





The Supercontinent of Pangea



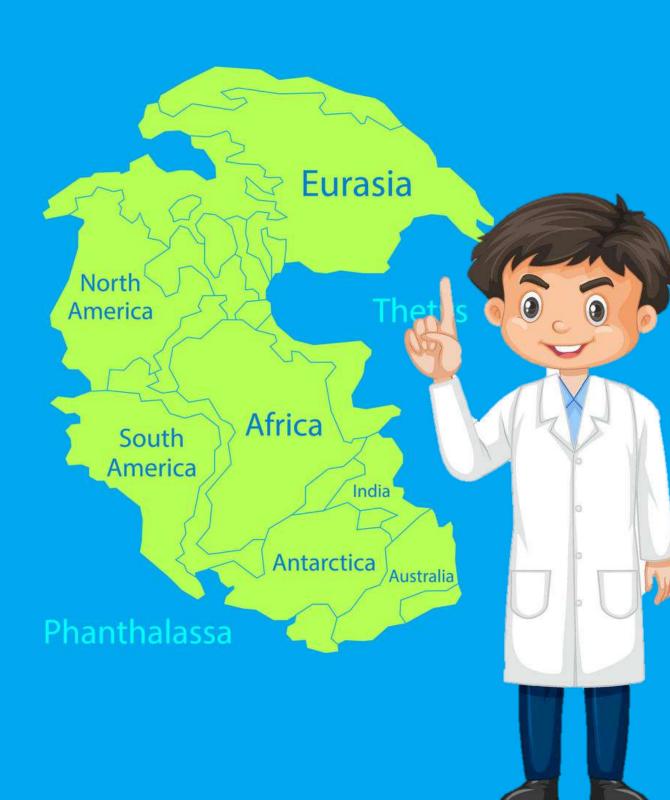
Have you ever noticed how South America and Africa look like puzzle pieces that would fit together? Well, they did! Earth was once dominated by the supercontinent Pangaea.

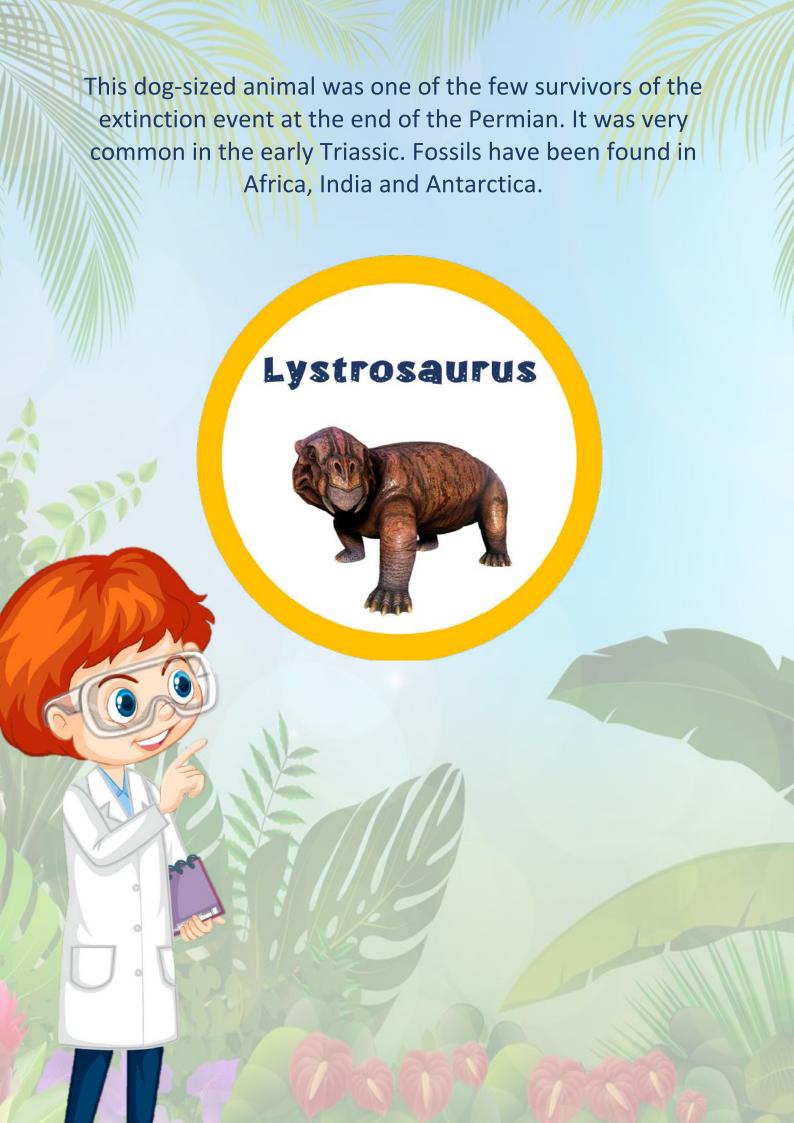
Some of the main pieces of evidence for Pangaea are fossils. Several species have been found on very different continents today, suggesting that these land masses were once joined.



