



## Meteorologist Badge Requirements.

1. Keep a daily record of the weather from your own observations for at least one month, to include at least four of the following:

Wind force and direction

Cloud type and amount

Weather - using Beaufort letters

Temperature

Pressure

Rainfall amount.

2. Understand the working principles of the following instruments and construct a simple version of one of them:

Thermometer

Barometer

Sunshine recorder

Anemometer

Rain gauge.

3. Understand at least three different ways in which clouds are formed.

4. Know the typical weather produced in your own area by 'warm and 'cold' air masses in summer and winter, noting the different effects of land and sea tracks. Understand the weather associated with a change of air mass at 'fronts'.

5. Know how synoptic weather maps are produced and be able to understand a simple map, with fronts and isobars, similar to those shown on television and printed in some newspapers. Relate your observations in requirement 1 to these maps.

6. Understand the effects of temperature, wind and water on the human body in cases of hypothermia and exhaustion.