## Y ear 6 Computing knowledge mat: Introduction to Python

| Subject Specific V ocabulary |  |
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| Algorithm | A sequence of instructions which, when followed, solve a problem. |
| Code (computer) | A set of instructions written in programming language, to tell a computer what to do. |
| Computer command | To give an order or instruction to a computer, to complete a particular task |
| Decompose | To break something down into smaller chunks. |
| Import (software) | To pull another file into software, to place, edit and manipulate. |
| Indentation (programming) | In programming (for example Python), indentation is used to define a block of code. |
| Loop | A repeated sequence of instructions. |
| Nested loop | A loop, within a loop. |
| Random numbers | An unpredictable sequence or reveal of numbers. |
| Remix | Something that has been reworked to produce a varying version of the original. |
| Script libraries | A series of pre-written, functional codes that can be accessed and imported into the program to save time. |
| $V$ ariable | This could be a number or text that can change each time the program is run and often in combination with selection to change the end result of the program. |

> Key Knowledge

I know that there are text-based programming languages such as Logo and

Python.
I know that nested loops are loops inside of loops.

I understand the use of random numbers and remix Python code.


