

# UK Weather Journey

Developed by Lesley Hunter, Creavery Primary School and AstraZeneca Primary Science College Member

## Teacher's Notes

### Overview

This is a "Weather" game for use with an upper KS1 class, looking at seasonal and daily weather patterns. Differentiation is easy within a class by using different sets of question cards. Print sets on different coloured card so that pupils are not aware that some of the questions are different. Weaker readers could be supported by a classroom assistant.

### What to do

The game consists of a journey through different 'stations' in a classroom or hall. At each station the pupil (or group) must answer a question with 3 possible answers. Choosing the correct answer will lead to the next venue and the final one will take you back to where you started. Pupils do not know the order in which they have to visit the stations and, as it is circular, groups can start at different places.

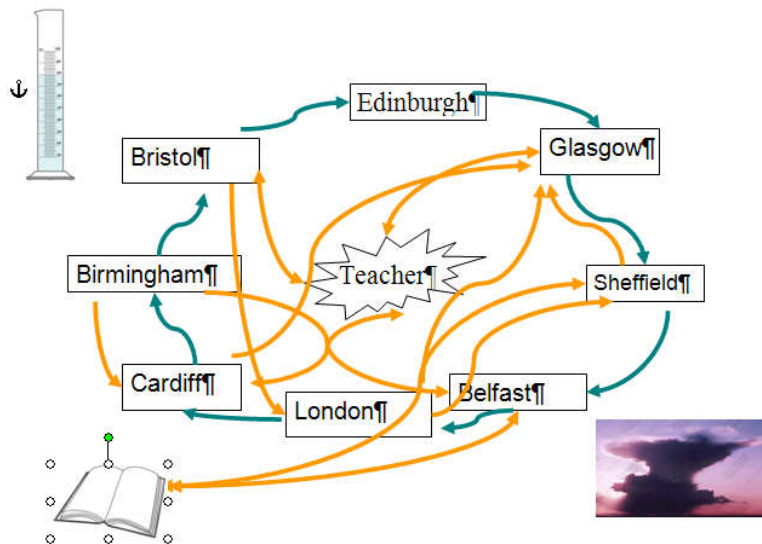
Incorrect answers result in penalties which can either send pupils back to somewhere they have already visited or describe another task.

At each station pupils collect a piece of interesting information. These can then be used for extension work for the whole class or for the more able pupils.

### Preparation

There are 8 stations, 2 alternative sets of question cards with three possible answers for each question.

Print one set of questions for each student or group. The second set is easier.

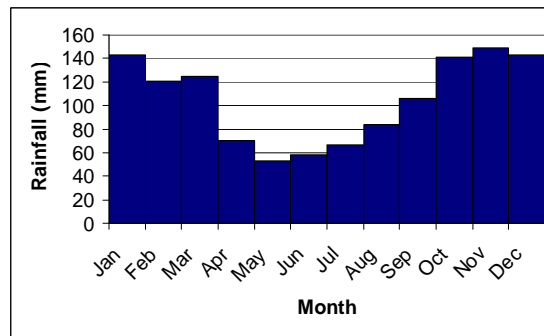


Print and cut out the answer cards, fold along the dotted line and stick the backs together to give a two sided card. Put each set of 3 answers on one table in the classroom or hall, with the white side up together with the large station name (Edinburgh, Sheffield etc.).

**Pupils must always turn answer cards back over again when they have looked at them.**

## Questions

**Edinburgh** Which month has the highest rainfall in this image?



**Glasgow** What is the temperature on this thermometer?



**Sheffield** What do you measure with an anemometer?

**Belfast** Read these four descriptions of cloud types. Which is shown in this photo?

Cirrus: High, delicate, wispy clouds.

Stratus: Grey, flat, boring sheets of cloud.

Cumulus: Fair weather clouds which looks like cotton wool balls.

Cumulonimbus: Towering thunder clouds, which can give heavy rain and even tornadoes.



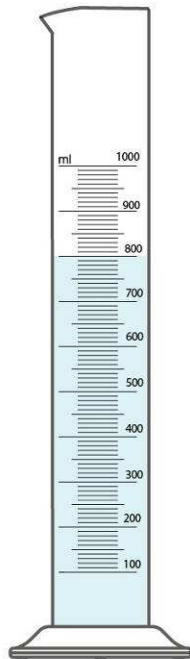
**London** Which of these three phrases best describes the climate of the U.K.?

A Hot, dry summers and very cold winters

**B** Warm, wet summers and cool, wet winters

**C** Warm and wet all year round.

**Cardiff** How much rain is in this measuring cylinder?



**Birmingham** Put these descriptions of wind speeds in order with the windiest first. Which is in the middle of your list?

A Raises dust and loose paper; small branches moved

B Smoke rises straight up.

C Large branches moving; umbrellas used with difficulty.

