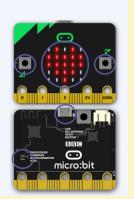| Programming: Sensing		Year 6	Summer 2

Inspire Academy
Discovery Adventure Exploration

My Year 5 unit on physical computing with Crumble kits will help me with this unit.

Key information

Parts you will be using – can you find them?

1. A and B buttons
2. LED display
3. Accelerometer and compass
4. USB port to connect to a computer

Vocabulary	
Micro:bit	A small computer that runs programs created on MakeCode
Accelerometer	The part of the Micro:bit that detects movement
Emulator	A simulator on MakeCode that can be used to test code before it is downloaded onto the Micro:bit

Online Safety Focus	Key Computing Skills and Knowledge
• Know that the order of **conditions** in statements is important • Know how to positively address **peer pressure** and apply this in **online situation**	• Know that the **micro:bit** is an **input, process, output device** that can be **programmed** • Know that a **program** can be created on a computer then transferred to a **controllable device** • Know how to **download code** onto a **micro: bit** • Know that **selection** can control the **flow** of a **program** • Know how to use an '**if … then … else' statement** to select the **flow** of a **program** • Know how to use a **condition** to change a **variable** • Know that the order of **conditions** in statements is important