

Computer Science Pathway 2018-19

Grade 6	Grade 7	Grade 8	Grade 9 ^{3,4}	Grade 10	Grade 11	Grade 12
<p>CS 6¹</p> <ul style="list-style-type: none"> - Digital Literacy - Cybersafety - Scratch - Data - Pre-BAT² - Web Design 	<p>CS 7</p> <ul style="list-style-type: none"> - Entrepreneurship - Web Design - Scratch - Pre-BAT² 	<p>CS 8</p> <ul style="list-style-type: none"> - Python - Arduino - Pre-BAT² - Web Design - p5.js 	<p>CS 9</p> <ul style="list-style-type: none"> - Snap! - Python 	<p>CS 10</p> <ul style="list-style-type: none"> - Processing - Data Visualization - Pre-BAT⁵ 	<p>AP CSP 11⁶</p> <ul style="list-style-type: none"> - The Beauty and Joy of Computing [using Snap!] 	<p>AP CSA 12</p> <ul style="list-style-type: none"> - Java

1. Students in the Dual-Language program are taught in Spanish
 2. CS 6, CS 7, and CS 8 Pre-BATs are aligned to the NYS Consortium STEM Rubric
 3. CS 9 courses meet for one semester; all other courses meet for two semesters
 4. At the conclusion of Grade 9, students choose Computer Science or Finance as their pathway for the remainder of high school
 5. CS 10 Pre-BAT is based on the AP CS Principles Create Task Rubric and the NYS Consortium STEM Rubric
 6. The Beauty and Joy of Computing curriculum was designed for NYC high schools by UC Berkeley professors and is based on UC Berkeley's intro to computer science course
- * MS 223 is a member of Cohort 1 in the NYCDOE Software Engineering Program (SEP) and a member of Cohort 2 in the BJC4NYC program.
- * Students in grades 10-12 have the opportunity to participate in the SEP Pathfinders program (6-week tech industry internship)