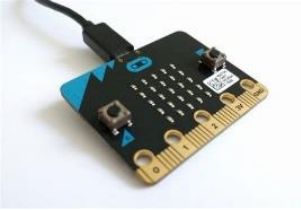

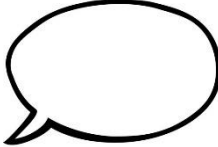


WEEK 1	WEEK 2	WEEK 3
<p>Design an information sheet to give safety warnings or handling advice to help a new user handle the micro:bit correctly.</p>  <p>Challenge: When complete, upload a photograph or screen snip of your safety sheet and upload it to your OneNote homework page.</p>	<p>Ask your teacher for a copy of the task sheet – you need to try and identify the main features of the micro:bit.</p> <p>You need to add labels to show the location of the following:</p> <ul style="list-style-type: none"> • LED Matrix • Button A and Button B • Processor • Accelerometer • Battery • Reset Button • USB connector 	<p>KEY TERMS: Ask your teacher for a support sheet if you need help to remember these key terms:</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>Compiler: A compiler translates the whole program into machine code before the program is run</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>IDE: Integrated Development Environment. This means that you can code and execute commands within the same environment</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>Embedded Systems: An embedded system is a computer system made from a combination of hardware and software that is used to perform a specific task. The system may be pre-programmed, such as to control a washing machine</p>  </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>Event: An event is an action that happens as a result of another action. For example, pressing the keyboard space bar may change or stop an action in a computer game</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>Pseudocode: Writing up a set of instructions for a computer program using plain English. Using pseudocode helps programmers plan their code</p> </div>
<p style="text-align: center;">WEEK 4</p> <ol style="list-style-type: none"> 1. Why do programmers use comments in their code? 2. How do you write a comment in the programming languages, Python and JavaScript? 3. Why is it important to 'clean up' your code before you compile it to your micro:bit? 	<p>Challenge:</p> <ol style="list-style-type: none"> 1. What does the accelerometer do? 2. Can you name another device that contains an accelerometer? 	
<p>WEEK 5</p> <p>Challenge: Complete an activity at: https://hourofcode.com/uk/learn</p> <p>When complete, save a screen snip of your certificate and upload it to your OneNote homework page.</p>		