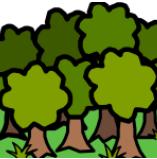
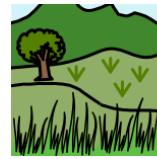
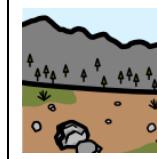
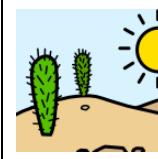
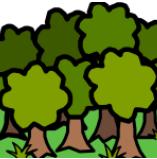
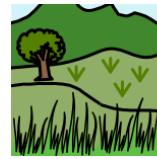
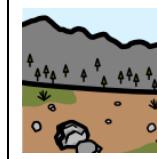
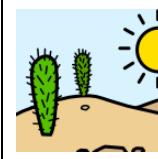
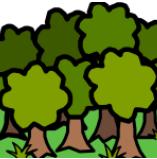
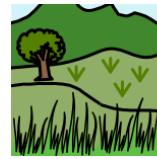
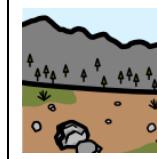
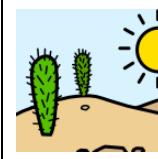
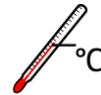
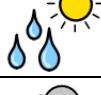
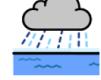
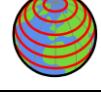
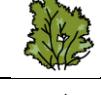


Year 3 Spring 1. Geography - Weather and Climate

Vocabulary			Knowledge											
weather	The average day-to-day levels of rainfall, temperature, wind and humidity and that climate for a given area.		<p>The Earth can be divided into three climate zones.</p> <table border="1"> <tr> <td></td><td>Polar - cold summers and winters, usually below 10 degrees. Temperate - four clear seasons; wetter in the winter; drier in the summer. Tropical - rainfall, humidity and high temperatures with little difference between summer and winter.</td></tr> </table> <p>The climate of an area determines the vegetation that grows and the animals that thrive there. There are five different <b>vegetation regions</b> in the world:</p> <table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td></tr> </table> <p>Forest regions are covered in trees.</p> <p>Grasslands are dominated by grasses and some flowers.</p> <p>Tundra is where there is a mixture of grasses, lichen and moss.</p> <p>Deserts have low precipitation and some plants.</p> <p>Ice sheet are large masses of ice with very little plant-life.</p>						Polar - cold summers and winters, usually below 10 degrees. Temperate - four clear seasons; wetter in the winter; drier in the summer. Tropical - rainfall, humidity and high temperatures with little difference between summer and winter.					
	Polar - cold summers and winters, usually below 10 degrees. Temperate - four clear seasons; wetter in the winter; drier in the summer. Tropical - rainfall, humidity and high temperatures with little difference between summer and winter.													
														
climate	The average of rainfall, temperature, wind and humidity for an area.													
precipitation	A collective term for rain, snow, sleet and hail.													
temperature	How hot and cold an area is (measured in degrees c or °c).													
humidity	The amount of water that is in the air.													
rainfall	The amount of rain that falls.													
equator	The imaginary line at the widest part around the earth.													
latitude	Imaginary horizontal lines either north or south of the equator and are measured in degrees used to locate an area.													
climate zone	An area which has its own distinct climate.													
vegetation	The type of plant-life in an area.													
flood	When areas which are typically dry are covered in water.													
hemisphere	The top half of the Earth above the equator is called the Northern Hemisphere and the bottom half of the Earth is called the Southern Hemisphere.													

