

# Year 1 Autumn Term 2019 Knowledge Organisers

# The Local Area KS1 Knowledge Mat

## Subject Specific Vocabulary

<b>street</b>	A public road in a city, town, or village, typically with houses and buildings on one or both sides.
<b>road signs</b>	Road sign gives you information, traffic signs warn you of possible dangers and provide information.
<b>office</b>	A building where people work from. Some are large, tall buildings others are very small.
<b>supermarket</b>	A place where you buy groceries and other items. They are usually very large with parking space.
<b>post office</b>	Is a place where you buy stamps for your letters and can send your letters from.
<b>church</b>	Is a place of worship normally found in every village, town and city. Mosques and temples are similar places for different religions.
<b>map symbol</b>	It is a small picture on a map to tell you about something. There are symbols for schools, churches, post offices and pubs.
<b>address</b>	Locates exactly where someone lives by having street and town names.
<b>post code</b>	This locates exactly where a street or a place is by using letters and numbers.
<b>urban</b>	A busy locations which has lots of houses and usually shops and offices.
<b>rural</b>	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












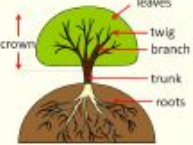
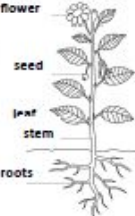
## Attractions of London

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

# Hot and Cold Places KS1 Knowledge Mat

Subject Specific Vocabulary			Exciting Books	
<b>North Pole</b>	The North Pole is the northernmost place on Earth. When at the North Pole all directions point south.			
<b>South Pole</b>	The South Pole is the southernmost place on Earth. When at the South Pole all directions point north.			
<b>Equator</b>	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.	<h3>Sticky Knowledge about Hot and Cold places</h3>		
<b>Meerkats</b>	Animals that are often found in dry places like deserts. They belong to the mongoose family.			
<b>Penguins</b>	A large seabird that cannot fly. Found in the South Pole. There are many types with the most famous probably being the Emperor penguin.	<input type="checkbox"/> Not all deserts are covered by sand, only 20% of all deserts are covered with sand.	<h3>Animals that live in the polar regions</h3> <ul style="list-style-type: none"> <li>• penguins</li> <li>• polar bears</li> <li>• Arctic fox</li> <li>• seal</li> <li>• reindeer</li> <li>• walrus</li> </ul>	
<b>Polar Bears</b>	A large, white Arctic Bear found in the North Pole. It is one of the most popular animals in the world.	<input type="checkbox"/> 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.		
<b>desert</b>	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.	<input type="checkbox"/> 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.	<h3>Animals that live close to the equator</h3> <ul style="list-style-type: none"> <li>• meerkats</li> <li>• lizards</li> <li>• scorpion</li> <li>• coyote</li> <li>• camel</li> </ul>	
<b>hemisphere</b>	It is half the Earth divided into north and south by the equator. Britain is in the northern hemisphere.	<input type="checkbox"/> Polar bears and penguins are able to keep warm because they have blubber inside their skins.		
<b>humid</b>	When there is a lot of moisture in the air it is said to be humid. Hot countries often are very humid.	<input type="checkbox"/> The largest hot desert in the world is the Sahara and the largest cold desert is Antarctica		
<b>scorching</b>	To burn slightly or to cause a change in colour because of the heat.	<input type="checkbox"/> Hot deserts are usually very hot during the day but can get very cold at night. Some hot deserts can reach freezing point at night.		
<b>camouflage</b>	When an animal's markings help it to blend in with its environment.	<input type="checkbox"/> Despite the low temperatures over 4 million people live in the polar regions.		



Topic: Plants		Year: 1	Strand: Biology
<b>What should I already know?</b> <ul style="list-style-type: none"> <li>Plants can grow.</li> </ul>		<b>Vocabulary</b>	
<b>What will I know by the end of the unit?</b>		branches parts that grow out from the tree trunk and have leaves, flowers, or fruit growing on them	
The names of some common garden plants	<ul style="list-style-type: none"> <li>People may grow plants in their gardens and care for them.</li> <li>They may grow flowering plants which are beautiful to look at or beans and seeds to grow plants for food.</li> <li>When plants are grown for food, this may be called a herb garden or vegetable patch.</li> </ul>     <p>vegetable patch      rose</p> <p>poppy      sunflower</p>	bulb a root shaped like an onion that grows into a flower or plant	common something that is found in large numbers or it happens often
The names of some common wild plants	<ul style="list-style-type: none"> <li>A wild plant will grow by itself.</li> <li>It does not need to be cared for.</li> <li>If it grows somewhere unwanted, it may be a weed.</li> </ul>      <p>dandelion      daisy      buttercup</p> <p>nettle      clover</p>	deciduous a tree that loses its leaves in the autumn every year	evergreen a tree or bush which has green leaves all the year round
Deciduous and evergreen trees	<ul style="list-style-type: none"> <li>Deciduous trees lose their leaves in the autumn every year. Their leaves are generally broad, flat and have veins running through them.</li> <li>Evergreen trees have green leaves all year round. Their leaves are generally thick, waxy and narrow like needles.</li> </ul>   <p>deciduous      evergreen</p>	flower the part of a plant which is often brightly coloured and grows at the end of a stem	flowering trees or plants which produce flowers
What are the parts of common trees and plants?	 	fruit something which grows on a tree or bush and which contains seeds or a stone covered by a substance that you can eat	garden a piece of land next to a house, with flowers, vegetables, other plants, and often grass
		herb a plant whose leaves are used in cooking to add flavour to food, or as a medicine	leaf / leaves the parts of a tree or plant that are flat, thin, and usually green
		petal thin coloured or white parts which form part of the flower	plant a living thing that grows in the earth and has a stem, leaves, and roots
		roots the parts of a plant that grow under the ground	seed the small, hard part from which a new plant grows
		stem the thin, upright part of a plant on which the flowers and leaves grow	tree a tall plant that has a hard trunk, branches, and leaves
		trunk the large main stem from which the branches grow	vegetable plants such as cabbages, potatoes, and onions which you can cook and eat
		vegetation plants, trees and flowers	weed a wild plant that grows in garden and prevents the plants that you want from growing properly
		wild animals or plants that live or grow in natural surroundings and are not looked after by people	
		<b>Investigate!</b>	
		<ul style="list-style-type: none"> <li>Plant a bean or a seed and watch it grow. Record your observations in a diary.</li> <li>Go on a wild plant hunt! Create a tally chart to show how many of each plant you have found and then use the information to answer questions.</li> <li>Plant some garden plants, care for them and watch them grow.</li> <li>Go on a tree hunt around the Country Park - what types of trees can you see? Collect fallen leaves and identify which tree they came from using pictures to help you. Sort the leaves between deciduous and evergreen trees.</li> <li>Label the parts of a plant showing where the leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, and stems are.</li> </ul>	

