

Setting up a weather station: measuring wind direction

Planning and Activities

Objectives

Look at the wind and wonder if there is a link between wind direction and rainfall. Does the wind change direction during the day? Make a wind-sock to measure the direction of the wind in the playground.

Science Objectives

- i) Observe changes across the four seasons.
- ii) Observe and describe weather associated with the seasons and how day length varies.

Working Scientifically

1. Ask simple questions and recognise that they can be answered in different ways.
2. Observe closely, using simple equipment.
3. Perform simple tests.
4. Identify and classify.
5. Use their observations and ideas to suggest answers to questions.
6. Gather and record data to help answer questions.

Teaching

- Make a wind sock to measure wind direction.
- Observe and record wind direction over time and notice patterns between rainfall and wind, and changes in direction.
- Use the scientific vocabulary: wind, direction, gauge, patterns and data.

Activities

1. Understand that wind direction is measured using a wind sock.
2. Observe the wind direction over time and notice any patterns between rainfall and wind.
3. Consider if the time of day has an effect on the wind direction.

Investigation - observing over time, pattern seeking

Make a windsock to measure wind direction and a wind vane to measure the direction of the wind.

Vocabulary

Weather, rainfall, precipitation, data, wind, direction, gauge, patterns

Weblinks

Follow the link [Windsocks and their uses](#) to see some real wind socks and to learn about what they are used for.