

8th Grade Computer Science Curriculum

Course Title	<i>8th Grade Computer Science</i>			
Course Overview Provide a brief parent-friendly summary of what students will accomplish in this class and how it connects to real-world skills.	<i>In 8th-grade Computer Science, students revisit and deepen their understanding of core computer science concepts — algorithms, data, networks, and digital citizenship — through the engaging world of Minecraft Education and MakeCode. Using block-based and Python coding, students engineer creative solutions to real problems inside collaborative Minecraft worlds, applying everything they have learned across grades 5 through 7 in a capstone year of discovery and design.</i>			
Main Resource Used	<i>Microsoft Minecraft Education Edition with MakeCode; Online Tools</i>			
Unit Sequence & Titles	Unit 1 <i>MakeCode Orientation & Algorithms Review</i>	Unit 2 <i>Data, Networks & Digital Systems Review</i>	Unit 3 <i>Conditionals, Functions & Logic Review</i>	Unit 4 <i>Introduction to AI and Learning Machines</i>