

Things you already know:

- You should be familiar with block coding using programs such as Scratch and other apps using similar coding blocks.
- You should have some experience of HTML coding.
- You should be familiar with debugging algorithms.

Knowledge you will gain:

- Know that text based coding needs to be precise and accurate from the spelling of commands to the punctuation used.
- Understand what the key features of AI are and learn to replicate some of these features in their work.
- Know how to code using Small Basic (a simplified version of Visual Basic).
- Know how to use if, then, else statements with multiple responses to give the impression of artificial intelligence.
- Know how to create variables and how to pass these variables on to other lines of code.
- Know how to debug their programs using the Small Basic tools to help them identify the appropriate line numbers.



object operation variable

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```
TextWindow.WriteLine("Hello there!")
```

Specific skills/understanding

You will learn how text coding varies from block based coding. Begin to see how perceived AI is a clever set of responses based upon coding algorithms that have been programmed by people.



Vocabulary

- Variables:** Creating a named value that can be changed. This can be text or numeric.
- Statement:** A coding sentence made up in Small Basic of an Object and Operation and a variable.
- input:** Allows data to be entered to a computer system. So for example a `TextWindow.Read()` command that allows keyboard input.
- Output:** What happens when the input is complete. So for example this would be the IF, THEN, ELSE statement allowing the computer to make a choice as to the most appropriate response.
- URL:** Web address e.g. <https://www.google.co.uk>

Ongoing skill set

Text editing skills including inserting of line breaks to insert new lines of code. The use of backspace and delete to facilitate debugging and correcting of code.