

YEAR 5

5.3 - Coding with Micro:Bits

Computing Area	Computer Science
National Curriculum Strands	<ul style="list-style-type: none">• Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts• Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
Skills Progression Points	<ul style="list-style-type: none">• To program a Micro:Bit to display a message or design using scroll and forever loops.• To program an event based on an input• To create a variable• To program a variable to be randomly selected• To control variables based on conditional algorithms
Hardware	Laptops/Desktop PC, Micro:Bits
Software/App	<u>Micro:Bit Make Code</u> , Includes Micro:Bit simulator
Unit Objective	To program a Micro:Bit to make a variety of practical and useable devices
Unit Vocabulary	Micro:Bit, block, variable, scroll, forever, conditional, algorithm