**Year 7 Weather and Climate**

**Lesson 3** - Making a weather diary

[Start by watching this video about how we measure the weather](https://www.youtube.com/watch?v=Qk7KpzF9FtI) (3mins)

[Then Watch this video about making a weather diary](https://www.youtube.com/watch?v=Uo8lbeVVb4M)

Have a think about which of these instruments you might have at home. You might have a thermometer or a barometer for example. Don’t worry if you don’t have any as we can use the weather data from this RAF station below.

[Now click this link to look at the live data from Met Office.](https://www.metoffice.gov.uk/) Add in your location. To get pressure select surface maps from the top.

To measure cloud cover, look up in the sky. If there is no cloud the answer is 0 oktas. If there is full cloud the answer is 8 oktas. If half of the sky is covered in cloud it is 4. You get the idea!

Now your task is to record the weather at the same time every day for 7 days and complete the chart below. For those instruments that you don’t have at home refer to the RAF Cosford website to get the data. Fill in the weather details for today, now.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Day** | **Temp C** | **Wind speed** | **Wind direction** | **Relative humidity** | **Pressure mB(scroll down)** | **Cloud cover** | **Rain - yes/no** |
| 18 May | 19C | 15MPH | FROM EAST | 63% | 1024MB | 0 | NO |
| 19 May |  |  |  |  |  |  |  |
| 20 May  |  |  |  |  |  |  |  |
| day 4 |  |  |  |  |  |  |  |
| day 5 |  |  |  |  |  |  |  |
| day 6 |  |  |  |  |  |  |  |
| day 7 |  |  |  |  |  |  |  |

**Complete the weather diary above for the next 7 days. Remember to take the readings at the SAME TIME EACH DAY and don’t stare into the sun! Use the RAF data if you don’t have any instruments at home.**