



Prior Learning	
<p>Prior learning will be the children’s knowledge of databases and spreadsheets specifically what is meant by ‘field’, ‘record’ and ‘data’ as well as how to input values, sort, filter and interpret data in a spreadsheet. They will also use their knowledge of the water cycle from last term.</p>	
Key vocabulary for this unit	
Accurate Backdrop Climate zone Collaboration Condensation Cylinder Degrees Evaporation Extreme weather Forecast Heat sensor	Pinwheel Satellite Script Sensitive Sensor data Solar panel Temperature Thermometer Tornado Weather Weather forecast
Learning Sequence	
What is weather?	<ul style="list-style-type: none"> To log data taken from online sources in a spreadsheet.
Weather stations	<ul style="list-style-type: none"> To design a weather station.
Extreme weather	<ul style="list-style-type: none"> To design an automated machine to respond to sensor data.
<ul style="list-style-type: none"> Satellites and forecasts 	<ul style="list-style-type: none"> To understand how weather forecasts are made.
<ul style="list-style-type: none"> Presenting forecasts 	<ul style="list-style-type: none"> To use tablets or digital cameras to present a weather forecast.
Assessment milestones	
Key ICT Skills:	Key ICT Knowledge:
<ul style="list-style-type: none"> To create a video which includes weather forecast information. 	<ul style="list-style-type: none"> To understand that weather stations use sensors to gather and record data that predicts the weather.

- To use keywords to effectively search the web to find temperatures of different cities and record this accurately.
- To recording data in a spreadsheet independently.
- To sort data in a spreadsheet to compare using the 'sort by...' option.

- To understand that data is used to forecast weather.
- To understand that weather forecasters use specific language, expression and pre-prepared scripts to help create weather forecast films.