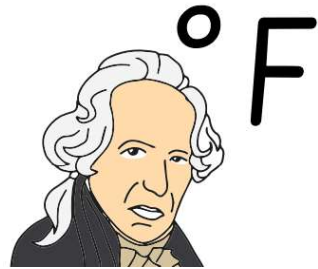


Year 5 Knowledge
Organiser –
Monitoring
Devices



Key Facts:
Daniel Gabriel 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).

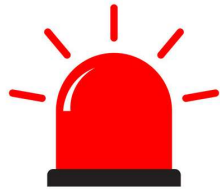
Anders Celcius
Later in 1742, inventor Anders Celsius developed the 'Celsius' or 'Centigrade' scale (°C) that we know and use in the UK today. It is based on the 0°C freezing point to 100°C boiling point of water.



Key Vocabulary:

- Boolean** - A form of data, which consists of (true) Is and (false) Os 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.

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

Built in oven thermometer



Infrared thermometer



Probe thermometer

