

Hot and Cold Places KS1 Knowledge Mat

Subject Specific Vocabulary

North Pole	The North Pole is the northernmost place on Earth. When at the North Pole all directions point south.
South Pole	The South Pole is the southernmost place on Earth. When at the South Pole all directions point north.
Equator	Is an imaginary line around the centre of the Earth. It is very hot at the Equator. It divides the Earth into the north and south hemispheres.
Meerkats	Animals that are often found in dry places like deserts. They belong to the mongoose family.
Penguins	A large seabird that cannot fly. Found in the South Pole. There are many types with the most famous probably being the Emperor penguin.
Polar Bears	A large, white Arctic Bear found in the North Pole. It is one of the most popular animals in the world.
desert	A desert is a very dry place that experiences little rain and therefore plants don't grow there. It is difficult to find water in a desert.
hemisphere	It is half the Earth divided into north and south by the equator. Britain is in the northern hemisphere.
humid	When there is a lot of moisture in the air it is said to be humid. Hot countries often are very humid.
scorching	To burn slightly or to cause a change in colour because of the heat.
camouflage	When an animals markings helps it to blend in with its environment.



Exciting Books



Sticky Knowledge about Hot and Cold places

- Not all deserts are covered by sand, only 20% of all deserts are covered with sand.
- During the South Pole winter (mid March to mid September) it is dark all the time. During the summer it is light all the time.
- Even though we think they should be, not all deserts are hot. Two of the world's biggest deserts are in the North and South Poles.
- Polar bears and penguins are able to keep warm because they have blubber inside their skins.
- The largest hot desert in the world is the Sahara and the largest cold desert is Antarctica
- Hot desert are usually very hot during the day but can get very cold at night. Some hot deserts can reach freezing point at night.
- Despite the low temperatures over 4 million people live in the polar regions.

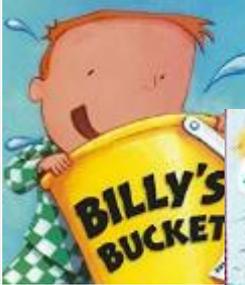
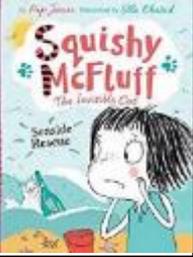
Animals that live in the polar regions

- penguins
- polar bears
- Arctic fox
- seal
- reindeer
- walrus

Animals that live close to the equator

- meerkats
- lizards
- scorpion
- coyote
- camel

Seaside Study KS1 Knowledge Mat

Subject Specific Vocabulary			Exciting Books	
cliff	A steep rock face usually at the edge of the sea.		<h3 style="text-align: center;">Sticky Knowledge about the seaside</h3> <ul style="list-style-type: none"> <input type="checkbox"/> In the United Kingdom no one lives more than 130Km from the sea. <input type="checkbox"/> Weymouth was the first seaside resort in Britain and was established more than 200 years ago. <input type="checkbox"/> The Punch and Judy show became a major attractions at the seaside during the Victorian times. <input type="checkbox"/> The song 'Oh, I do love to be beside the seaside' was first recorded more than 100 years ago. <input type="checkbox"/> Most British seaside resorts are famous for their fish and chips which were served in newspapers until the 1980s. <input type="checkbox"/> Most sandy beaches are well known for children using their bucket and spade to build sandcastles. <input type="checkbox"/> Coasts have many different features, such as caves, cliffs, mudflats and beaches. 	 
rockpool	A pool of water amongst rocks on a beach.			
tide	The rise and fall of the sea usually caused by the pull of gravity from the moon and sun.			
resort	A seaside resort is a town or place where people go on holiday by the sea.			
beach	A pebbly or sandy shore, between the sea and a higher land place.			
lifeboat	A specially made boat aimed at rescuing people stranded in the sea.			
lighthouse	Usually a tower containing a beacon of light to warn or guide ships at sea.			
postcards	A card for sending a message to someone without an envelope.			
fairground	An outdoor area where you can ride on various attractions. Often by the sea.			
island	A piece of land completely surrounded by sea			
ocean	A large area of salt water between the continents.			
			<h3>Can you find these well-known seaside resorts on a map?</h3> <ul style="list-style-type: none"> • Scarborough • Weymouth • Tenby • Blackpool • Poole • Brighton • New Quay in Cornwall • Whitby 	

