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<p>Lesson 1</p> <p>Digital Devices in KS1</p> <p>Phil Bagge Computing Inspector/Advisor HIAS CAS Master Teacher Teacher Otterbourne Primary & Ringwood Junior Schools Author code-it.co.uk resources</p>	
<p>Technology is</p> <p>Using what people have learnt to make something useful</p> <p>Let us play guess the technology</p> 	<p><i>Teacher info</i></p> <p><i>Technology means using our scientific knowledge to make something. We have simplified it to using what people have learnt to make something.</i></p> <p>You may wish to ask what things the boy might have learnt? Accepting a wide range of answers both formal and non formal.</p>
<p>Guess the Technology</p> <p>Using what people have learnt to make something useful</p> <p>Some materials make a mark on paper</p> <p>?</p> <p>Wrap it in wood to keep our fingers clean</p>	<p>Explain that you are going to give them some clues to see if they can guess what technology was invented.</p> <p>Read the two statements next to the question mark</p> <p>Can they work out what it might be with their learning partner?</p>
<p>Guess the Technology</p> <p>Using what people have learnt to make something useful</p> <p>Some materials make a mark on paper</p>  <p>pencil</p> <p>Wrap it in wood to keep our fingers clean</p>	<p>You may want to make the links between the graphite inside the pencil and the wood outer layer and their properties and explain that someone had to come up with this technology</p>
<p>Guess the Technology</p> <p>Using what people have learnt to make something useful</p> <p>Some materials rub out marks on paper</p> <p>?</p> <p>We can make these in many shapes and sizes</p>	<p>Read the two statements next to the question mark</p> <p>Can they work out what it might be with their learning partner?</p>

<p>Guess the technology Using what people have learnt to make something useful</p> <p>Some materials rub out marks on paper</p>  <p>rubber</p> <p>We can make these in many shapes and sizes</p>  	<p>Make the point that someone learnt that rubber rubs out pencil marks and then made rubbers for everyone to rub out pencil marks.</p>
<p>Guess the Technology Using what people have learnt to make something useful</p> <p>Some materials hold pencil and pen marks easily</p> <p>?</p> <p>We can make these very thin</p>  	<p>Read the two statements next to the question mark Can they work out what it might be with their learning partner?</p>
<p>Guess the Technology Using what people have learnt to make something useful</p> <p>Some materials hold pencil and pen marks easily</p>  <p>paper</p> <p>We can make these very thin</p>  	<p>Make the point that someone learnt that pencil marks could be stored on paper. Can paper be used for anything else? It is a technology that can be used for lots of things.</p>
<p>Guess the Technology Using what people have learnt to make something useful</p> <p>Some coloured materials can be spread with a brush</p> <p>?</p> <p>They start wet but dry out later</p>  	<p>Read the two statements next to the question mark Can they work out what it might be with their learning partner?</p>
<p>Guess the Technology Using what people have learnt to make something useful</p> <p>Some coloured materials can be spread with a brush</p>  <p>paint</p> <p>They start wet but dry out later</p>  	<p>Make the point that someone learnt that paint could be spread with a brush and that it dries out and then made paint for everyone to use.</p>

<p>What is technology? Technology is made by people to help us</p> <p>What do they help us do?</p> 	<p>Explain that technology is made by people to help us do things</p> <p>Can they work with their partner to say what each of these technologies do?</p> <p>Go through their answers together</p>				
<p>Which ones are technology? Technology is made by people</p> 	<p>There is a worksheet with this on Is everything technology? What do they think? Explain that technology is made by people it does not appear naturally. Cats are not made by people although you may not want to get into this in detail!</p>				
<p>Which ones are technology? Using what people have learnt to make something useful</p> <table border="1" data-bbox="261 987 715 1151"> <thead> <tr> <th data-bbox="261 987 485 1010">Technology</th> <th data-bbox="485 987 715 1010">Not Technology</th> </tr> </thead> <tbody> <tr> <td data-bbox="261 1010 485 1151">  </td> <td data-bbox="485 1010 715 1151">  </td> </tr> </tbody> </table>	Technology	Not Technology			<p>After they have decided for themselves using the sheet you can use this slide to mark their work with them.</p>
Technology	Not Technology				
					
<p>What is technology? Using what people have learnt to make something useful</p> <p>Let us look for things made by people</p> <p>Can we find technology in our classroom?</p> <p>Can we find things that are not technology in our classroom?</p> 	<p>Collect in their items on your board into two columns</p> <p>Technology / Not made by people</p>				
<p>Key Knowledge I know that digital devices are a type of technology</p> <p>I know that digital devices can come in many shapes and sizes</p> <p>I know that a digital device contains coded instructions to make it do things</p> 	<p>Next lesson we get onto looking at digital devices. I wonder what they will be?</p>				