**Columbia Secondary School for Math Science and ENGINEERING**

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| **9th Grade Engineering: Computer Science**  **Course Syllabus**  **Teacher:**  Brandon Redmond  brandonredmond@columbiasecondary.org |  |

**Dear Parents and Students:**

Welcome back! This document outlines the academic and behavioral expectations which are necessary for success in CS9. Read these requirements with your child, check his/her notebook and assignments each day, and please do not hesitate to email me with questions / concerns. Parents and teachers working together greatly helps youngsters to succeed in school.

**What is this course about?** This course will serve as an introduction to **computer science**, **computer programming**, and some key technologies, software tools, and habits of mind necessary for **engineering**:

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| **Computer Science and Computer Programming:** Students will...   * develop fluency with computational concepts (i.e. assignment/memory, conditional execution, sequence/methods, loops, input/output, events, parallelism) and practices (i.e. iterative and incremental development, testing and debugging, reusing and remixing, abstracting and modularizing) |
| * gain proficiency in several programming languages and software packages (Scratch, Python)   https://qph.fs.quoracdn.net/main-qimg-27d25d3fd343a3d2e4384c7f0eeaf785 |

**Course Details**

1. **Materials:** Each day students must bring the following to class:

* Notebook & Folder – Students should practice taking notes on the code that we provide in class

AT HOME INTERNET ACCESS IS REQUIRED if you want to continue working at home. Assignments are designed to be completed during class time, but should you need to finish at home, you would need an internet connection. Please notify me immediately with a note from a parent or guardian if access is limited. Note that cellular or tablet devices will likely not be sufficient for writing programs.

**Basic Behavior for Success:** All students are expected to do the following

* + Attend class everyday
  + Come to class on time each day
  + Act within the NYCDOE/CSS behavioral guidelines designed to maximize safety, respect, and learning
  + Complete all assignments on time
  + Study for quizzes and exams

1. **Assignments and Grading (MP 1 and MP 2).** 
   * Designed Products 70%
   * Quizzes and Tests 20%
   * Organization and Professionalism\* 10%
2. The semester grade will be calculated as follows: (MP1 is 30%, MP 2 is 30%, MP 3 is 40%)

Grades will be assigned on the NYCDOE grading scale:

* 45/55 (Excessively Absent / Fail)
* 65 (Pass)
* 70, 75, 80, 85, 90-100

1. **Late Assignment Policy**  
     
   Late assignments will be reduced by 10%/day to the maximum score.
2. **Submitting Assignments:**

**All projects will be submitted via Google Classroom. More information to come.**



**\*\* Organization and Professionalism grade comes from your daily behavior towards your teacher, your classmates and the computers.\***