

A Science It! Activity



Make Your Own Fossil Kit

Kit Content

- Parasaurolophus Dinosaur Puzzle
- Parasaurolophus Dinosaur
- 2 x Moulding Foams
- Tools
- Toothbrush
- 64 g Dental Stone (enough to make 2 models)
- Measuring Cup
- Colour in Dinosaur Box



This mega dig kit includes everything you need to reconstruct how fossils are made and then discovered!

Build your dinosaur skeleton puzzle, bury it, mould it, then dig it!

Building this 3D puzzle stimulates logical thinking and special imagination.

1. Build your Parasaurolophus Dinosaur puzzle.
2. Gently push it into the foam mold using the wooden stick – this ensures no finger marks are made.
3. Carefully remove your dinosaur skeleton.
4. Carefully measure 10 ml of water and add it to 32 g of dental stone powder.
5. Mix until you have a smooth paste – 30 seconds max.
6. Pour the paste into the mold – use the lollipop stick to smooth the surface.
7. Leave for 60 minutes.
8. Place your mould on a tray.
9. Carefully remove the outer layer of the foam with your fingers.
10. As you get closer to the skeleton you will then need to use the wooden stick.
11. The toothbrush is then used to brush away the foam that is found within the rib cage and other crevasses.
12. When completely dry paint your fossil!

Dental stone can be used to collect many kinds of impressions. Forensic scientists use it a lot to gather impressions of shoe prints and type tracks.



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Parasaurolophus Facts

Species Type: Parasaurolophus Walkeri

Type of Dinosaur: Ornithopoda

Period: Late Cretaceous Period (83.5 to 70.6 million years ago)

Diet: Foliage (herbivorous)

Lifespan: Unknown

Length: 9.5 m (average)

Weight: 3000 kg (average)

Reproduction: Laying eggs

Found in Canada & USA

Named by: Parks (1922)

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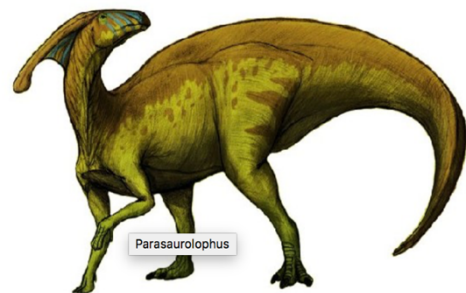
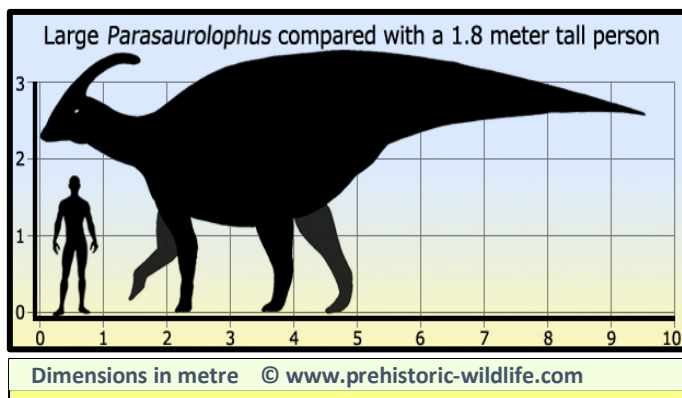
Parasaurolophus (pa-ra-saw-ROL-off-us)



Parasaurolophus was a **herbivore**. It lived in the **Cretaceous** period and inhabited North America. Its fossils have been found in places such as Alberta (Canada), New Mexico and Arizona. Parasaurolophus was a bipedal, herbivorous **ornithischian** dinosaur that dwelt in what would become the North American mid-west during the late Cretaceous period. It is recognisable for the long, blunt crest protruding from the back of its skull. Although the exact purpose of this crest is a matter of some debate, aesthetic value, temperature regulation, and even vocalisation have all been proposed as possible uses for the formation.

Parasaurolophus could walk on two or four legs, depending on the situation. It was 9.5 metres long, fully grown.

In art, Parasaurolophus is often discerned by its beak and distinctive crest, which varies in length as determined by the species depicted.



Scientists do not know what dinosaurs looked like - this is an artist's impression of what parasaurolophus may have looked like.