

Meteorology

Explore Term Geography

Weather Charts

Meteorology

This term is our EXPLORE term

During this term we will be thinking about these questions:

- **Philosophical question:**
How does where we live affect our identity?
- **Geographical question:**
How does weather affect our lives?

Today we are going to be learning about weather charts



What are we learning today?

Investigate places:

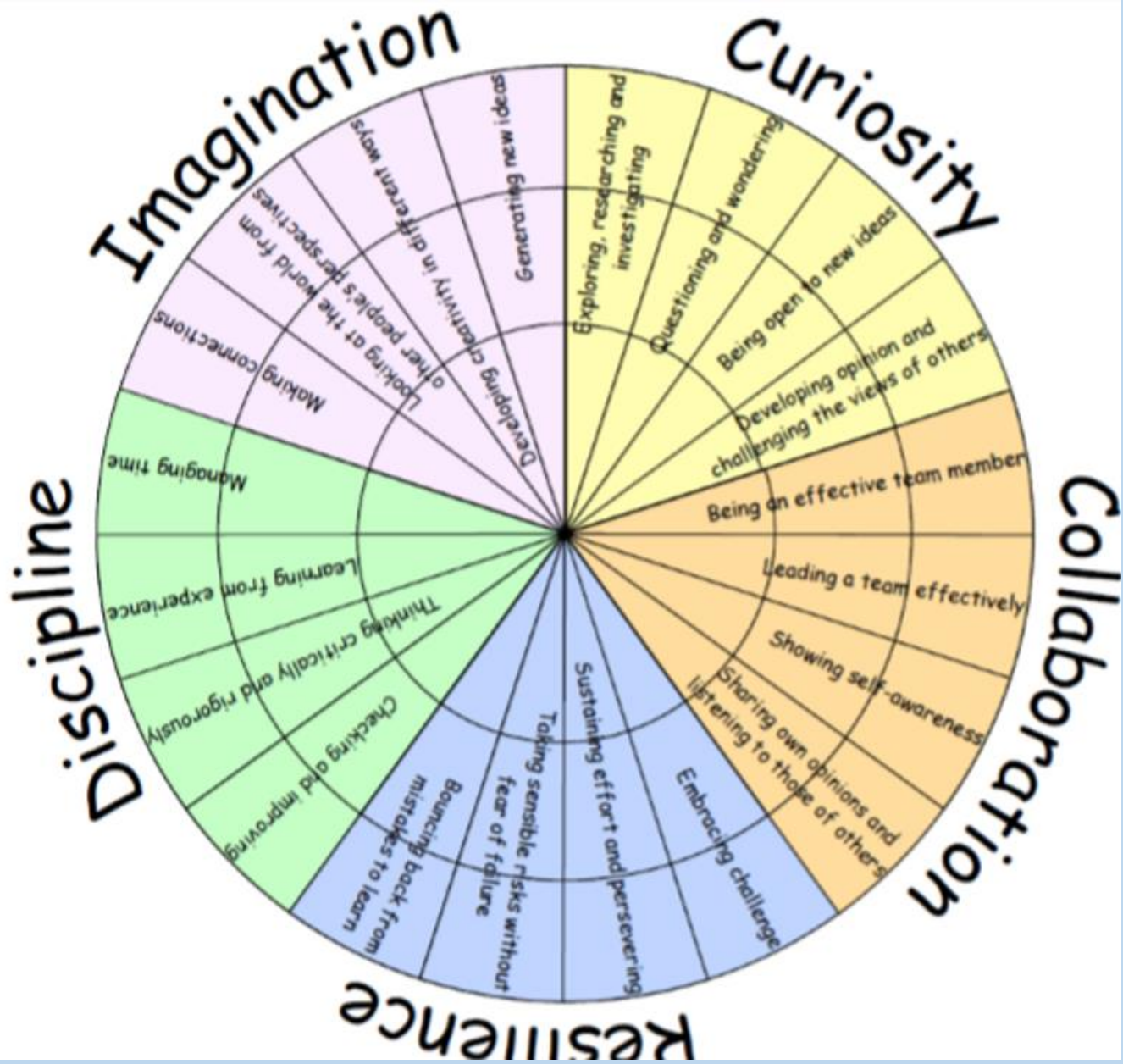
- Identify the location of hot and cold areas of the world in relation to the Equator and the North and South Poles
- Use world maps to identify countries and continents
- To know that climates vary in different parts of the world

Learning objectives:

- Identify seasonal weather patterns in the UK.
- To talk about seasonal weather patterns in the UK.
- To gather and record data using weather instruments and use this to answer questions.

