




Spirit of Technology™

Releasing the Genius®

Curriculum Overview



1. Open 
2. Scan QR Code



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GRADE	DRILLS	PROBLEM SOLVING	CORE CONTENT	INDEPENDENT ASSIGNMENTS	
3	<ul style="list-style-type: none"> Typing Binary Conversion Lists 	<ul style="list-style-type: none"> Python Variables Data Types: Integers, Strings, and Boolean Error Types Boolean Comparators Built-in functions User Inputs If, else if, else While Loops Lists 	<ul style="list-style-type: none"> Conductors and Insulators Open and Closed Circuits Series and Parallel Building Circuits Circuit Diagrams Encryption Binary Conversion Graphic Design 	<ul style="list-style-type: none"> Mighty Makers Poster Projects PowerPoint Presentation 	
4	<ul style="list-style-type: none"> Typing Binary Conversion Cartesian Coordinates JavaScript Shapes Resistor Relay 	<ul style="list-style-type: none"> JavaScript Variables Data Types: Numbers, Strings, and Boolean Error Types Boolean Comparators User Inputs; prompt If, else if, else Nested If While Loops Arrays 	<ul style="list-style-type: none"> Conductors and Insulators Open and Closed Circuits Series and Parallel Circuit Diagrams Building Circuits Ohm's Law Breadboard Encryption Binary Conversion Graphic Design: RGB 	<ul style="list-style-type: none"> Mighty Makers User Input Assignment Stained Glass 	
5	<ul style="list-style-type: none"> Arduino Syntax Resistor Relay Excel Functions 	<ul style="list-style-type: none"> Arduino Variables Data types: Integer, String, Boolean Analog and Digital Components Arduino Inputs and Outputs If, else if, else While Loops Functions Reading APIs 	<ul style="list-style-type: none"> Design Thinking Storyboarding and Personas Flow Chart Ohm's Law: Voltage, Current and Resistance Circuit Diagrams Breadboards Arduino Prototyping Excel Cells, Functions and Formatting Plotting and Analyzing Graphs Collecting and Organizing Data Downloading and Analyzing Data from Official Websites 	<ul style="list-style-type: none"> Ohm's Law Problem Set 1-4 Arduino Assignment 1-3 Arduino Prototype Daring Data 1-4 Collecting Weather Data 	
	DRILLS	PROGRAMMING CORE	TECHNOLOGY CORE	DESIGN THINKING	ASSIGNMENTS
6	<ul style="list-style-type: none"> Arduino Syntax 	<ul style="list-style-type: none"> JavaScript Mod User Defined Functions While Loops For Loops and For/Of Loops Arrays and Array Functions String manipulation Reading APIs Pseudocode Algorithms and Runtimes 	<ul style="list-style-type: none"> Arduino Prototyping Analog and Digital Inputs and Outputs Wiring Breadboards Internet of Things (IoT) 	<ul style="list-style-type: none"> Wireframes AI Prompting UI Mock-ups Website Design 	<ul style="list-style-type: none"> JavaScript Assignments Library Catalogue Website Wireframes Arduino Prototype

Student Admissions

All students and parents must go through a screening process that includes an interview, and the following is required:

- B+ or higher overall average on the student's report card.
- Students must be willing to accept the challenging nature of the program and the discipline that it takes to keep up with their studies; parents must also agree to this.