

# LIVING THINGS AND THEIR HABITATS - YEAR 6: SCIENTIFIC ENQUIRY OVERVIEW

Lesson:	Objectives:	Scientific Enquiry:	Equipment:
<b>Lesson 1 How do we classify animals?</b>	<ul style="list-style-type: none"> <li>Recall characteristics of animals.</li> <li>Distinguish between vertebrates and invertebrates.</li> <li>Compare characteristics of different vertebrate groups.</li> </ul>	<ul style="list-style-type: none"> <li>Look at different animals and explore their features, like whether they have fur or scales.</li> <li>Type of Enquiry: Identifying, classifying, and grouping—students categorise animals based on features like skin covering and method of breathing.</li> </ul>	Worksheet, booklet
<b>Lesson 2 How do we classify plants?</b>	<ul style="list-style-type: none"> <li>Distinguish between flowering and non-flowering plants.</li> <li>Understand how different plants reproduce.</li> <li>Explore the uses of various plants.</li> </ul>	<ul style="list-style-type: none"> <li>Explore different plants, use clues to identify them, and discuss their characteristics.</li> <li>Identifying, classifying, and grouping - students sort plants based on their characteristics.</li> </ul>	Worksheet, booklet
<b>Lesson 3 What are microorganisms?</b>	<ul style="list-style-type: none"> <li>Name some microorganisms.</li> <li>Consider the role of various microorganisms.</li> <li>Plan an investigation.</li> </ul>	Observing over time—monitoring how mould grows over several days.	Bread, ziploc bags, water spray bottles, pen, and labels.
<b>Lesson 4 Are there some tricky classifications?</b>	<ul style="list-style-type: none"> <li>Revisit characteristics of a variety of plants and animals.</li> <li>Study some organisms that are difficult to classify.</li> <li>Create an organism.</li> </ul>	Identifying, classifying, and grouping—using creative thinking to blend characteristics.	Materials for creating a model organism (e.g., craft supplies).
<b>Lesson 5 Can we study local habitats?</b>	<ul style="list-style-type: none"> <li>Identify some organisms in their natural habitat.</li> <li>Study some organisms in their natural habitat.</li> <li>Classify organisms found in a local habitat.</li> </ul>	Identifying, classifying, and grouping - students identify plants based on their characteristics.	A local <u>plants</u> guide, notebook and pencil, magnifying glass, camera, gloves.
<b>Lesson 6 Who was Carl Linnaeus?</b>	<ul style="list-style-type: none"> <li>Recall who Carl Linnaeus was.</li> <li>Describe the binomial naming system.</li> <li>Explain the importance of a universal naming system.</li> </ul>	Identifying, classifying, and grouping - students identify invertebrate animals based on their characteristics.	A local <u>invertebrates</u> guide, notebook and pencil, magnifying glass, camera, gloves.