Quizzing		Quiz at home
Ask your partner the questions below. Can they find the correct answer on the right-hand side?		Ask your adult to look at the KO.
What is the word for how hot or cold an area is?	The equator	Quiz them using the vocabulary and knowledge section or the quiz questions.
Which type of weather is typical in a desert?	Grasses, lichen or moss	• Can they beat your score?
What is the name for the bottom half of the Earth?	The climate	• Can they score more than 5? 10?
What types of diseases increase during flooding?	Tropical	• Compete with your adult in the elimination quiz. Take it in turn to ask each other questions. The first person to get a question wrong is out.
What effects the vegetation of a region?	Temperature	
Which climate zone has four clear seasons?	Waterborne	
Name something that grows on the tundra.	Southern hemisphere	
What is the name for the imaginary line at the widest part around the earth?	Temperate	
Which climate zone has high rainfall, high humidity and high temperatures?	Low rainfall	
BIG Questions	Beat the adult	
1. What are the differences between a location's weather and its climate? 2. In which climate zone is the United Kingdom? Australia? Brazil? 3. Name five vegetation regions. 4. Where are the polar climate zones located? 5. Name four effects of flooding. 6. Why are deserts at the Equator hotter than tundra regions at the poles? 7. What are the eight main points on a compass?	Your teacher can give <b>10 facts in 1 minute</b> about this topic.  How many can you give to your partner? 	 
Word scramble	Creative Tasks	Challenge
Unscramble the key vocabulary from this topic below. You can create your own at the bottom	1. Use a blank copy of the KO to fill in the missing information.  2. Use recycled materials to create a sculpture representing climate change.  3. Write a poem based on the climate of the United Kingdom.  4. Make, paint or draw a polar habitat including the vegetation and animals that live there. 	<p>A country in the Northern Hemisphere in the polar climate zone. -----</p> <p>Where in the World?</p> <p>A country in the Southern Hemisphere in the temperate climate zone. -----</p> <p>A country in the Northern Hemisphere in the tropical climate zone. -----</p> <p>A country in the Northern Hemisphere in the polar climate zone. -----</p>

## Enquiry

### Weather and Climate

Look at today's weather forecast.

Predict what the weather will do tomorrow, include temperature, rainfall, wind strength and direction.

Continue this for a week.

How accurate were you?

Was the forecast you watched accurate?

Use weather symbols similar to those on the forecast you watched.

Mon 20th	Tue 21st	Wed 22nd	Thu 23rd	Fri 24th	Sat 25th	Sun 26th
 20° 11°	 23° 11°	 25° 14°	 29° 17°	 25° 16°	 27° 18°	 24° 16°

Here are three countries – one in each climate zone.

Look at them on a map and write down their latitudes.

- Iceland
- Indonesia
- Ireland

Here are three weather forecasts from different climate zones.

Look at them and work out which weekly forecast links to which climate zone. Explain your conclusion.

Mon 20th	Tue 21st	Wed 22nd	Thu 23rd	Fri 24th	Sat 25th	Sun 26th
 33° 23°	 31° 23°	 30° 23°	 31° 23°	 31° 22°	 32° 23°	 33° 23°

Mon 20th	Tue 21st	Wed 22nd	Thu 23rd	Fri 24th	Sat 25th	Sun 26th
 15° 11°	 14° 8°	 14° 11°	 15° 8°	 13° 7°	 11° 3°	 10° 4°

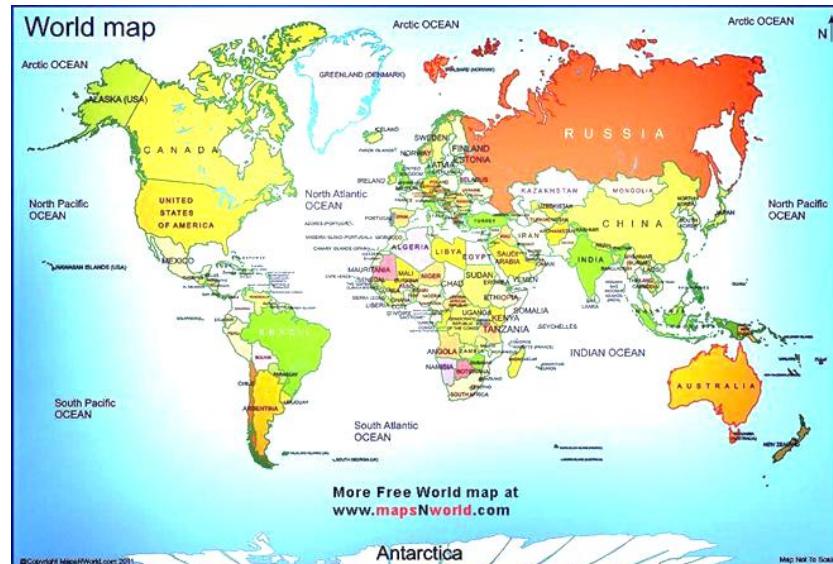
Mon 20th	Tue 21st	Wed 22nd	Thu 23rd	Fri 24th	Sat 25th	Sun 26th
 -3° -9°	 -4° -11°	 -5° -13°	 -5° -9°	 -5° -9°	 -6° -10°	 -7° -12°

Which of these weather forecasts is most likely to be in Iceland, Indonesia or Ireland?

