



## Beech Hill Topic Must Knows

### Year 3 -Dinosaurs

- To understand the chronology of the time of the dinosaurs and place these on a timeline.
- The names of the 3 periods of the dinosaurs and the of length of each. **Triassic (32MY)**, **Jurassic (63MY)**, **Cretaceous (80MY)**
- What the climate and plant life was like each period and why they were like this relating to changes of the continent.  
**Triassic (Hot and dry, sparse plant life)**, **Jurassic (cooler but much like the tropical rain forests of today)**, **Cretaceous (More seas and oceans, much cooler and masses of plant life)**
- The names of dinosaurs that existed in each period. (2 for each period)

**Triassic:** Coelophysis, Plateosaurus **Jurassic:** Stegosaurus, Brachiosaurus **Cretaceous:** Tyrannosaurus Rex, Triceratops

- That humans and dinosaurs never existed together on Earth.
- That we know about dinosaurs today because of fossils that have been discovered and what each type of fossil tells us  
**Teeth (what the dinosaur ate), bones and footprints (how big the dinosaur was), poo (what the dinosaurs ate), eggs.**

- The typical characteristics of dinosaurs that were herbivores, carnivores and omnivores linking to the fossilised teeth that have been discovered.

**Herbivores**-Round, flat teeth to grind down plants. **Carnivores**-Sharp teeth to tear meat. **Omnivores**-Sharp teeth at the front, round flat teeth at the back to eat both meat and plants.

- The 4-step process of fossilisation ([Science Link](#))
  - Animal dies
  - Covered in layers of sediment
  - Bones decay and minerals from rocks replace the bones and harden
  - Over millions of years the fossil works its way back up to the surface and is discovered.
- To understand how big some dinosaurs actually were by measuring their length in metres on the playground and ordering them in size. ([Maths Link](#))

### Key

### Vocabulary

Triassic, Jurassic, Cretaceous, Cenozoic Era, Million Years Ago (MYA), Coelophysis, Plateosaurus, Stegosaurus, Brachiosaurus, Tyrannosaurus rex, Triceratops, Pangea, continent, land mass, extinct, carnivore, omnivore, herbivore, adaption, fossil, fossilisation, palaeontology / palaeontologist, sediment, decay, length.