



### Previous Learning

Year 4 have learnt about different materials and their properties and how they are used. We have also learnt about the different seasons and noticing weather patterns. We have learnt to make observation and think scientifically – knowing how and why we need to make an experiment fair and research what we do not know.

# Climate Change

### Effects of Climate change



floods



droughts

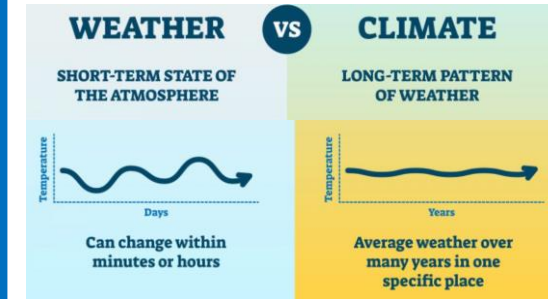


storms



melting sea ice

### Weather Vs Climate



### How can we tackle climate change?

#### Renewable power sources



Wind turbines turn the **energy** from the wind into electricity.



Solar panels turn the **energy** from sunshine into electricity.



The **energy** from heat deep underground can be turned into electricity. This is geothermal **energy**.



Biomass means 'natural material'. It is burned to create **energy**.

### Vocabulary

|               |  |
|---------------|--|
| energy        | <b>Energy</b> makes everything work.   |
| power         | Electricity, gas and oil are all sources of <b>power</b> . They give us <b>energy</b> to make things work.   |
| non-renewable | <b>Non-renewable power</b> sources such as coal, oil and gas can't be replaced once they have been used. Scientists think these are running out.   |
| renewable     | <b>Renewable power</b> sources can be replaced. This means they will never run out. Solar <b>power</b> , wind <b>power</b> , geothermal <b>power</b> , biomass and wave <b>power</b> are all <b>renewable power</b> sources. |
| endangered    | Being <b>endangered</b> means that scientists think that a type of animal or plant is at risk of becoming <b>extinct</b> .   |
| extinct       | <b>Extinct</b> means that there are none of that type of animal or plant left alive.   |