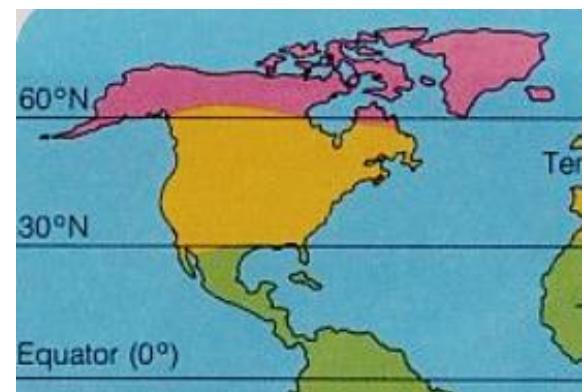
### Map Work

You will need a world map to complete this challenge.

- Locate Iceland, Indonesia and Ireland on this world map.
- Draw the Equator on the map.
- Draw lines where the climate zones change; between the polar and temperate climate zones, then the temperate zones and the tropics.

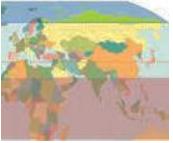
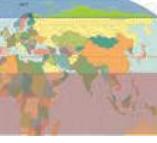
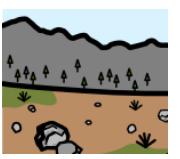
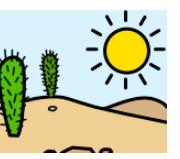
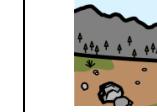
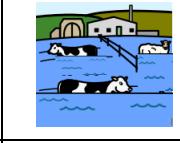
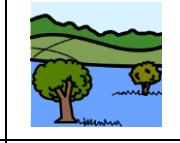
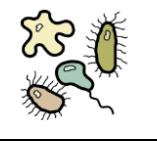
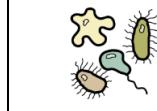
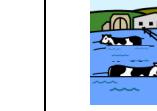


This is a map of the continent of North America. It is within all three climate zones.



Make a key using the three colours for the map labelling the climate zone.



Knowledge					Knowledge				
The Earth can be divided into three climate zones.					The Earth can be divided into _____ climate zones.				
	Polar Temperate Tropical					Polar - _____ summers and winters, usually below 10 degrees. Temperate - four clear _____; wetter in the winter; drier in the summer. Tropical - rainfall, _____ and _____ temperatures with little difference between summer and winter.			
The climate of an area determines the vegetation that will grow and the animals that thrive there. There are five different types of vegetation regions in the world					The climate of an area determines the _____ that will grow and the animals that thrive there. There are _____ different types of vegetation regions in the world:				
									
						Forest regions are covered in _____ have low precipitation and some plants. Tundra is where there is a mixture of _____, lichen and moss. Ice sheet are large masses of ice with very little _____. ____ are dominated by grasses and some flowers.			
					Some areas of the world experience _____ floods such as Bangladesh. This is due to (i) _____ close to the sea and rivers (ii) location near mountains, meaning snow melts during the summer, (iii) location near large _____ such as the Ganges.				
Flooding can affect people in many ways, including,						Floods can be caused by heavy rainfall, _____ and storms that lead to temporarily higher sea levels along a coast or higher water levels in a river. When areas of land that are usually dry become _____ with water, this is called a flood.			
					Flooding can affect people in many ways, including,				
									
Destruction of _____, causing shortages of food and finances.					Increase of _____ disease.				
Death of _____ which people need for food, provisions and _____.					_____. of people from the rising water and diseases.				
Destruction of buildings and _____.									

Write the definition for each of the following words		Write the vocabulary word for each definition	
Vocabulary		Vocabulary	
weather			rainfall The amount of _____ that falls.
climate			hemisphere The top half of the Earth above the equator is called the _____ Hemisphere and the bottom half of the Earth is called the _____ Hemisphere.
precipitation			weather The average day-to-day levels of rainfall, temperature, wind and humidity and that climate for a given area.
temperature			climate The _____ of rainfall, temperature, wind and humidity for an area.
humidity			precipitation A collective term for _____, snow, sleet and hail.
rainfall			temperature How _____ and cold an area is (measured in degrees c or °c).
equator			humidity The amount of water that is in the _____.
latitude			flood When areas which are typically _____ are covered in _____.
climate zone			equator The _____ part around the earth.
vegetation			latitude _____ horizontal lines either north or south of the equator and are measured in _____ used to locate an area.
flood			climate zone An area which has its own distinct _____.
hemisphere			vegetation The type of _____ in an area.