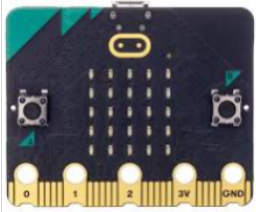




Year 4 Data Collection & Recording

Key vocabulary

Information	Facts about something or someone
Data	Information <u>especially</u> in the form of facts or <u>statistics</u> that you can <u>analyse</u>
Collection	a group of similar things that you have deliberately <u>acquired</u> , usually over a period of time.
Sensor	A sensor is an instrument which <u>reacts</u> to certain <u>physical</u> conditions or <u>impressions</u> such as heat or light, and which is used to provide information.
Logging	If you sort things, you separate them into different classes, groups, or places, for example so that you can do different things with them.
Analysis	A rule which can be applied to reduce the number of results in a search
Software	Code or apps written to achieve specific tasks on a computer device (hardware).
Interpret	If you interpret something in a particular way, you <u>decide</u> that its <u>meaning</u> or <u>significance</u> .
Conclusion	<u>decide</u> that something is <u>true</u> after you have <u>thought</u> about it carefully and have <u>considered</u> all the <u>relevant</u> facts.



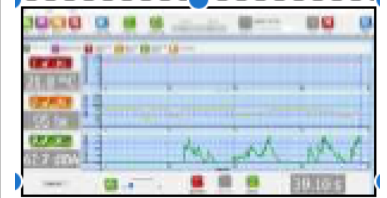
Microbit



Arduino SJ

Data Collection

Asking Questions: Data gathered over time can be used to answer important questions. For example, your class register can be used to answer questions about your attendance. Before we collect data we need to think of the questions we are trying to answer.



Sensors: Our senses - sight, hearing, smell, taste and touch are our bodies' way of detecting things in our environment.

Electronic devices use a range of sensors to detect and measure environmental factors like light, temperature, volume, speed and more. Cameras, microphones and thermometers can be used as sensors if a device is connected to them.



Data Loggers: These are devices with sensors built into them or that can be attached to them to record specific types of environmental information.

Nowadays, many electronic devices like phones and iPads contain all the sensors we need with our using a separate data logger.



