

KS3 Learning Intentions

Year 7 – Half term 5 MicroBit Madness What? When? Why?	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Weeks 1 - 6	<p>To understand what the Micro:Bit is.</p> <p>To understand the various components of the device.</p> <p>To understand the various programming environments.</p>	<p>To understand how to write a simple program.</p> <p>To understand what compiling is.</p> <p>To understand how to flash the compiled program to the device.</p>	<p>To develop our understanding of programming using the 'blocks' language.</p> <p>To practice the art of decomposition and abstraction to help solve a problem.</p> <p>To understand how to make use of the accelerometer.</p>	<p>Understand how to program the 'Compass' on the Micro:Bit</p> <p>Further develop skills in problem solving (decomposition and abstraction)</p> <p>To further develop our skills in programming using the 'blocks' language.</p>	<p>To develop our skills in programming using the blocks language.</p> <p>To understand the purpose of variables.</p> <p>To develop understanding of coordinates and see how they are used in developing graphical programs.</p>	<p>To develop our skills in programming using the python programming language.</p> <p>To understand some simple python syntax.</p> <p>To realise the similarities with the way we program in python compared to blocks.</p>