Comparative Study (Kenya) KS1 Knowledge Mat

Subject Specific Vocabulary

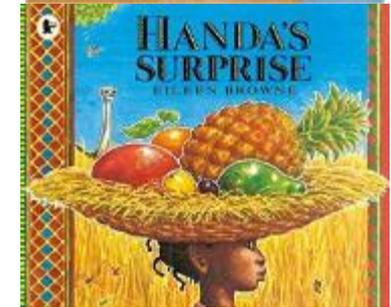
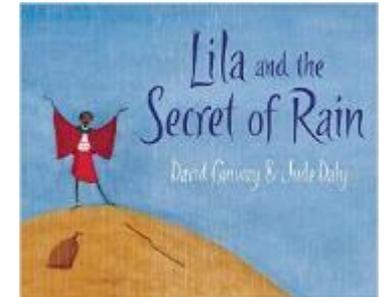
European	To be European is to belong to a group of countries in a continent called Europe.
African	To be African is to belong to a group of countries in a continent called Africa.
wild life	Refers to a group of animals that are wild, that is, do not live with humans but roam free.
climate	Climate refers to aspects of weather over a long time. In hot countries the climate is hot, etc.
drought	Drought is a long period without rain, often experienced by African countries.
government	It refers to a group of people who run a country. In most cases these people are elected.
palm tree	A tree that grows in tropical regions and has a straight, tall trunk and many large leaves at the top of the trunk.
ebony	Ebony is a very dark black colour, or a south Asian tropical tree with hard, dark-coloured wood.
mud huts	Mud huts are basic houses built from what is available in the area. In Africa, mainly from mud.
mango	Is a tropical fruit found in hot countries. It is a yellowy-red colour with a large stone in the middle.
Kenya	Is a large country situated in East Africa. It is officially known as the Republic of Kenya.



Sticky Knowledge about Kenya

- Kenya is situated in Eastern Africa and its capital of Kenya is Nairobi.
- There are two main languages spoken in Kenya: English and Swahili. However there are many other languages spoken in different parts of Kenya.
- The largest lake in the world, lake Victoria is partly in Kenya. It is also in Tanzania and Uganda.
- Tea and coffee are important plants grown in Kenya and they also produce many flowers.
- Large animals such as lions, buffalo, leopards, elephants and rhinoceros are present in Kenya.
- Unfortunately, Kenya is still a developing country and more than half the population live in poverty.
- In terms of sports, Kenya is perhaps best known for its middle and long distance runners, with the country frequently producing Olympic champions.

Exciting Books



Kenyan Animals

- African elephant
- White Rhinoceros
- Black Rhinoceros
- Hippopotamus
- Giraffe
- African buffalo
- Zebra
- Leopard
- Parakeet

The Local Area KS1 Knowledge Mat

Subject Specific Vocabulary

street	A public road in a city, town, or village, typically with houses and buildings on one or both sides.
road signs	Road sign gives you information, traffic signs warn you of possible dangers and provide information.
office	A building where people work from. Some are large, tall buildings others are very small.
supermarket	A place where you buy groceries and other items. They are usually very large with parking space.
post office	Is a place where you buy stamps for your letters and can send your letters from.
church	Is a place of worship normally found in every village, town and city. Mosques and temples are similar places for different religions.
map symbol	It is a small picture on a map to tell you about something. There are symbols for schools, churches, post offices and pubs.
address	Locates exactly where someone lives by having street and town names.
post code	This locates exactly where a street or a place is by using letters and numbers.
urban	A busy locations which has lots of houses and usually shops and offices.
rural	It is a location in the country. It is not usually as busy as an urban place.



Sticky Knowledge about British villages, towns and cities

- A village is usually associated with the countryside and is smaller than a town.
- Every street in our country has a name and a post code. The name is usually on a wall or a sign at the beginning of the street.
- There are many signs on the roads to help drivers use the highway code properly. There are different shaped signs to help drivers know what to do.
- London is our capital city and has a population of more than 8 million.
- Your address has the name of the street you live in, the number or name of your house; the village, town or city you live in and a post code.
- London is the capital of England; Cardiff the capital of Wales, Edinburgh the capital of Scotland and Belfast the capital of Northern Ireland.
- One of the oldest parliaments in the world is situated in London and is called the Houses of Parliament.

