Check the Forecast

Task 1. How could the weather make it difficult for Grange Park School to have an outdoor fun day?

Where can you find information about weather forecasts?

Task 2. To be able to forecast what the weather is likely to be, scientists measure the weather conditions and collect raw data over a period of time using some of the following instruments.

Research Activity, use a computer to find out what each of the following measuring instruments do and match each instrument to one of the conditions in the table below.

1. Hydrometer
2. Barometer
3. Weather Vane
4. Thermometer

5. Anemometer
6. Pluviometer
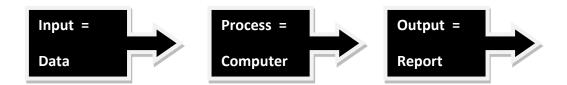7. Light meter

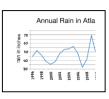| Conditions	Word
Wind Speed	
Wind direction	
Rainfall	
Humidity	
Hours of sunshine	
Temperature in the open	
Air pressure	
Temperature in the shade	

Task 3. Raw data is a lot of unorganised numbers and/or information that is collected by scientists. Often it is not very useful as it is and has to be turned into useful information. In your opinion, what sort of data would you need to collect before you can begin to forecast the weather?

Data gathered is organised on a computer, using the 'input-process-output' model. See below.

| Input = Data | → | Process = Computer | → | Output = Report | → |

What do you think data input might be, give an example?

How do you think a computer can be programmed to help you process the data?

Where there is a lot of data how could a computer be used to help tally and present it?