

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

Learn more about our STEM offerings. Go to: [microsoft.com.au/stem](https://microsoft.com.au/stem) ➔

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