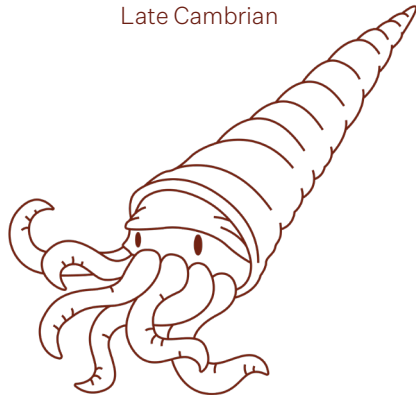


Objectives	The Scale and Size of Dinosaurs	Extra Information
<p><b>L.O:</b></p> <p>To Understand The Length Of Time From When Life Began Until Now.</p>	<p><b>STARTING ACTIVITY – (10 minutes)</b>  <b>GUIDANCE</b> – Prepare a time line on the wall with space for the children to stick their ocean dinosaurs on. Date the scale from 500ma (million years ago) - 170ma - 80ma - 65ma - 23ma - 1.25ma.</p> <p>Tell the children that we will be looking at certain periods from throughout Earth’s History, in which different creatures lived.</p> <p>Walk the children through the following periods.</p> <ul style="list-style-type: none"> <li>▶ <b>Cambrian:</b> The period when multicellular, complex life began. Such as molluscs (snails) and arthropods (woodlouse).</li> <li>▶ <b>Carboniferous:</b> When trees first existed. There was no fungus that could eat the trees when they died, so they didn’t decompose. They got buried over time and eventually turned into the oil and coal that we use today.</li> <li>▶ <b>Triassic:</b> Early dinosaurs that grew to 2 metres long.</li> <li>▶ <b>Jurassic:</b> Dinosaurs grew and diversified, becoming the dominant animals on earth.</li> <li>▶ <b>Cretaceous:</b> When all the famous dinosaurs lived such as the T-Rex, Triceratops and the Velociraptor, also during this time new mammals and birds appeared.</li> <li>▶ <b>Cenozoic:</b> Following the mass extinction event that wiped out the dinosaurs</li> </ul> <p><b>MAIN TEACHING – Ocean Dinosaurs Through Time (20 minutes)</b>            Using the picture of ocean dwelling creatures, tell the children that we will be guessing at what point in history throughout the above time periods these creatures lived.</p> <p>With the earliest dating back 500 million years (during the late Cambrian period) and the latest still living today, but existing from 1.25 million years ago during the Cenozoic period.</p> <p>Tell the children that using a computer or relevant books they can research each animal to determine where it goes on the timeline.</p>	<p><b>Materials Required:</b></p> <ul style="list-style-type: none"> <li>▶ Timeline scale to stick on the wall</li> <li>▶ Printed out imagery of the dinosaurs / creatures</li> <li>▶ Research materials (computer or related books)</li> </ul> <p><b>Key Words:</b></p> <ul style="list-style-type: none"> <li>▶ Cambrian</li> <li>▶ Carboniferous</li> <li>▶ Triassic</li> <li>▶ Jurassic</li> <li>▶ Cretaceous</li> <li>▶ Giant Orthocone</li> <li>▶ Leedsichthys</li> <li>▶ Elasmosaurus</li> <li>▶ Archelon</li> <li>▶ Megalodon</li> <li>▶ Blue Whale</li> </ul> <p><b>Success Criteria:</b></p> <ul style="list-style-type: none"> <li>▶ I understand the different periods throughout earth’s history.</li> <li>▶ I understand the different periods throughout earth’s history and what happened during that time.</li> <li>▶ I understand the different periods throughout earth;s history, what happened during that period and can place an animal in time period that they existed.</li> </ul>

