



# Hallcroft Infant & Nursery School



## Science Lesson Sequence

**Autumn 1 - Year 2**

**Habitats**

**What we already know, remember and can do:**

- Draw and label human body parts.
- Identify the body parts associated with each sense.
- Name and describe the physical features of a range of animals.
- Sort animals into groups based on their similarities and differences.
- Identify characteristics specific to mammals, birds, reptiles, amphibians and fish.
- Recall the diets of carnivores, herbivores and omnivores.

**Working scientifically**

- Compare and group body parts.
- Begin to recognise patterns in data and use these to answer questions.
- Record data in a table.
- Measure using non-standard units.
- Recognise that there are different ways to gather data.
- Record data in a block graph and use this to answer questions.

	Learning Objective	What children will know and remember (Substantive)	What children will be able to do (Disciplinary)	Revisited Vocabulary	New Vocabulary
1	<p><b>Learning Objective</b>  <b>Knowledge</b> – To identify some of the characteristics of living things.</p>	<ul style="list-style-type: none"> <li>✓ I know that living things are things that are alive and perform some life actions such as grow, take in food/drink and produce offspring.</li> <li>✓ I know that plants and animals are living things.</li> </ul>	<ul style="list-style-type: none"> <li>✓ I can sort objects based on their properties.</li> <li>✓ I can ask questions to find out what living things have in common.</li> </ul>		<ul style="list-style-type: none"> <li>excretion</li> <li>growth</li> <li>life processes</li> <li>movement</li> <li>nutrition</li> <li>reproduction</li> <li>sensitivity</li> </ul>
2	<p><b>Learning Objective</b>  <b>Knowledge</b> – To recognise the difference between things that are alive, were once alive or have never been alive.  <b>Working scientifically</b>            To classify objects into groups.</p>	<ul style="list-style-type: none"> <li>✓ I know that dead things were once alive and are not alive any more.</li> <li>✓ I know that never been alive objects have never been alive and perform no life actions such as breathing or eating/drinking.</li> </ul>	<ul style="list-style-type: none"> <li>✓ I can classify objects into groups, giving reasons for my choices.</li> </ul>	<ul style="list-style-type: none"> <li>alive</li> <li>dead</li> <li>excretion</li> <li>nutrition</li> <li>reproduction</li> <li>sensitivity</li> </ul>	<ul style="list-style-type: none"> <li>analyse</li> <li>classify</li> </ul>

3	<b>Learning Objective</b> <b>Knowledge</b> – To identify plants and animals in different habitats.	<ul style="list-style-type: none"> <li>✓ I know that animals and plants need water, food and air to survive.</li> <li>✓ I know a habitat is a natural home where plants and animals live.</li> <li>✓ I know some different habitats including coastal, woodland, oceans and rainforests.</li> </ul>	<ul style="list-style-type: none"> <li>✓ I can describe what a habitat is like.</li> <li>✓ I can match animals and plants to their habitats.</li> <li>✓ I can gather specific information from one simplified, specified source.</li> </ul>	ocean woodland	coastal habitat predator rainforest
4	<b>Learning Objective</b> <b>Knowledge</b> – To identify how a habitat provides animals and plants with what they need to survive. <b>Working scientifically</b> To carry out research to find answers to questions.	<ul style="list-style-type: none"> <li>✓ I know that animals use habitats for food and shelter.</li> </ul>	<ul style="list-style-type: none"> <li>✓ I can use a website to retrieve information.</li> </ul>	carnivore diet herbivore mammal omnivore woodland	habitat predator shelter
5	<b>Learning Objective</b> <b>Knowledge</b> - To recognise how animals and plants depend on each other.	<ul style="list-style-type: none"> <li>✓ I know that a plant produces its own food but animals need to find and eat their own food.</li> </ul>	<ul style="list-style-type: none"> <li>✓ I can give examples of how animals and plants depend on each other.</li> </ul>	habitat nutrition predator shelter	camouflage depend prey producer

<b>Outcome</b>	<b>Learning Objective</b> <b>Knowledge</b> – To recall how animals get their food from plants and other animals. ✓	<ul style="list-style-type: none"> <li>✓ I know that a food chain shows how energy is passed from one animal to another.</li> <li>✓ I know the arrows show the order of a food chain.</li> </ul>	<ul style="list-style-type: none"> <li>✓ I can closely observe different plant parts.</li> <li>✓ I can identify producers and place them at the beginning of a food chain.</li> <li>✓ I can identify predators that prey on other animals.</li> </ul>	condition germinate growth measure observe wilt	
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# Year 2 Science – Autumn 1 - Habitats



## Living Things

Plants and animals are living things and perform some life actions such as grow, take in food/drink and produce offspring.



## Dead

Dead objects are objects that have been alive but are no longer alive.



## Never been Alive

Things that have never been alive and do not perform any life actions.



## LIVING THINGS



### AIR

Living things need to breathe air.



### WATER

Living things need to drink water.



### FOOD

Living things need food and nutrients.



Habitats provide food and shelter for the animals and plants that live there.





