

## Weather and Climate

### Topics covered

This topic covers:

- weather
- climate
- climate change - evidence for changing climate, how we can help to prevent this
- rainfall
- rainbows

### Objectives

- Communicate the difference between weather and climate
- Explore rainfall
- Explain why our climate is changing

### Learning outcomes

- Understand how rain is formed and why it falls under certain conditions, and how to measure it
- Appreciate that our climate is changing due to human activity - and how we can help prevent this

### Activities

- Make a rain gauge
- Measure rainfall
- Compare with other data

### Suggested approach

#### Weather

- Discuss how our weather in Bournemouth is compared to other parts of Britain and other countries.
- Think about how local weather has affected the history and socio-economic aspects of this area.

#### Climate change

- Discuss the local implications of climate change.

## Economic and social implications of the local climate

- Why have certain industries set up in this area?
- Why do you think many elderly people like to retire here?

## Rainfall

- Measure rainfall
- Compare to national average - why are there differences
- Compare different months/years - what consequences might there be?
- What are the effects on economy?
- Draw graphs
- Make predictions

## Useful resources

The Met Office's website provides excellent materials for pupils and teachers.

<https://www.metoffice.gov.uk/>