



KNOWLEDGE ORGANISER FOR 'BIG AND SMALL' TOPIC - DINOSAURS

KEY QUESTIONS:

- What is a dinosaur?
- When did dinosaurs exist and when did they become extinct?
- What are the periods of time when dinosaurs lived and what are these called?
- Where did dinosaurs live?
- What sort of habitats did dinosaurs live in?
- What is a carnivore, herbivore and an omnivore?
- How do we know about dinosaurs today?
- What is a fossil?
- Who was Mary Anning?

By the end of the topic I will:

- Explain what a dinosaur is.
- Understand when dinosaurs lived on earth and how they became extinct.
- Understand that there were different periods when dinosaurs lived and name them.
- Know where dinosaurs lived and what their habitats were like.
- Understand what a carnivore, herbivore and omnivore is.
- Understand how we know so much about dinosaurs today.
- Explain what a fossil is and how they help us to understand the period of time when dinosaurs lived on earth.
- Be able to discuss who Mary Anning was and why she is a significant person today.

Some facts about dinosaurs

 <p>Tyrannosaurus A carnivore that was 12m high. It lived in swamps and forests. Even though it was big, it was very fast and ran at 16mph.</p>	 <p>Brachiosaurus It was a herbivore and it got a lot of its food from trees using its long neck. It lived in forests and was 23m high.</p>	 <p>Stegosaurus A herbivore that had two rows of plates along its back. It had a very small brain. It was 9m long and lived in woodlands.</p>	 <p>Pteranodon It was a carnivore. Its wings were 9m wide and had a long thin beak. It didn't have any feathers. It lived by the coast and ate fish.</p>	 <p>Diplodocus A herbivore with a huge long whip like tail. It used its long neck to reach the treetops. It was 25m long, which is the length of 2 buses.</p>	 <p>Triceratops It was a herbivore. Its head had a frill and 3 horns which were used as weapons. It was 9m long and it lived in the forests and ate plants.</p>
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When dinosaurs lived this was called the **Mesozoic Era**. This is divided into the following periods:

Triassic Period
250-200 million years ago



Jurassic Period
200-145 million years ago



Cretaceous Period
145-65 million years ago



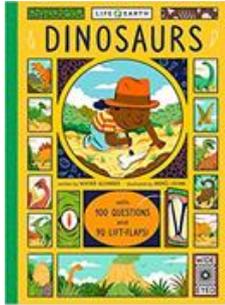
Present Day
Now



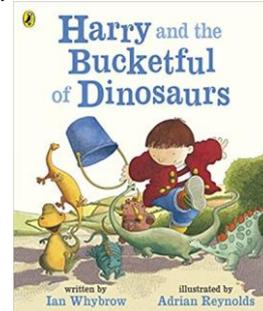
Key vocabulary	
Dinosaur	Dinosaurs were the main animals on Earth for around 180 million years. They were lizard-like reptiles.
Extinct	When animals or plants die out or disappear completely.
Fossil	The remains of an animal or plant that have been left in the rocks for a very long time.
Herbivore	An animal that eats plants.
Carnivore	An animal that eats other animals.
Omnivore	An animal that eats a variety of both plants and animals.
Reptile	A cold blooded animal with dry scales or hard plates covering its body that lays eggs.
Mammal	A warm blooded animal, normally with hair or fur, which typically gives birth to live young and feeds them with milk.
Warm blooded	Animals which maintain a constant body temperature, normally higher than their surroundings (mainly mammals and birds).
Cold blooded	Animals whose body temperature varies depending on its surrounding environment.
Palaeontologist	A scientist who studies fossils.
Asteroid	A chunk of rock or metal in space that orbits the sun.
Volcano	A mountain or hill with a crack where lava and gases can escape.
Lava	Extremely hot rock that pours out of the ground.
Jungle	An area of land where many trees and plants grow closely together.
Desert	A large dry region that gets very little rain each year.
Swamp	A type of wetland where trees are common and the ground is wet and boggy.
Predator	An animal that hunts and kills other animals.
Prey	An animal that is hunted and killed by another animal.
Evolve	To develop and improve over time.
Adapted	Something which has changed to suit its surroundings.

Books Suggestions

Life on Earth: Dinosaurs
Heather Alexander & Andres Lozano



Harry and the Bucketful of Dinosaurs
Ian Whybrow & Adrian Reynolds



Here is a link to other great books about dinosaurs

<https://www.booksfortopics.com/dinosaurs>

Other Ideas

Research and find out more about different dinosaurs using non-fiction books or the internet.

Watch the BBC Series 'Walking with Dinosaurs' (Some clips are available on BBC iPlayer) or watch the films 'The Good Dinosaur' or 'Ice Age 3 - Dawn of the Dinosaurs'.

Make a model dinosaur out of anything, e.g. junk, paper mache, Lego or Playdoh.