Skills:

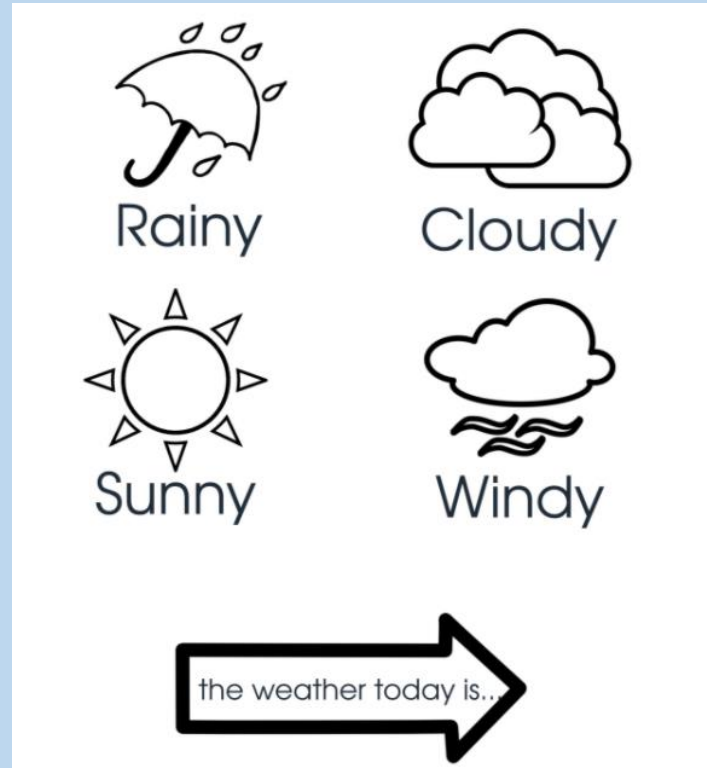
- Talk about seasonal weather patterns in the UK
- Gather data using weather instruments and record them on a weather chart
- Answer questions about weather data



LEARNING HABITS:

Which learning habits do you think we will need to use today?

Weather Charts



During this session, you will make a weather chart and become official weather watchers! You will use your chart to find out how the weather changes at home. Over the next 5 days, you will use your weather instruments to collect data. What weather have you been finding out about? (Wind, rain, sun.) In which seasons are you most likely to find wind, rain and sun?

Weather Charts



How will you be measuring the wind? What will you be measuring?

How will you know how much rain has fallen?

How will you find out how sunny and what temperature it is?

Weather Charts

Now you will watch a clip of some more weather watchers.

Show the 'Making weekly weather recordings' video clip.

Why is it important to monitor the weather?

Talk partners discuss this and then share their answers.

Monitoring the weather keeps you safe on roads, on trains and in planes.

You can plan leisure activities outside and be safe at sea.

At sea, they even use a special forecast called a shipping forecast.

Monitoring the weather can save lives.

Weather Charts

In some countries, storms are common.

How could monitoring storms save lives?

Watch the [National Geographic recording of hurricane destruction.](#)

Can you give me any words to describe a hurricane?

How would you feel if that was your house in the clip?

Weather Charts

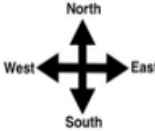

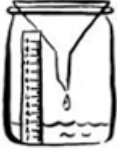
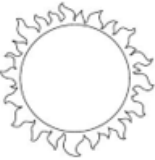

How to make a weather chart

You will need:

- coloured pens or pencils
- the table template
- your wind streamer, rain collector and sun catcher
- a compass (for wind direction)
- a copy of the Beaufort scale (for wind strength)
- a temperature guide.

Instructions

1. Use the chart template
2. Leaving the top row blank, write the days of the week in the first cell of each row.
3. Leaving the first column blank, draw and colour pictures or write labels for what you are measuring in the first cell of each column.

	Wind direction 	Wind strength 	Rainfall (cm) 	Sunshine 	Temperature 
Monday	<i>north</i>	<i>light breeze</i>	<i>none</i>	<i>very sunny</i>	<i>hot</i>
Tuesday	<i>east</i>	<i>moderate breeze</i>	<i>3 cm</i>	<i>not sunny</i>	<i>cold</i>
Wednesday	<i>north</i>	<i>no wind</i>	<i>none</i>	<i>sunny</i>	<i>warm</i>
Thursday	<i>south</i>	<i>light breeze</i>	<i>5 cm</i>	<i>not sunny</i>	<i>cold</i>
Friday	<i>south</i>	<i>light breeze</i>	<i>2 cm</i>	<i>not sunny</i>	<i>cold</i>