**FIELDWORK ACTIVITY: MICROCLIMATES**

Measure temperature, humidity and wind speed at 4 different locations around your school. Try to ensure that the sites are quite different – e.g. one out in the open, one in a sheltered area, etc.

You will need:

* Thermometer
* Hygrometer
* Anenometer
* Lead pencil
* Blank paper

Create a table in your exercise book similar to the one below:

|  |  |  |  |
| --- | --- | --- | --- |
| Location and brief description | Temperature | Humidity | Wind speed |
|  |  |  |  |
|  |  |  |  |

**Using the hygrometer:**

Ensure that the chamber at the bottom of the wick of the wet thermometer is filled with water and that the wick is wet. Read the wet and dry thermometers. Subtract the wet bulb measurement from the dry. Examine the table on the hygrometer, and read the humidity off the table using your wet-dry thermometer measurement.

**Analysis:** Try to determine why the atmospheric conditions at each location were different. What are the factors that may have influenced the conditions?