

Topic: Investigating weather.

Year: Four

Theme: Select and use a variety of software on a range of devices.

How to use computers purposefully and safely.

- Investigate global weather and record data in a spreadsheet.
- Design a weather station including what it will measure and in which units it records the data.
- Learn how weather is forecast and use the internet for research, recording the data on a spreadsheet.
- Use 'green screen' technology to create and present a weather forecast.

Key Skills – learn how sensors are used to collect data.

A weather station uses a system of sensors to monitor the atmosphere:



Key Vocabulary

Algorithm	A clear set of instructions to carry out a task or solve a problem.
Climate	The weather conditions you would normally expect in a location.
Device	Equipment created for a certain purpose or job.
Forecast	A prediction of what might happen in the future based on the information you have – for example, a weather forecast.
Log data	A record of information collected by a person or computer.
Predict	Make a guess of what might happen in the future.
Record	To store information so that you can review it later.
Sensor	A device used to monitor and detect changes in a condition. An example is a smoke detector which will sound if it finds smoke in the air.
Spreadsheet	An electronic file where data can be stored and analysed.
Temperature	How hot or cold something is.

Websites to help:

Learn what a spreadsheet is and how they can be used:

<https://www.schoolsofkingedwardi.co.uk/ks2-computing-information-technology-5-spreadsheets-charts/>

Learn how weather is recorded:

<https://www.bbc.co.uk/bitesize/cips/zw9q6sg>