Exciting Books



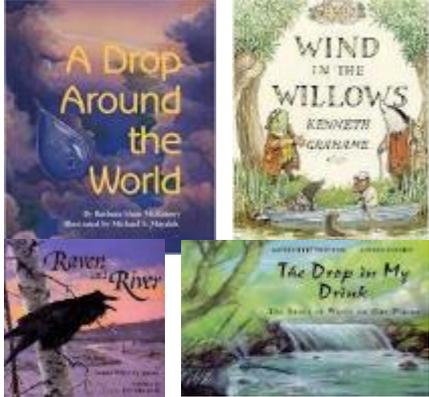
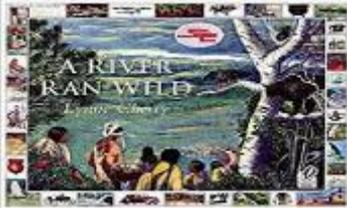
Major English cities

- Birmingham
- Manchester
- Newcastle
- Sheffield

Attractions of London

- Buckingham Palace
- Tower of London
- Windsor Castle
- The London Eye
- London Bridge

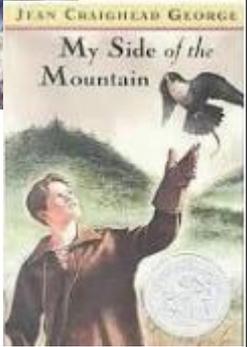
Rivers KS2 Knowledge Mat

Subject Specific Vocabulary			Exciting Books				
estuary	An estuary is an area where a freshwater river or stream meets the ocean.		World best known rivers				
mouth	A river mouth is the part of a river where the river flows into another river, a lake, a reservoir, a sea, or an ocean.			British rivers			
source	The source of a river is where it begins, usually in high ground.				Amazon	Thames London river that is 184 miles long	
meander	A meander is a winding curve or bend in a river.					Nile	Seven Britain's longest river (220 miles) from Wales to Bristol.
waterfall	Waterfalls form where water rushes down steep hillsides in upland areas and erodes the rocks.	Situated in Brazil, it is 4000 miles long. Runs through the Amazon rainforest.			Mersey Liverpool river that is 70 miles long		
erosion	erosion occurs when the fastest currents in the river carve intensely into the banks.	The world's longest river (4,160 miles long) and runs into the Mediterranean.					
deposition	rocks and sediments eroded from one part of the river is deposited in another part						
tributary	When one stream meets another and merge together, the smaller stream is known as a tributary.						
ox bow lake	Ox bow lakes are created when the meander is so deep that it cuts off a piece of the meander.						
delta	Deltas are often found at the mouth of large rivers.						
stream	A stream is a small body of flowing water.						

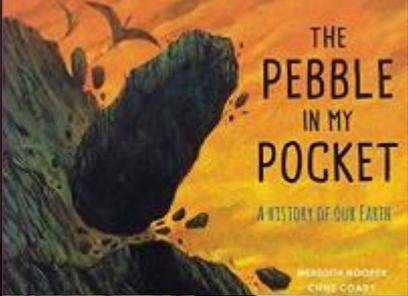
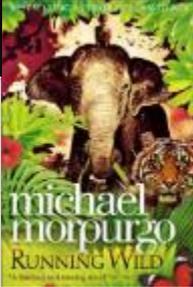
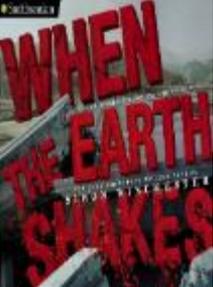
Rainforest KS2 Knowledge Mat

Subject Specific Vocabulary			Exciting Books								
canopy	The canopy , which may be over 30 m above the ground, is made up of the overlapping branches and leaves of rainforest trees.		<h2 style="text-align: center;">Endangered creatures of the rainforest</h2> <table border="1" style="width: 100%;"> <tr> <td><input type="checkbox"/> gorillas</td> <td><input type="checkbox"/> chimpanzees</td> </tr> <tr> <td><input type="checkbox"/> jaguars</td> <td><input type="checkbox"/> toucans</td> </tr> <tr> <td><input type="checkbox"/> poison dart frogs</td> <td><input type="checkbox"/> golden lion tamarin</td> </tr> <tr> <td><input type="checkbox"/> harpy eagles</td> <td><input type="checkbox"/> orangutans</td> </tr> </table>	<input type="checkbox"/> gorillas	<input type="checkbox"/> chimpanzees	<input type="checkbox"/> jaguars	<input type="checkbox"/> toucans	<input type="checkbox"/> poison dart frogs	<input type="checkbox"/> golden lion tamarin	<input type="checkbox"/> harpy eagles	<input type="checkbox"/> orangutans
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emergent layer	The emergent layer is the name given to the tops of trees that poke up above the rainforest canopy.	<h2 style="text-align: center;">Where are the famous rainforests?</h2> <p>Amazon, Brazil</p> <p>Australia, West Africa</p>  									
understory	The understory layer is a tangle of shrubs, young trees, saplings, palms and vines. It is hot and damp here and the air is very still.										
deforestation	When forests are cut down and the area is permanently cleared for another use.										
endangered	An endangered species is a species which has been categorized as very likely to become extinct.										
indigenous	Indigenous people or things belong to the country in which they are found										
biomes	Biomes are distinct biological communities that have formed in response to a shared physical climate.										
temperate	Relating to or denoting a region or climate characterized by mild temperatures.										
extinction	The extinction of a species of animal or plant is the death of all its remaining living members.										
destruction	The act of destroying something.										
biodiversity	Variety of plant and animal life in a particular habitat, a high level of which is usually considered to be important and desirable.										