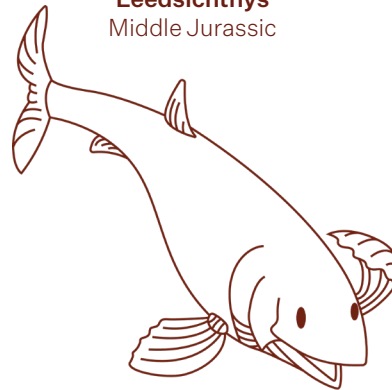
Objectives	The Scale and Size of Dinosaurs	Extra Information
	<p><b>MAIN TASK – BIG write (25 minutes)</b> Split the children into six groups, each will have their own ocean dwelling creature to research and then place on a timeline scale, ranging from 500 millions ago - present date.</p> <ul style="list-style-type: none"><li>▶ <b>Giant Orthocone:</b> Late Cambrian - Late Triassic 500 million years ago The leading predator of its time, the Giant Orthocone would capture its prey with its tentacles and rip them apart using its strong beak.</li><li>▶ <b>Leedsichthys:</b> Middle Jurassic, 170 million years ago Although the Leedsichthys was massive, it was somewhat of a gentle giant, feeding on small shrimp, fish and plankton.</li><li>▶ <b>Elasmosaurus:</b> Late Cretaceous, 80 million years The name Elasmosaurus, pronounced ee-lazmo-saw-rus is greek for ‘thin plated lizard’. It was allegedly a very slow swimmer.</li><li>▶ <b>Archelon:</b> Late Cretaceous, 65 million years ago This 12 foot long turtle didn’t have a hard shell like its modern day ancestors. It had bony plates and/or a leather like covering that was stretched over the top, which allowed it to float.</li><li>▶ <b>Megalodon:</b> Cenozoic, 2.3 - 3.5 million years ago One of the largest fish to have ever lived, the Megalodon is thought to have eaten around 2,500 pounds of food every single day. Yum!</li><li>▶ <b>Blue Whale:</b> Cenozoic, 1.25 million years - Present Day The blue whale is so big that its tongue alone weighs the same as an elephant and its heart weighs the same as a car.</li></ul> <p><b>PLENARY – (5 minutes)</b> <b>GROUP DISCUSSION</b> – Have the children share some fun facts they found out about their dinosaur or ocean dwelling creature.</p>	

