for help should you feel lost along the way.

### Parent/Guardian Contact:

I encourage students to advocate for themselves, but I also believe that engaged parents are a critical part of a student’s success. It is difficult to reach me by phone so if you have a question or concern and would like to have a conversation, please email me with your preferred phone number so I can call you.