Mountains KS2 Knowledge Mat

Subject Specific Vocabulary			Exciting Books	
peak	Is the highest point of any mountain.		<p style="text-align: center;">Sticky Knowledge about mountains</p> <ul style="list-style-type: none"> <input type="checkbox"/> Mountains make up one-fifth of the world's landscape. <input type="checkbox"/> Mount Everest is the world highest mountain and it is 8, 850m high. <input type="checkbox"/> There are mountains under the surface of the sea. <input type="checkbox"/> 80% of our fresh water originates from mountains. <input type="checkbox"/> The highest 14 mountains in the world are all found in the Himalayas. <input type="checkbox"/> Generally mountains are higher than 600m if they are less they are called hills. <input type="checkbox"/> Mountains can be rocky and barren but some have trees growing on their sides and very high mountains have snow on their peaks. 	 
valley	A valley is a long depression, or ditch, in Earth's surface and usually lies between ranges of hills or mountains.			
cliff	They are tall, steep rocks that were created by erosion and have vertical faces.			
ridge	Are part of the steep, sloping side of a mountain.			
plateau	A plateau is an area of flat ground that is much higher than the surrounding area.			
summit	It is the highest point of a mountain.			
hill	A hill is a landform that is high but not high enough to be a mountain.		British mountains	
terrain	Terrain is used as a general term when referring to the lie of the land.		Ben Nevis	
			Snowden	
range	A mountain range is a group or chain of mountains that are close together.		Pennines	
tectonic plates	The Earth's outer layer is made up of large, moving pieces called plates .		Skafell Pike	
fold mountains	Fold mountains are formed when two plates run into each other or collide			

Natural Disasters KS2 Knowledge Mat

Subject Specific Vocabulary			Exciting Books	
eruption	An explosion of steam or lava from a volcano.		<p style="text-align: center;">Sticky Knowledge about natural disasters</p> <ul style="list-style-type: none"> <input type="checkbox"/> Volcanoes are caused when magma rises to the surface of the Earth, which causes bubbles of gas to appear in it. This gas can cause pressure to build up in the mountain, and it eventually explodes. <input type="checkbox"/> Earthquakes are usually caused when rock underground suddenly breaks along a fault. This sudden release of energy causes the seismic waves that make the ground shake. <input type="checkbox"/> A tsunami is a series of large waves generated by an abrupt movement on the ocean floor that can result from an earthquake, an underwater landslide, a volcanic eruption or - very rarely - a large meteorite strike. 	
aftershock	A shaking event that follows an earthquake. Sometimes more damaging than the original earthquake.			
tsunami	A long, high wave usually caused by an earthquake in the ocean.	More Sticky Knowledge		
magma	Hot fluid or semi-fluid material below or within the Earth's crust from which lava is formed.	<input type="checkbox"/> A hurricane is a large rotating storm with high speed winds that forms over warm waters in tropical areas.		
lava	Hot, molten or semi-fluid rock erupted from a volcano, or solid rock resulting from cooling of this.	<input type="checkbox"/> Flooding occurs when a river bursts its banks and overflows onto the surrounding land.		
dormant	A dormant volcano is an active volcano that has not erupted in the past 10,000 years.			
fault	Fractures in Earth's crust where rocks on either side of the crack have slid past each other.			
magnitude	If you talk about the magnitude of something, you are talking about its great size			
landslide	A collapse of a mass of earth or rock from a mountain or cliff			
Tectonic plates	The Earth's outer shell is made up of huge slabs of moving rock called tectonic plates.			
saturated	Holding as much water or moisture as can be absorbed; thoroughly soaked.			

