Year 5 - Digital world: Monitoring devices

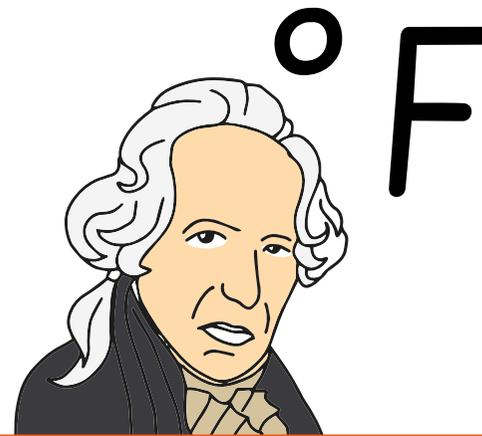|	
Boolean	A form of data, which consists of (true) 1s and (false) 0s values.
Device	Equipment created for a certain purpose or job.
Durable	Lasts a long time with prolonged use without deteriorating very easily.
Monitoring device	An electronic device that observes and records something over time using data retrieved from one or more sensors.
Sensor	A tool or device that is designed to monitor, detect and respond to changes.
Synthetic	Something artificial. Made with substances that are do not occur naturally.
Variable	This could be a number or text, that can change each time the program is run and often in combination with selection to change the end result of the program.
Versatile	Can be used in a number of ways, or has a variety of functions.
Water-resistant	Repels water from entering or absorbing something.
Workplane (CAD)	A virtual mat to place and manipulate objects in CAD, to build 3D models.

Monitoring devices:

Security alarm systems use motion detectors to sense movement in an unwarranted place.

Fire alarms can detect smoke and some can also detect abnormally high temperatures.

Key facts

°F

Daniel Gabrial Fahrenheit

Daniel Gabriel Fahrenheit developed the world's first truly accurate thermometer in 1709, using a numerical scale he proudly called the 'Fahrenheit' scale (°F).

Anders Celcius

Later in 1742, inventor Anders Celsius developed the 'Celsius' or 'Centigrade' scale (°C) that we know and use in the UK today. It is based on the 0°C freezing point to 100°C boiling point of water.

°C

Today we have a range of safe non-toxic, smart and digital thermometers:

Built in oven thermometer

Infrared thermometer

Probe thermometer