## The Scale and Size of Dinosaurs

**Giant Orthocone**  
Late Cambrian



**Leedsichthys**  
Middle Jurassic



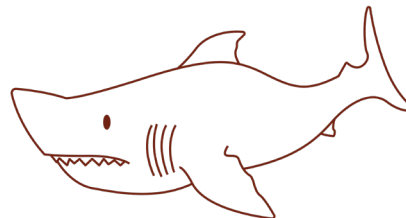
**Elasmosaurus**  
Late Cretaceous



**Archelon**  
Late Cretaceous



**Megalodon**  
Cenozoic

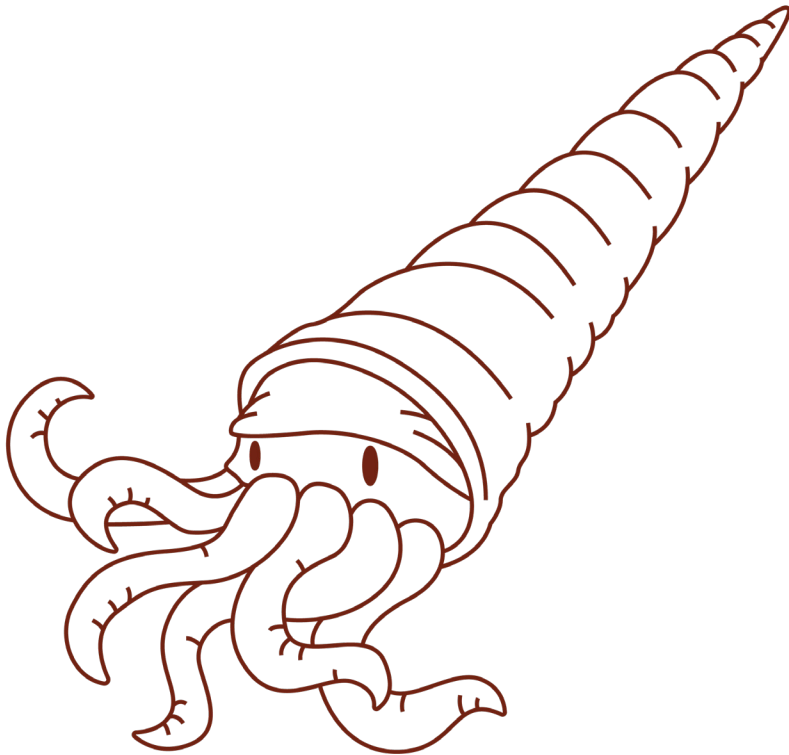


**Blue Whale**  
Present Day Cenozoic

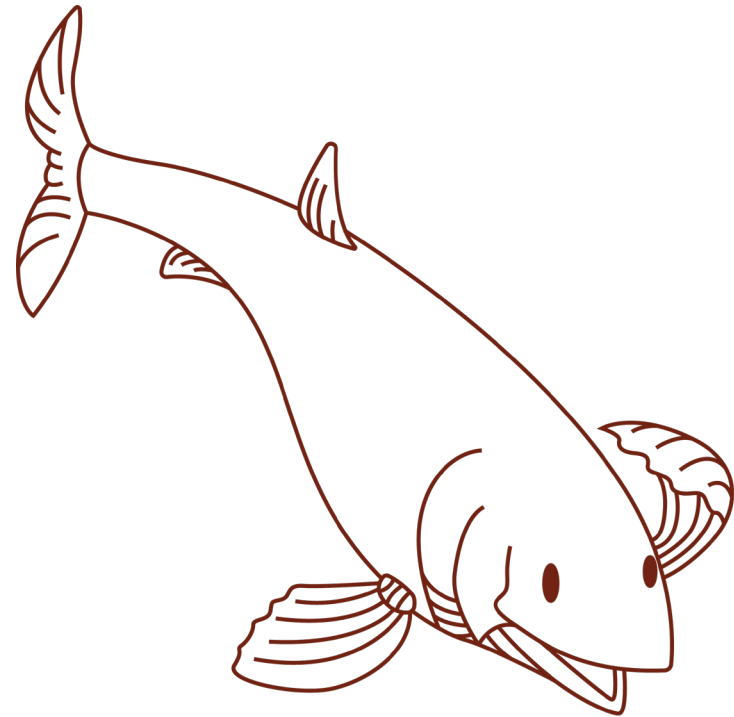


## The Scale and Size of Dinosaurs

Giant Orthocone

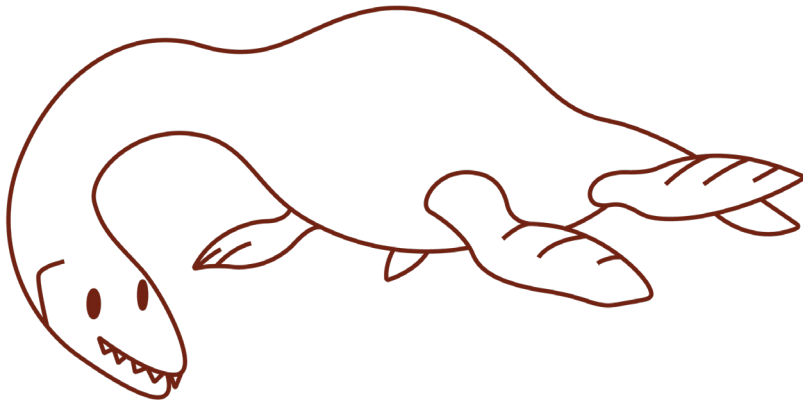


Leedsichthys



## The Scale and Size of Dinosaurs

Elasmosaurus

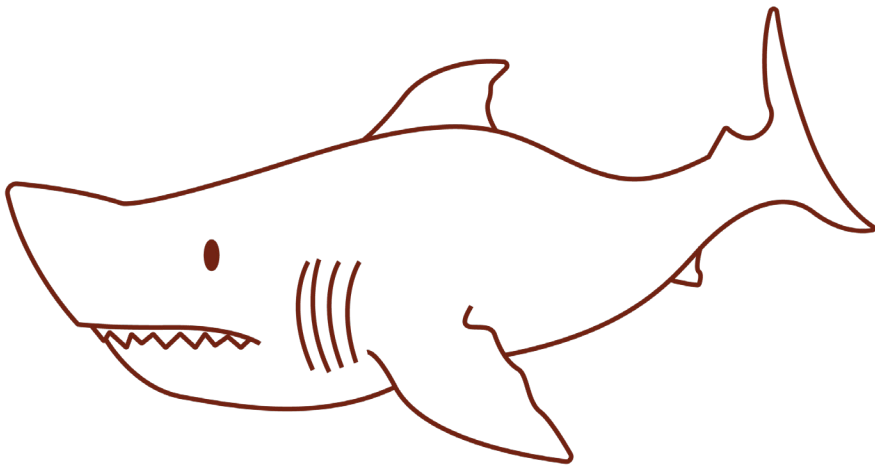


Archelon



The Scale and Size of Dinosaurs

Megalodon



Blue Whale

