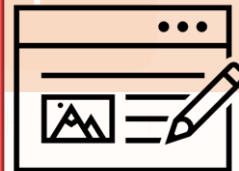


We Are

Makers

Computer Science



What I should already know:

- I know to use the blue code for motion and the purple code for sounds in Scratch.
- I know how to join codes together to create an algorithm in Scratch.
- I can put 6 blocks on Scratch into an order to make my Sprite move and speak.
- I can watch my program and debug any mistakes.

Online Safety



- I will not tell anyone my name, address or my school name online.
- I will not use or send a photo of myself online.
- I will keep my passwords secret from anyone who is not my trusted adult.
- I will not download anything without asking my trusted adult first.

Essential Knowledge

- I will know how the input—process—output model works
- I will know how to use the input, logic and variables codes on BBC Micro:Bit
- I will know how to test and debug programs I write using the simulator
- I will learn to convert and transfer a program written on screen to the Micro:Bit

Year 4 — Autumn Term

Vocabulary

Bluetooth	A way to connect to a computer without using wires
MakeCode	A platform to create code for a Micro:Bit
Micro:Bit	Simple computer that can be programmed with an input to create an output
Object Code	a version of the program converted into instructions to be followed by the computer
Simulator	Shows you on screen what your program will look like on the Micro:Bit
Source Code	the program written in a language that can be understood by both the programmer and the computer
Variable	a particular bit of the computer's memory that holds a specific bit of data

Essential Skills

- I will create an algorithm for the Micro:Bit
- I will test an algorithm and debug it using the simulator.
- I will convert and transfer my program to the Micro:Bit using a USB cable.