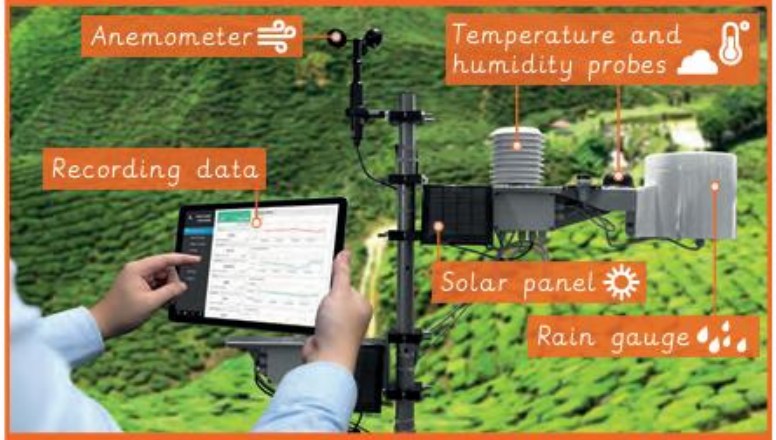
Computing Knowledge Organiser

Year 4	Weather Investigation	Summer 1 and 2

Algorithm	A sequence of instructions which, when followed, solve a problem.
Automated machine	Works without the need for human interaction, after being programmed to carry out a specific job.
Calculate	To use mathematics to discover, prove or solve something.
Climate	The weather conditions you would normally expect in a location.
Device	Equipment created for a certain purpose or job.
Forecast	To predict what might happen or occur as the result of something in the future (for example, weather forecasts).
Log data	A record of information that has been collected by a person or a computer, while monitoring something.
Predict	To make an educated guess, as to what might happen or occur as the result of something in the future.
Record	To log information in the present (for example data during a science experiment), to look back on it in the future.
Sensor	A tool or device that is designed to monitor, detect and respond to changes for a specific purpose, such as a smoke alarm, which will ring if smoke is detected in the air.
Source	Where something comes from, for example milk is a source of calcium.
Spreadsheet	A file where you can input, sort and analyse data across a series of cells.
Temperature	How hot or cold something is.
Weather	The current condition of the atmosphere around the world, such as the temperature, rain, wind, clouds and sunshine.

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



Weather satellites collect and send data back down to Earth, after monitoring the atmosphere from space.



When filming remember to:

- Don't film into the light e.g by a window
- Don't stand too close or too far away
- Make sure your surroundings are quiet
- Let the presenter know when to start by saying, "3,2,1 action!"
- Keep the presenter in the middle of the screen - no chopped off heads!