D Wind felt on face; leaves rustle; wind vane is moved by the wind

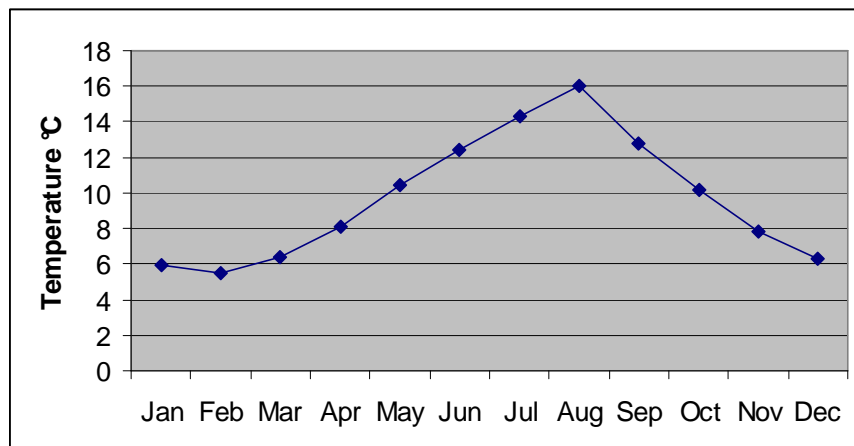
E Twigs break off trees; it's hard to walk around.

**Bristol** Look at the 3 pictures of thermometers. Which shows the temperature of a summer's day here?

## Questions

**Edinburgh** Which of these months is in Autumn?

**Glasgow** What is the highest temperature on this graph?



**Sheffield** What does this instrument measure?



**Belfast** Which of these clouds is likely to get you wet?



Cirrus



Cumulus

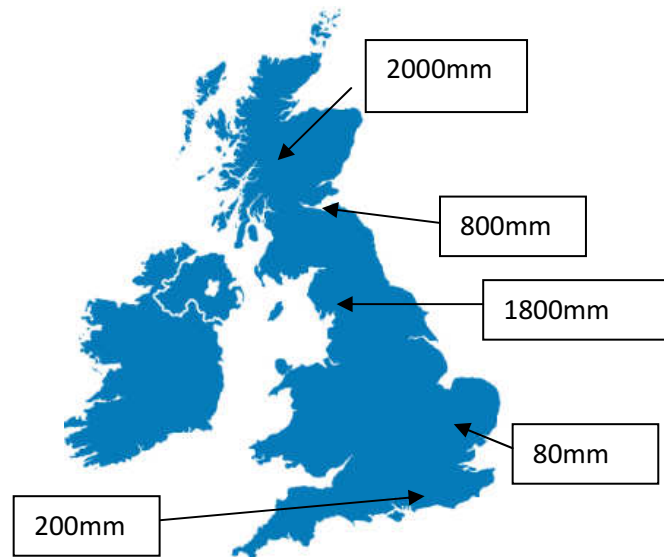


Cumulonimbus

**London** What are clouds made of?

- A Air
- B Water droplets
- C Cotton wool

**Cardiff** How much rain is there in Edinburgh?



**Birmingham** In a thunderstorm, the safe place to be is:

- A Inside
- B Swimming in a lake
- C Under a tree
- D Standing up in the middle of a field.

**Bristol** Which of these thermometers shows 24°C?

## Answer Cards

<p>Edinburgh 1</p> <p>January</p>	<p>Write this sentence in your book and try again: December, January and February are winter months.</p>
<p>Edinburgh 2</p> <p>May</p>	<p>Heavy rain has caused flooding. Stay where you are for 30 seconds before trying again.</p>
<p>Edinburgh 3</p> <p>November</p>	<p>Go to Glasgow and write down 'it can go for as long as 3 years without raining in the Sahara desert'.</p>

Glasgow 1	16°C	Go to Sheffield and write down 'In a tornado, the wind can blow faster than the fastest racing car'
Glasgow 2	4°C	A tornado blows you back to the teacher for advice.
Glasgow 3	14°C	Heavy rain has caused flooding. Stay where you are for a minute before trying again.
Sheffield 1	Rainfall	Go and look at a book to help you answer this question.

Sheffield 2	Wind speed	Go to Belfast and write down 'The largest hailstone ever measured was almost 18cm across!'
Sheffield 3	Wind direction	Go to Glasgow
Belfast 1	Cumulonimbus	Go to London and write down 'The windiest place on Earth is in Antarctica'
Belfast 2	Cumulus	Look up the word 'cumulonimbus' in a dictionary or book before trying again.



<p>Belfast 3</p> <p>Stratus</p>	<p>Heavy rain has caused flooding. Stay where you are for 30 seconds before trying again.</p>
<p>London 1</p> <p>A</p>	<p>Go to Glasgow</p>
<p>London 2</p> <p>B</p>	<p>Go to Cardiff and write down 'The wettest place on Earth is in India'</p>
<p>London 3</p> <p>C</p>	<p>Go to Sheffield</p>

Cardiff 1	Eight hundred ml	Go to Birmingham and write down 'There are more than 30 tornadoes in the UK each year'
Cardiff 2	Eighty ml	Go to Glasgow
Cardiff 3	Two hundred ml	A tornado blows you back to the teacher for advice.
Birmingham 1	A	Go to Bristol and write down 'The world's biggest snowflake was 38cm across and 20cm thick'

Birmingham 2

C

Go to Belfast

Birmingham 3

D

Go to Cardiff

Bristol 1



Go to Edinburgh and write down 'Sprites, Blue Jets and Elves are all types of lightning.'

Bristol 2



Go to London

Bristol 3



A tornado blows you back to the teacher for advice.

# Edinburgh

Glasgow

Sheffield

Belfast

Bristol

Birmingham

Cardiff

London