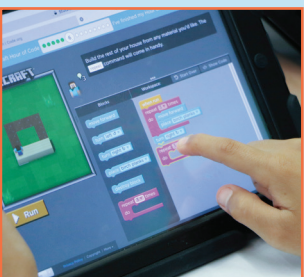# Computer Science Education Course Catalog

Middle School Academic Courses (Grade 6-8)

Course Name	Semester A	Semester B
Computer Science (CS) Discoveries [2]	180115	180116
Introduction to Programming: Game Design and App Development	180117	180118
Introduction to Physical Computing	180121	180122
Computer Science Exploration 1 (CS 1)[2]	180111	

Middle School Career Technical Education Courses (Grade 6-8)

Course Name	Semester A	Semester B
App Creators (Project Lead the Way - PLTW) [2]	615309	
Computer Science for Innovators and Makers (PLTW) [2]	615101	
Middle School Robotics	692605	

High School Academic Courses (Grade 9-12)

Course Name	Semester A	Semester B	Primary A-G
JAVA ADV D STR/INTR BIOINFO	180219	180220	G
Computer Science 1	180107	180108	
Exploring Computer Science [2]	180113	180114	G
Computer Science Explorations [1]	180133	180134	D
AP Computer Science Principles (CSP) [2]	180229	180230	D
AP Computer Science A	180227	180228	C
C# Advance Game Design & Development	180119	180120	G

High School Career Technical Education Courses (Grade 9-12)

Course Name	Semester A	Semester B	Primary A-G
Computer Programming 1	604101	604102	
Computer Programming 2	604103	604104	
Computer Programming 3	604105	604106	
Computer Science 1	604009	604010	
Computer Science and Programming	604011	604012	
Computer Science Principles	615303	615304	
Cyber Security (PLTW) [2]	676565	676566	
Exploring Computer Science [2]	604005	604006	
CTE AP Computer Science Principles [2]	615319	615320	
Introduction to Coding	677511	677512	
Introduction to Programming	604007	604008	
Networking Game Programming	676563	676564	
Senior High Robotics	692607	692608	
CTE-IT Essentials 1A	604113		G
CTE-IT Essentials 1B	604114		G
JAVA ADV DS & INTR BINF A CTE	604309		G
JAVA ADV DS & INTR BINF B CTE	604310		G
AP Computer Science CTE A	615327		C
AP Computer Science CTE B	615328		C
New Media 1A	615501		G
New Media 1B	615502		G

[1] **Only students in grades 9-10 who did not complete both semesters of CS Discoveries can enroll.**
[2] **Training required to teach course.**

Approved by: *Sophia Mendoza*
Sophia Mendoza, ITI Director