South America KS2 Knowledge Mat

Subject Specific Vocabulary			Exciting Books
<p>street children</p> <p>Street children are groups of children with no homes or parents and are forced to beg for a living.</p>	<p>pampas</p> <p>The pampas are fertile South American lowlands that cover more than 750,000 km²</p>		
<p>anaconda snake</p> <p>Anacondas are semiaquatic snakes found in tropical South America. They are some of the largest snakes in the world.</p>	<p>I am somebody</p> <p>A poem which was used in a campaign to bring attention to the street children of Brazil.</p>	<p style="text-align: center;">Sticky Knowledge about South America</p> <p><input type="checkbox"/> There are 12 countries in South America and almost 400 million people live there.</p> <p><input type="checkbox"/> Brazil is the largest country and covers almost half the continent. It is only slightly smaller than the USA.</p> <p><input type="checkbox"/> South America's largest river is the Amazon, which is the second longest river in the world. However, the Amazon carries more water than any other river in the world.</p> <p><input type="checkbox"/> Sao Paulo is the largest city with more than 20 million people living there.</p> <p><input type="checkbox"/> Spanish is the most popular language in South America even though Brazilians speak Portuguese.</p> <p><input type="checkbox"/> The Incas were the largest group of indigenous people in South America when the Europeans arrived.</p>	South American counties
<p>Andes</p> <p>The Andes are the world's longest continental mountain range. They lie as a continuous chain of highland along the western coast of South America.</p>	<p>inhabitants</p> <p>Is a person or animal that is a permanent resident of a particular place or region.</p>		<ul style="list-style-type: none"> • Brazil • Argentina • Chile • Venezuela • Colombia • Peru • Suriname • Bolivia • Uruguay • Paraguay • Guyana • Equator
<p>sparsely populated</p> <p>Sparsely populated means that there are few people scattered about the area spoken of.</p>	<p>Titicaca lake</p> <p>Lake Titicaca straddles the border between Peru and Bolivia in the Andes Mountains and is one of South America's largest lakes.</p>		
<p>Incas</p> <p>The Incas, an American Indian people, were originally a small tribe in the southern highlands of Peru.</p>	<p>Atacama desert</p> <p>The Atacama desert is one of the driest places in the world. It has a stony terrain.</p>		

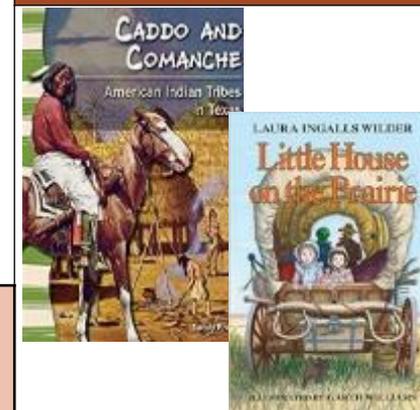
North America KS2 Knowledge Mat



Subject Specific Vocabulary

A buck	A nickname for the American dollar.
Cherokee	A member of an American Indian people formerly inhabiting much of the southern US
American state	The U.S. is a country of 50 states covering a vast swath of North America.
National park	An area of countryside, or occasionally sea or fresh water, protected by the state for the enjoyment of the general public or the preservation of wildlife
The 'big apple'	This is the nickname associated with New York city. The nickname became common as from the 1920s.
coyotes	Coyotes were a purely North American animal that lived in the West. A small wolf-like creature.
Statue of Liberty	The Statue of Liberty is a colossal neoclassical sculpture on Liberty Island in New York Harbour in New York City.
Chichén Itzá	Chichén Itzá is a complex of Mayan ruins in Mexico. It is a massive step pyramid.
A cold shoulder	An American metaphor for deliberately ignoring someone.
Lighten up	To relax and not to take things too seriously.

