

# Dinosaurs : Topic Enrichment Pack : Year 3/4

	Learning Objective	Overview	Assessment Questions	Resources
<b>ART Lesson 1</b>	To develop sculpture skills.	Children will discuss briefly what we know about the appearance of dinosaurs, including their size, shape, colour and skin texture, and how we know this. They will then use this knowledge and their sculpture skills to create a 3D model of a dinosaur, or make a dinosaur skeleton.	<ul style="list-style-type: none"> <li>Can children explain how we know about the shape and size of different dinosaurs?</li> <li>Can children explain why we cannot be sure what a dinosaur's skin colour and texture looked like?</li> <li>Can children create a dinosaur/dinosaur skeleton using their sculpture skills?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Dinosaur Challenge Card A/B/C</li> <li>3D Dinosaur Instruction Sheet</li> <li>Modelling wire</li> <li>Tin foil</li> <li>Tissue paper</li> <li>Poster paints</li> <li>PVA glue</li> <li>Dinosaur Skeleton Sheets (FSD? activity only)</li> <li>Dinosaur Skeleton Instruction Sheet (FSD? activity only)</li> <li>Brown/grey paper/card (FSD? activity only)</li> <li>White/grey tissue paper (FSD? activity only)</li> <li>PVA glue, brushes (FSD? activity only)</li> <li>Sand (FSD? activity only)</li> </ul>
<b>SCIENCE Lesson 1</b>	To find out what fossils are and how they are formed.	Children will consider how we can find out about the animals that lived in prehistoric times without written or pictorial evidence. They will explore how fossils are formed and express this in their own words. They will start to think about dinosaur fossils and what we can find out about dinosaurs from just their bones.	<ul style="list-style-type: none"> <li>Do children understand how fossils are formed?</li> <li>Can children describe how a fossil is formed?</li> <li>Do children know how fossils can help palaeontologists find out about the past?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Booklet Template 1A/1B/1C</li> <li>Information Sheet</li> <li>Role Play Card (FSD? activity only)</li> </ul>
<b>SCIENCE Lesson 2</b>	To be able to identify and describe a variety of dinosaurs.	Children will recap how fossils are formed and how they can tell us about animals that lived in prehistoric times. They will then discover when dinosaurs lived and explore the features and characteristics of some broad groups of dinosaurs, such as theropods and sauropods. They will start to be able to identify and name various species of dinosaurs.	<ul style="list-style-type: none"> <li>Do children understand that dinosaurs inhabited the Earth millions of years ago and over a period of millions of years?</li> <li>Can children describe the features of a variety of different dinosaurs?</li> <li>Can children identify a variety of different dinosaurs?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Description Cards, Picture Cards and Fact Cards</li> <li>Crossword 2A/2B</li> <li>Dinosaur Cards (FSD? activity only)</li> <li>Worksheet 2A (FSD? activity only)</li> <li>Access to books/internet (FSD? activity only)</li> <li>Picture Cards/Name Cards - optional plenary</li> </ul>
<b>SCIENCE Lesson 3</b>	To be able to identify, describe and classify dinosaurs.	Children will recap the different species of dinosaur they can remember and the group they belong to before considering other ways dinosaurs can be classified. They will identify criteria used to sort dinosaurs and sort dinosaurs into Venn or Carroll diagrams according to given criteria. They can also consider their own ways of organising different dinosaurs into groups.	<ul style="list-style-type: none"> <li>Can children describe the features of different dinosaurs?</li> <li>Can children sort dinosaurs into groups depending on different criteria?</li> <li>Can children choose their own way of sorting dinosaurs into different groups according to their features?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Dinosaur Species Sheet</li> <li>Worksheet 3A/3B/3C/3D/3E</li> <li>Picture Cards 3A/3B (FSD? activity only)</li> <li>Group Name Cards (FSD? activity only)</li> <li>Dinosaur Classification sheet - plenary</li> </ul>

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<b>SCIENCE Lesson 4</b>	To consider why the dinosaurs became extinct and relate this to why species become endangered or extinct today.	Children will consider different theories behind the extinction of dinosaurs. They will then relate this to animal endangerment and extinction today, thinking about some of the reasons animals become endangered and what we can do to protect and preserve endangered species.	<ul style="list-style-type: none"> <li>Can children suggest some of the possible factors that caused the extinction of dinosaurs?</li> <li>Can children identify and describe some of the environmental factors that cause animals to become endangered today?</li> <li>Can children suggest some ways in which humans can act to protect endangered species?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 4A/4B</li> <li>Writing Frames 4A/4B/4C</li> <li>Information Sheet</li> <li>Endangered Animals Cards (FSD? activity only)</li> <li>Variety of information sources (FSD? activity only)</li> </ul>
<b>SPECIAL PEOPLE Lesson 1</b>	To learn about the life and achievements of Mary Anning.	Children will learn how Mary discovered the first complete ichthyosaur and plesiosaur fossils, how she taught herself science, and how her work helped change the way people understand prehistoric life. Pupils will also consider what life was like in Georgian Britain and reflect on the challenges Mary faced as a working-class woman in science.	<ul style="list-style-type: none"> <li>Do children know who Mary Anning was and when she lived?</li> <li>Can children describe some of Mary Anning's most important achievements?</li> <li>Do children understand why Mary Anning didn't get the recognition she deserved during her lifetime?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Storyboard 1A/1B/1C</li> <li>Event Cards 1A/1B</li> <li>Booklet Template</li> <li>Information Sheet</li> <li>Challenge Card (FSD? activity only)</li> <li>Award Speech Sheet (FSD? activity only)</li> </ul>

