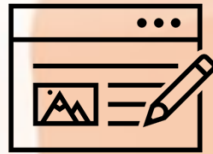


# We Are

## Toy Makers

### Computer Science



Year 6 – Autumn Term

#### What I should already know:

- I know how to use the backdrop and Sprite editor.
- I know how to use the different code blocks in Scratch to make my Sprite move or speak.
- I know how to find bugs in my algorithm and can debug to correct it.

#### Online Safety



- I will keep my personal information safe online by never sharing my name, address or school.
- I will keep my passwords private and only share these with trusted adults at home and school.
- I will never share photographs of myself with strangers.
- I will ask permission before downloading anything online.
- I will tell a trusted adult if you receive a mean or strange message from anyone.

#### Vocabulary

<b>Bluetooth</b>	A way to connect to a computer without using wires
<b>Controller</b>	Programmable device that determines electronic output based on electronic input
<b>Decomposition</b>	Breaking a problem down into smaller parts.
<b>Input</b>	Data given to a computer
<b>MakeCode</b>	A platform to create code for a Micro:Bit
<b>Micro:Bit</b>	Simple computer that can be programmed with an input to create an output
<b>Output</b>	Information produced by a computer
<b>Simulator</b>	Shows you on screen what your program will look like on the Micro:Bit

#### Essential Knowledge

- I will know what inputs and outputs my toy has.
- I will be able to name inputs and outputs for the Micro:Bit
- I will know how to identify any bugs in my algorithm and debug them.

#### Essential Skills

- I will be able to add interactivity to a toy by programming a Micro:Bit to create a picture or sound.
- I will be able to connect the Micro:Bit to my toy.
- I will be able to use decomposition to break my project down into smaller parts.