Topic: Animals including humans (animals)		Year: 1	Strand: Biology
<p><b>What should I already know?</b></p> <ul style="list-style-type: none"> <li>The names of some common animals.</li> <li>The parts of the human body and how they are associated with each sense.</li> </ul>			
<p><b>What will I know by the end of the unit?</b></p>			
<p>What are vertebrates?</p>	<p>Vertebrates are animals that have a backbone. There are five groups of vertebrates:</p> <ul style="list-style-type: none"> <li>mammals</li> <li>fish</li> <li>birds</li> <li>reptiles</li> <li>amphibians</li> </ul>		
<p>What are mammals?</p>	<ul style="list-style-type: none"> <li>give birth to live young</li> <li>usually have hair or fur</li> <li>warm-blooded</li> <li>cannot breathe underwater</li> <li>some common mammals are:               <ul style="list-style-type: none"> <li>pets such as dogs, cats, hamsters</li> <li>farm animals such as cows, sheep and horses</li> <li>wild animals such as foxes, hedgehogs, lions and giraffes</li> <li>humans</li> </ul> </li> </ul>		
<p>What are fish?</p>	<ul style="list-style-type: none"> <li>have fins and scales</li> <li>breathe underwater using gills</li> <li>lay eggs in water</li> <li>cold-blooded</li> <li>some common fish are salmon, cod and tuna</li> </ul>		
<p>What are birds?</p>	<ul style="list-style-type: none"> <li>warm-blooded</li> <li>have wings and beaks</li> <li>have feathers</li> <li>lay eggs</li> <li>some common birds are ducks, chickens, penguins and pigeons</li> </ul>		
<p>What are reptiles?</p>	<ul style="list-style-type: none"> <li>cold-blooded</li> <li>lay eggs</li> <li>have scales</li> <li>cannot breathe underwater</li> <li>some common reptiles are snakes and lizards</li> </ul>		
<p>What are amphibians?</p>	<ul style="list-style-type: none"> <li>cold-blooded</li> <li>lay eggs</li> <li>live on land and water - can breathe underwater through gills</li> <li>some common amphibians are frogs and toads</li> </ul>		
<p>What are invertebrates?</p>	<ul style="list-style-type: none"> <li>Invertebrates are animals that do not have a backbone.</li> <li>They include:               <ul style="list-style-type: none"> <li>insects such as flies, ladybirds and bees</li> <li>arachnids such as spiders</li> <li>molluscs such as snails</li> </ul> </li> </ul>		
<p><b>Diagram</b></p> <pre> graph TD   animals --&gt; vertebrates   animals --&gt; invertebrates   vertebrates --&gt; mammals   vertebrates --&gt; fish   vertebrates --&gt; reptiles   vertebrates --&gt; amphibians   vertebrates --&gt; birds   invertebrates --&gt; insects   invertebrates --&gt; molluscs   invertebrates --&gt; arachnids   </pre>			
<p><b>What do animals eat?</b></p> <ul style="list-style-type: none"> <li>Animals that only eat meat (other animals) are called <b>carnivores</b> (examples include lions and eagles).</li> <li>Animals that only eat plants are called <b>herbivores</b> (examples include cows and giraffes)</li> <li>Animals that eat plants and meat are called <b>omnivores</b> (examples include humans and squirrels)</li> </ul>			
<p><b>Vocabulary</b></p>			
backbone	the column of small linked bones down the middle of your back		
carnivores	an animal that eats meat		
cold-blooded	a body temperature that changes according to the surrounding temperature		
environment	all the circumstances, people, things, and events around them that influence their life		
farm	an area of land used to produce crops or to breed animals and livestock		
gills	the organs on the sides of fish and other water creatures through which they breathe		
herbivore	an animal that only eats plants		
invertebrate	a creature that does not have a spine, for example an insect, a worm, or an octopus		
omnivore	person or animal eats all kinds of food, including both meat and plants		
pet	a tame animal kept in a household		
temperature	a measure of how hot or cold something is		
vertebrate	a creature which has a spine		
warm-blooded	a fairly high body temperature which does not change much and is not affected by the surrounding temperature		
wild	animals or plants that live or grow in natural surroundings and are not looked after by people		
<p><b>Investigate!</b></p> <ul style="list-style-type: none"> <li>use observations in the local environment to compare animals or through videos and photographs</li> <li>describe how to identify and group animals</li> <li>group animals according to what they eat</li> <li>research how to take care of animals taken from the local environment and how to return them safely</li> </ul>			