
Computer Assignments

The course will be project based. Students will be asked to complete assignments related to concepts and topics covered in class. Initially, students can expect one computer assignment per week. As the topics become more complex and the projects become larger, the frequency of projects will decrease. Students will be given ample class time to complete the assignments. Students are encouraged to assist each other and to work collaboratively in the planning stages of their assignments, however, all work handed in must be your own. The district's policies on plagiarism and cheating will be strictly enforced.

All assignments will be posted in our Google Classroom.

Quarterly Grades

The quarterly grades will be calculated by multiplying 100 times the total points earned divided by total possible points.

$$100 \times \left(\frac{\text{Total Points Earned}}{\text{Total Possible Points}} \right)$$

Programming assignment grades will include a class work component.

Extra Help

If you require additional time in the computer lab, you will need to make arrangements with me in order to come in after school. Room 145 is the only lab in the school that has VisualBasic.net loaded on its computers and the room is in use all eight periods of the day. If you load VisualBasic.net on your home computer, we can meet remotely if needed.

Notebook

Students are required to maintain a notebook. The notebook should be a bound composition notebook. You will find yourself needing to reference these notes quite frequently in order to complete the programming assignments.

Test and Quizzes

The majority of your grade will be the computer assignments. There will be an occasional quiz given during the marking period. All quizzes will be announced. Students will be allowed to use their composition notebooks for most of the quizzes.

Computer Lab

No student will be permitted to use the computers in the lab until a *Student Internet Agreement Form* has been turned in. Students are not permitted to access the internet during class time.

Contact Information

Email: Terry.Feeley@wcsdny.org

Phone Number (John Jay): 897-6700 ext. 30072

Visual Studio IDE

The VisualBasic.net programming language and the Visual Studio IDE will be used for the course. You will need to create a Microsoft account in order to log into the Visual Studio IDE. Your Microsoft account will need to be created with a NON-school email address. If you wish to download it at home (it's free), use the link below.

Visual Studio IDE: <https://visualstudio.microsoft.com/vs/>

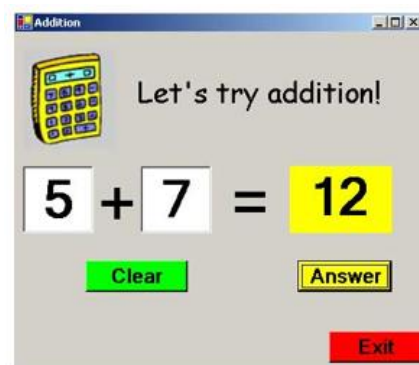
Samples of some of the Projects the students have completed:



Project 1: My High School



Project 2: State Capitals



Project 3 and 4: Practice with Adding

Project 5 – Math Tutor (here's a sample of what an assignment description might look like)

All assignments come with guided notes that include the pseudo code and the proper syntax that might be needed.

Create a Math Tutor application that displays math problems by randomly generating two numbers, 1 through 10, and an operator (*, +, -, /) and prompts the user for an answer. The application should check the answer and display a message, display the correct answer, and generate a new problem. The application interface should look similar to the following after typing a correct answer and clicking Check Answer:

