






LKS2 Science Knowledge Organiser

Topic: Living Things and their Habitats

Key questions:		
<ul style="list-style-type: none"> I can recognise that environments can change, often because of human activity, and that this can affect the survival of living things. 		
Key Information		
How We Change Our Local Environment	<p>Humans can have a negative effect on natural environments by building and landscaping, which can destroy the homes and food sources of living things. Chopping down trees is a problem. Litter can also be a problem. Humans can have a positive effect on their local environment by planting trees, flowers, fruit and vegetables.</p> <div style="display: flex; justify-content: space-around;">   </div>	
Other Changes	The tides and the seasons regularly change the environments for living things.	
Climate Change	Climate change describes a change in the average conditions — such as temperature and rainfall — in a region over a long period of time. NASA scientists have observed Earth's surface is warming, and many of the warmest years on record have happened in the past 20 years	
Impact of Change	<p>Bumble bees create honey by chewing on pollen and mixing it with their saliva. Bumble bees play a very important role in our ecosystem. They are important pollinators for both human crops and many different types of wildflowers.</p> <p>Habitat loss, diseases, pesticides, and climate change are causing huge problems for bumble bees.</p> <p>Large-scale farming has deprived hedgehogs of their natural habitat as farmers remove copses of hedges and trees in order to make way for ever-larger crops. They are in danger of extinction.</p> <div style="display: flex; justify-content: space-around;">   </div>	
Positive Impacts	Protecting endangered species and cleaning lakes and seas has a positive effect on the environment.	
Did you know...?		
	<p>800 to 600 million years ago, the Earth was so cold that it was covered with ice.</p> <p>The hottest temperatures over the last 100 years happened after the year 2000 (with the exception of 1998).</p> <p>Climate change is affecting our wildlife as insects are coming out earlier, and flowers are blooming earlier too.</p> <p>In some places bears have even stopped hibernating and birds are laying eggs way before they're meant to.</p>	
<ul style="list-style-type: none"> environment change living thing danger 	<ul style="list-style-type: none"> adapt threat greenhouse impact 	<ul style="list-style-type: none"> thermometer carbon dioxide positive negative