



Prior Learning	
Programming 2: Micro:bit	
Key vocabulary for this unit	
Algorithm Code Command Design Import Indentation Input Instructions	Loop Output Patterns Random Remix Repeat Shape
Learning Sequence	
Tinkering with Logo	To tinker with a new piece of software
Nested loops	To understand nested loops
Using Python	To understand basic Python commands
Using loops in Python	To use loops when programming
Coding Mondrian	To understand the use of random numbers
Assessment milestones	
<u>Key skills:</u> <ul style="list-style-type: none"> Decomposing a program into an algorithm. Writing increasingly complex algorithms for a purpose. Debugging quickly and effectively to make a program more efficient. 	<u>Key knowledge:</u> <ul style="list-style-type: none"> To know that there are text-based programming languages such as Logo and Python. To know that nested loops are loops inside of loops.

- Remixing existing code to explore a problem.
- Using and adapting nested loops.
- Programming using the language Python.
- Changing a program to personalise it.
- Evaluating code to understand its purpose.
- Using logical thinking to explore software independently, iterating ideas and testing continuously.

- To understand the use of random numbers and remix Python code.