

STEM tools for your classroom.

Software and hardware are critical to teaching STEM. But which tools are appropriate for each stage of learning? Use this simple guide to see which **software** and **hardware** you can use to teach STEM successfully from years K-12.



Type	Product / Description	Class Qty	K	1	2	3	4	5	6	7	8	9	10	11	12		
Hardware 	Lego WeDo A Lego kit that can connect to Scratch via USB port	1		█													
	Makey Makey Create your own input devices such as controllers and musical instruments	3				█											
	Finch Robot This programmable robot is a great intro to Java programming and more!	2	█														
	Hummingbird Duo Learn to program and set up hardware and create simple robots and machines	1 for G&T					█										
	Arduino Develop your own robotics and electronics projects	1 each								█							
	LilyPad Hardware to create wearable technology and more	1								█							
	Raspberry Pi Create your own Internet of Things on this computer that can run Windows 10 and Linux	1								█							
	Micro:Bit / Ada Fruit Small microcontroller to develop your own hardware projects using makecode.com	1 each								█							
Software 	Minecraft: Education Edition Education version of the popular sandpit game with redstone, pistons and more to create complex machines	-	█														
	Windows 10 and IoT core Operating System This gives you a platform to create apps, software and more across all operating systems	-	█														
	Microsoft Office Use OneNote, Planner, Sway and other tools to problem-solve and organise, collaborate and present your STEM projects	-	█														
	MakeCode Online tools to start coding with physical computing to devices such as the Micro:bit, Adafuit and more	-					█										
	Unity 3D Software to create games and even holographic apps for Microsoft Hololens, XBOX and more	-									█						
	Visual Studio A real industry tool to code apps and software in any language and for any device	-									█						
	Microsoft Azure Use the latest cloud technology to develop apps, set up servers, create machine learning tools and more	-														█	

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