

# WEATHER WATCH

What is the weather like in your area?

*Let's try watching the weather and see how it changes...*

**When you are working on this project, you will:**

- Learn about the different types of weather that we experience,
- Record what the weather is like each day,
- See how the weather changes over time.



Cherrapunji in India had the most rainfall ever recorded. Over 25 metres of rain fell in one year!

Weather is the day to day change in the atmosphere, but the climate tells us how the weather has changed over a much longer period (e.g. 30 years).

There are millions of lightning storms around the Earth every year.

**This pack includes:**

- Information about the different types of weather,
- Pictures of symbols that we use to represent the weather,
- Recording sheets to help you draw or write your weather data.

**If you enjoy this project, why not...?**

- Watch (or listen to) a weather report for your area. Could you use a mobile device to record your own audio or video report?
- Use [DKfindout](#) to learn more about the topic.
- Make your own weather station [using these instructions](#) from the Met Office.

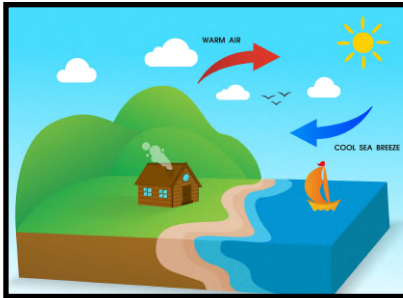


- Use a weather site (e.g. Wunderground) to:
  - Look at the weather forecast for your area,
  - Look at historical weather data for where you live,
  - Compare the weather with other places around the world.

# WEATHER WATCH

## What do you know about the weather?

The weather affects our daily lives; it influences the clothes that we wear, the activities that we do and even the food we eat.



### The Sun

The sun is the main factor driving our weather. When the heat of the sun reaches the atmosphere, it heats up the air. Hot air moves towards cooler areas, causing wind currents and moving the air and the moisture in it.

### Wind

The wind is the air moving from one place to another. The wind speed is measured using an **anemometer** and the direction with a **weather vane**.

### Clouds

Clouds are made from droplets of water or ice crystals. This water comes from the air. As the warm air rises, it cools and condenses (changes from a vapour to a liquid) and the droplets form clouds. There are many different types of clouds. Here are some of them:

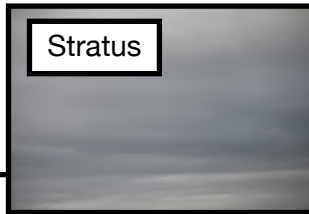
Cirrus



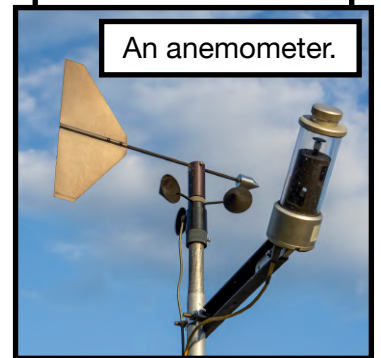
Cumulus



Stratus

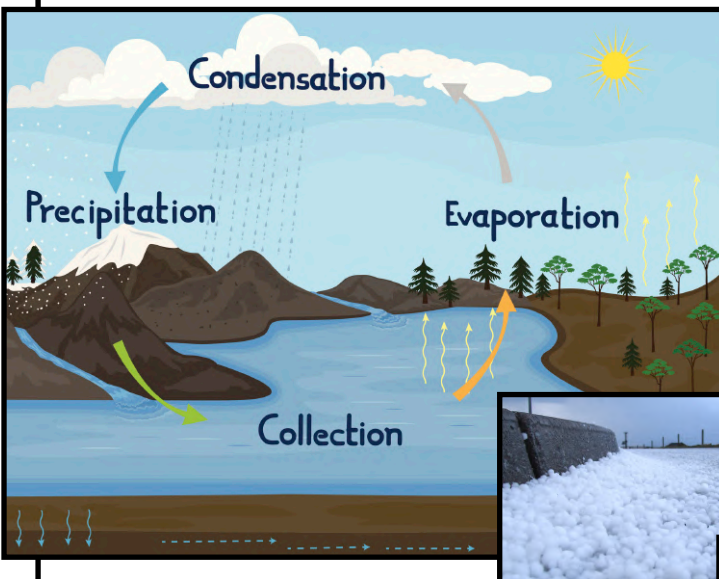


An anemometer.



### Precipitation

Precipitation is the name for water that falls to the Earth from clouds. There are different types of precipitation. Some of these include:



Rain



Snow



Hail



Sleet



Fog

### Extreme Weather

From time to time extreme weather can occur, such as flooding caused by heavy rain, thunderstorms and blizzards.

A tornado.



A lightning storm.



Driving in a blizzard.



# WEATHER WATCH

We sometimes use symbols to represent the weather.

Have you seen symbols like these  
on a TV weather report or in a weather app?

What do you think each symbol represents?



Now, choose one of the recording sheets from this pack  
and use it to track the weather data.

When you have finished, think about how the weather  
changed during the week. Was there a pattern?



# This week's weather

Use the space below to show what the weather is like each day. You could draw a picture, use weather symbols or write a description of what the weather is like.



**Monday**

**Tuesday**

**Wednesday**

**Thursday**

**Friday**

<b>This week's weather</b>	Use the boxes below to draw a picture of the weather each day. You could also use weather symbols.	Write a description of the weather in the boxes below.
<b>Monday</b>		<hr/> <hr/> <hr/> <hr/>
<b>Tuesday</b>		<hr/> <hr/> <hr/> <hr/>
<b>Wednesday</b>		<hr/> <hr/> <hr/> <hr/>
<b>Thursday</b>		<hr/> <hr/> <hr/> <hr/>
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# Weather Observations

Date	Time	Temperature	Rainfall	Wind Direction	Comments







# Weather Observations

Date	Time	Temperature	Rainfall	Wind Speed	Wind Direction	Air Pressure	Comments

