



Be the best that we can be.

EBJ Knowledge Organiser Computing Year 4

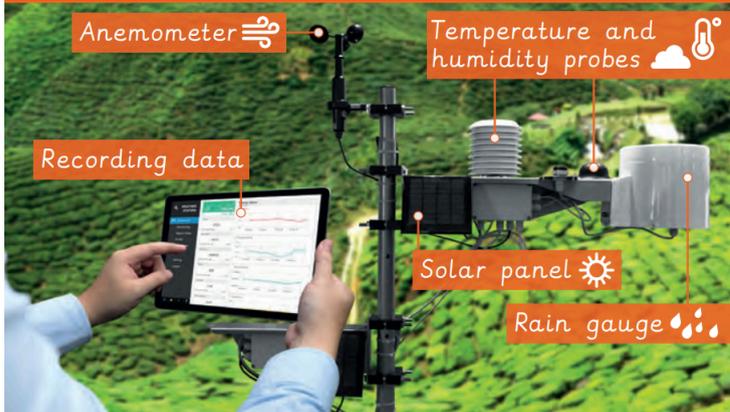
Autumn 2

Weather investigations



Weather stations and satellites

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

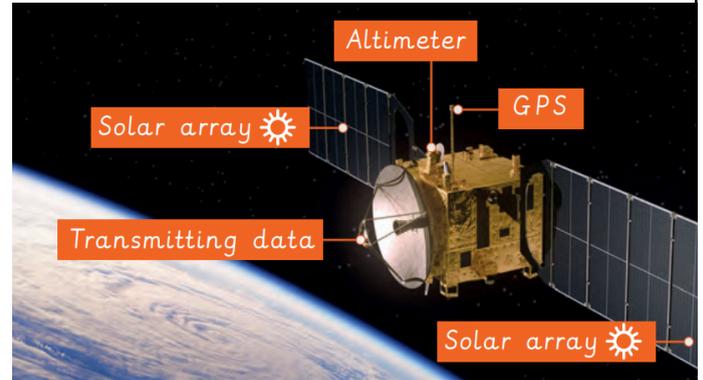


Why is weather investigated?

Weather is investigated to improve weather forecasts for public safety, economic stability, and resource management, which includes protecting against natural disasters and understanding how human activities, like climate change, are impacting weather patterns. This involves collecting detailed data from weather stations and satellites, using it in sophisticated computer models to predict future conditions, and conducting research into atmospheric phenomena like storms, air quality, and the impact of extreme weather

Weather satellites

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



Handy hints for filming

- 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!



Key Vocabulary

Automated machine	Works without the need for human interaction., after being programmed to carry out a specific job.
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 (eg weather forecasts)
Log data	A record of information that has been collected by a person or a computer, while monitoring something.
Sensor	A tool or device that is designed to monitor, detect and respond to changes for a specific purpose.
Spreadsheet	A file where you can input, sort and analyse data across a series of cells.
Weather	The current condition of the atmosphere around the world, such as temperature, clouds, rain, wind and sunshine.

