Year 2, Spring 1, Topic

Whatever Happened to the Dinosaurs?

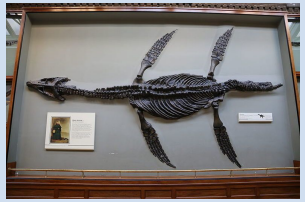
What do I already know?

- ❑ I can name the continents of the world (Y1)
- ❑ I can name the seas and oceans (Y1)
- ❑ I can listen to and talk about stories with dinosaur characters. (EYs)

Significant Figure

Mary Anning *(21st May 1799-9th March 1847)*

- ❑ English fossil collector and ***palaeontologist***
- ❑ Found Jurassic marine fossil beds in the cliffs along the English Channel at Lyme Regis (Dorset, South West England)
- ❑ This part of England is now called the **Jurassic Coast** and discoveries are still being made to this day
- ❑ Discovered the first specimen of **ichthyosaur** to be known by scientists in London
- ❑ Today the **Natural History Museum** in London showcases several of Mary Anning's spectacular finds, including her ichthyosaur, plesiosaur and pterosaur



Key facts: General Knowledge

What are the 7 continents of the word?	❑ Asia, Africa, North America, South America, Europe, Antarctica and Australia.
What are the 5 oceans of the world?	❑ Arctic Ocean, Atlantic Ocean, Indian Ocean, Pacific Ocean and Southern Ocean.
How do we know dinosaurs existed?	❑ ***Paleontologists*** are like detectives who examine the evidence that extinct animals left behind. ❑ The clues to what dinosaurs were like are found in ***fossils*** - the ancient remains of an organism, such as teeth, bone, or shell - or evidence of their activity, such as footprints and trackways.
When and where did the dinosaurs live?	❑ Dinosaurs lived on all ***continents***. ❑ At the beginning of the age of dinosaurs (Triassic Period, about 250 million years ago) the continents were arranged together as a single supercontinent called ***Pangea***.
What was life like on earth when the dinosaurs existed?	❑ **Triassic Period** - the climate was quite hot, and much of the land was covered in deserts. ❑ **Jurassic Period** - the climate was warm and wet which helped lush vegetation to grow ❑ **Cretaceous Period** - the climate was warm with rising sea levels which created shallow inland seas.
Which animal family did dinosaurs belong to?	❑ Dinosaurs are diverse group of reptiles.

Key Vocabulary

carnivore	An animal that gets its energy from eating meat.
continent	An area of land. There are seven continents of Earth.
cretaceous	Period of time of Earth.
excavate	Remove earth carefully and systematically from an area in order to find buried remains
extinction	The dying out or disappearance of a species on Earth.
fossil	The preserved remains or impressions of a living organism such as a plant, animal or insect.
herbivore	An animal that gets its energy from eating plants.
jurassic	The second geological period in the Mesozoic era.
Lyme Regis	A town in West Dorset on the south coast of England
ocean	A huge body of salt water.
omnivore	An animal that gets its energy from plant and other animals.
paleontologist	A scientist who studies the remains of ancient organisms or living things.
pangea	A supercontinent
triassic	The first geological period in the Mesozoic era.

Timeline of periods:

MESOZOIC ERA → **CENOZOIC ERA**

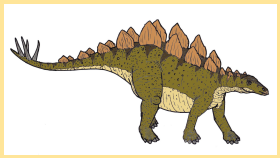
Triassic Period
Approximately 250 million years ago.
First dinosaurs and mammoths evolve

Placodus

Tanystropheus

Marasuchus

Jurassic Period
Approximately 200 million years ago.
First mammals.
Giant dinosaurs and first birds (late Jurassic)

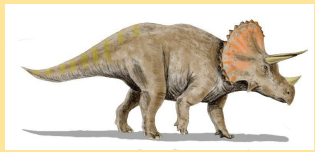


Stegosaurus

Diplodocus

Pterodactyl

Cretaceous Period
Approximately 145 million years ago.
First flowering plants.
Zenith of the dinosaurs (when they were most powerful)/ successful)



Triceratops

Baryonyx

Tyrannosaurus

Mass Extinction Approximately 65 million years ago.

Continents and Oceans