

## Overview – Year 5 Spring 2 Living Things and Their Habitats

Lesson	Objectives	Scientific inquiry	Equipment list:
1. Do all mammals develop the same way?	<ul style="list-style-type: none"> <li>Recall the life cycle of mammals</li> <li>Outline the similarities in the life cycles of mammals</li> <li>Describe some differences in the life cycle of mammals</li> </ul>	Pattern seeking – children carry out secondary research (from booklet or elsewhere) into the life cycle of a chosen mammal.	Booklet, Documentary writing frame
2. What is metamorphosis?	<ul style="list-style-type: none"> <li>Recall the life cycle of amphibians</li> <li>Describe how water supports an amphibian life cycle</li> <li>Explain some of the challenges amphibians face on land</li> </ul>	Model – Children model a frog's life cycle using a range of healthy green foods.	Paper plate, range of green fruits and vegetables
3. What is inside a cocoon?	<ul style="list-style-type: none"> <li>Recall the life cycle of insects</li> <li>Outline the similarities in the life cycles of different insects</li> <li>Describe some differences in the life cycle of different insects</li> </ul>	Classification and identification, pattern seeking – Can you classify and identify insects by their life cycle? Children complete a Venn diagram to show the similarities and differences between insect life cycles	Venn diagram sheet and statements or hula hoops and cards
4. Which came first, the chicken or the egg?	<ul style="list-style-type: none"> <li>Recall the life cycle of birds</li> <li>Outline the ways birds care for unhatched young</li> <li>Give examples of ways young birds are cared for</li> </ul>	<p>Model – Can you make a model to show the different stages of a bird life cycle?</p> <p>Children use a paper plate pin wheel to show the different stages of a bird life cycle</p>	2 x paper plates, butterfly pin, pens, scissors

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<p>5. Why is there variation amongst living things?</p>	<ul style="list-style-type: none"> <li>• Know what is meant by sexual reproduction</li> <li>• Know how sexual reproduction produces variation</li> <li>• Know why variation is important</li> </ul>	<p>Pattern seeking, Identification and classification – Can you compare sexual reproduction in plants and animals? Children sort steps into sexual reproduction in animals of plants and then create a poster?</p>	<p>Poster paper, pens, colouring pencils</p>
<p>6. Do you always need to have two parents to reproduce?</p>	<ul style="list-style-type: none"> <li>• Know what is meant by asexual reproduction</li> <li>• Know some plants and animals that reproduce asexually</li> <li>• Know some advantages and disadvantages of asexual reproduction</li> </ul>	<p>Observation over time – Children take a cutting and grow a new plant</p>	<p>Plant (basil or mint work well), clean scissors, beaker, water, (some can try inn soil and see whether water or soil works best), roots can also be dipped in rooting powder <a href="#">Rooting powder £3.95</a></p>