Exciting Books



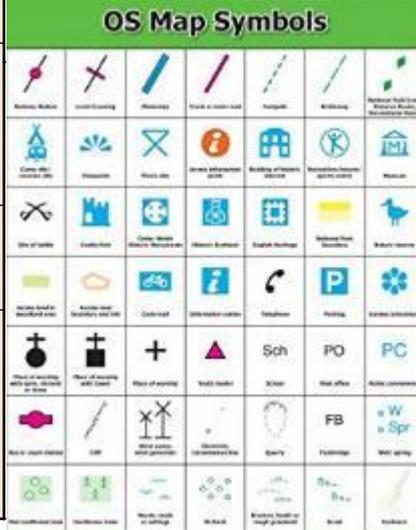
Sticky Knowledge about North America

- There are 23 countries in North America, with Canada being the biggest and Grenada being the smallest.
- Mexico City is the largest city with more than 9 million people living there.
- Before the Europeans arrived, the indigenous and native Americans lived in the continent. Today, only about 2% of US Americans consider as descending from native Americans.
- Greenland is the not only the biggest island in North America but also in the world.
- Missouri river is the longest in North America and flows through seven US states. Denali mountain is the highest mountain in North America.
- Lake Superior, which borders Canada and the US is the third largest lake in the world and the largest North American lake.

10 biggest North American counties

- Mexico
- Canada
- USA
- Nicaragua
- Honduras
- Cuba
- Guatemala
- Panama
- Cost Rica
- Dominican Republic

Map Reading KS2 Knowledge Mat

Subject Specific Vocabulary			Exciting Books
Ordnance Survey	An Ordnance Survey map is a detailed map produced by the British or Irish government map-making organization.		<h3>Sticky Knowledge about Map Reading</h3> <ul style="list-style-type: none"> ❑ Cartography is the study of maps and map making. Someone who makes maps is called a cartographer. ❑ There are two Norths: true north and magnetic north. True north is the direction of the geographic North Pole. Magnetic north is the direction the north end of a needle in a compass points ❑ Throughout Medieval times in Europe most maps of the world, known as Mappae Mundi, were expensive to create by hand, so were used by Royals and Nobles as displays of wealth rather than for practical purposes. ❑ The map that's familiar to most of us is the Mercator projection, but it is also, as you might expect, full of inaccuracies. ❑ North may be at the top of maps today, but that wasn't always the case. During the middle ages, most Western maps put east at the top instead.
symbol	Map symbols are used to represent real objects. Both shapes and colours can be used for symbols on maps.	<h3>OS Map Symbols</h3> 	
hemisphere	A hemisphere is formed by dividing the earth into the Northern and Southern Hemispheres at the equator		
latitude	The lines extending around the Earth horizontally are called lines of latitude.		
longitude	The lines extending around the Earth vertically are called lines of longitude.		
time zones	Time zones give specific areas on the earth a time of day that is earlier or later than the neighbouring time zones		
grid reference	Numerical grid references consist of an even number of digits. Eastings are written before Northings.		
aerial photograph	Aerial photography is the taking of photographs of the ground from an elevated/direct-down position.		
Greenwich meridian	The prime meridian is the imaginary line that divides Earth into two equal parts: the Eastern Hemisphere and the Western Hemisphere.		
tropics	The region of Earth's surface that is closest to the Equator is called the tropics.		

Europe KS2 Knowledge Mat

Subject Specific Vocabulary		Exciting Books	
European Union	The EU tries to make it easier for Europeans to buy and sell things to each other.		
Mediterranean	It is a body of water that separates the continents of Europe, Africa and Asia.		
Euros	Euros is the currency used by many of the European Union countries.		
paella	Paella is a dish cooked especially in Spain, which consists of rice mixed with small pieces of vegetables, fish, and chicken.	Sticky Knowledge about Europe	
Brexit	It stands for Britain exiting the European Union. In a vote in 2016, adults in Britain narrowly voted for leaving the EU.	<input type="checkbox"/> There are 50 countries in Europe with a total of more than 742 million people living on the continent.	Some European flags
Berlin Wall	The wall that used to separate East Berlin and West Berlin. It was built in order to prevent people from fleeing East Berlin.	<input type="checkbox"/> Moscow in Russia is the largest city with more than 12 million inhabitants.	
Eiffel Tower	The Eiffel Tower is situated in Paris and was constructed as part of the world fair in Paris in 1889.	<input type="checkbox"/> Mount Elbrus in Russia (5,642 metres/18,510ft) is the highest mountain in Europe and is part of the Caucasus mountain range.	
Greek Isles	Greece has a number of islands around its main land which is famous for being holiday destinations.	<input type="checkbox"/> Volga River in Russia (3,692metres/2,295miles) is Europe's longest river.	
fjords	Long, narrow, deep inlet of the sea between high cliffs, as in Norway, typically formed by submergence of a glaciated valley.	<input type="checkbox"/> The Danube is the most important commercial waterway in Europe.	
		<input type="checkbox"/> Lake Ladoga in Russia is Europe's biggest lake and among the worlds biggest freshwater lakes	