

# Evolution and Inheritance - Year 6: Scientific Enquiry Overview

Lesson:	Objectives:	Scientific Enquiry:	Equipment:
Lesson 1 What is variation?	<ul style="list-style-type: none"> <li>Understand that variation refers to differences within a species</li> <li>Identify that genes and environment contribute to variation</li> <li>Recognise variation in simple observable traits</li> </ul>	Identifying, classifying, and grouping, as it requires students to categorise characteristics as either genetic, environmental, or a combination of both.	Worksheet, booklet
Lesson 2. Why do adaptations matter?	<ul style="list-style-type: none"> <li>Explain how adaptations aid survival.</li> <li>Describe physical and behavioural adaptations</li> <li>Explain natural selection.</li> </ul>	Researching using secondary sources- to look up additional examples of behavioural adaptations in animals or plants and fill in the third column.	Books, articles, websites, or other sources.
Lesson 3. What are some animal adaptations?	<ul style="list-style-type: none"> <li>Identify physical and behavioural animal adaptations.</li> <li>Explain how animal adaptations aid survival</li> <li>Explore examples of real-world animal adaptations</li> </ul>	Identifying, classifying, and grouping because it requires students to examine physical characteristics of animals (identifying), understand the function of those adaptations in the context of the animals' habitats (classifying), and make connections between the trait and its role in survival (grouping by function).	Worksheet/ slide, booklet
Lesson 4. How do plants adapt?	<ul style="list-style-type: none"> <li>Recognise physical adaptations in plants.</li> <li>Explain how adaptations aid plant survival.</li> <li>Explore real-world examples of plant adaptations.</li> </ul>	Identifying, classifying, and grouping as pupils must identify adaptations and classify them based on their function.	Worksheet/ slide, booklet
Lesson 5. What can fossils reveal?	<ul style="list-style-type: none"> <li>Recall what fossils are and how they form</li> <li>Describe how fossils form.</li> <li>Explore a range of fossil adaptations</li> </ul>	Identifying, classifying, and grouping, as it requires pupils to connect specific anatomical features with their functional roles in the organisms' survival.	Worksheet/ slide, booklet
Lesson 6. Who are key figures in evolution?	<ul style="list-style-type: none"> <li>Recall key scientific thinkers in evolution history.</li> <li>Describe discoveries that shaped evolutionary thinking.</li> <li>Explore evidence that led to theories of adaptation over time.</li> </ul>	Identifying, classifying, and grouping" since students need to identify the type of beak each finch has, classify it according to the adaptation, and group it with the correct diet that the beak enables the bird to eat.	Worksheet/ slide, booklet