

Information and Communication Technologies Pathways and Programs

School	Pathway/Program	Description
Bullard High School	Computer Science Program	A sequence of courses focusing on the skills needed for software development. Students learn to apply programming languages and analytical thinking to create solutions for a wide range of scientific, technological and social problems.
Cambridge	Cybersecurity	Cambridge offers a Cybersecurity course.
CART	User EXperience (UX) Design Lab; Web Application Development Lab	<p>User EXperience (UX) Design Lab: User EXperience Design focuses on the processes of designing a product’s interface and function. Companies like Apple and Google employ teams of highly specialized UX professionals charged with carefully crafting a product’s usefulness, usability, and desirability. Students in the UX Design lab learn to create innovative, equitable, and user-centered experiences for the digital world. Through interactive, hands-on experiences UX students will learn to realize innovative concepts, evaluate a design’s usability, and deliver functional prototypes. Students will learn how to apply psychology, user-centric design thinking, wireframing, interface design, storyboarding, visual design theory, and prototyping skills.</p> <p>Web Application Development Lab: Students go beyond being a user of technology and become certified to design, develop, and deploy Rich Internet Applications, websites, and games using Web 2.0 developer tools such as Java, SQL, HTML5, CSS3, and JavaScript. They will learn the foundational skills of object-oriented programming, web design, database design, scripting, and graphical user-interface design to ensure that end-users have a positive experience and return again and again to the applications. Certifications through Microsoft, Adobe, and CIW are available.</p>
Edison High School	Computer Science Program	A four-year sequence of courses focusing on object oriented programming, scripting, and web and application design.