A Different World

About 300 million years ago, Earth's land masses came together, forming a supercontinent that reached from pole to pole. It started breaking up roughly 200 million years ago. As the continents drifted apart, they would eventually reach their modern configuration. This map shows where today's land masses fitted into Pangaea ...





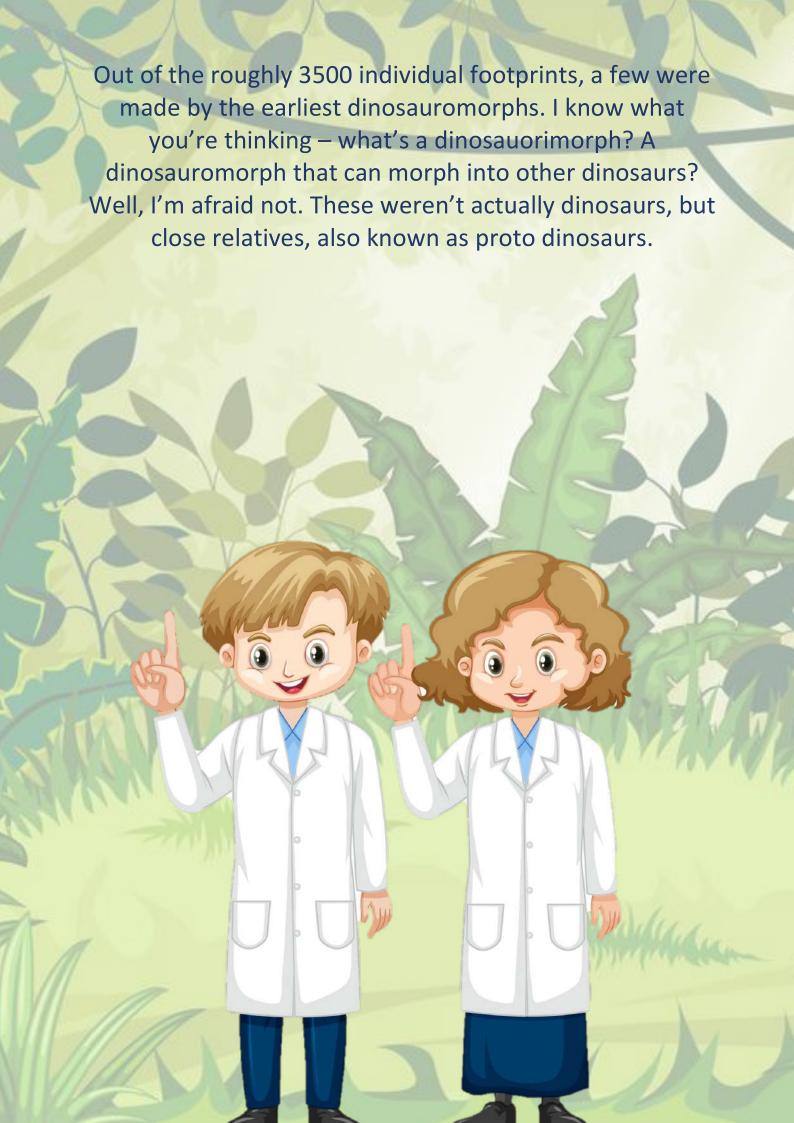














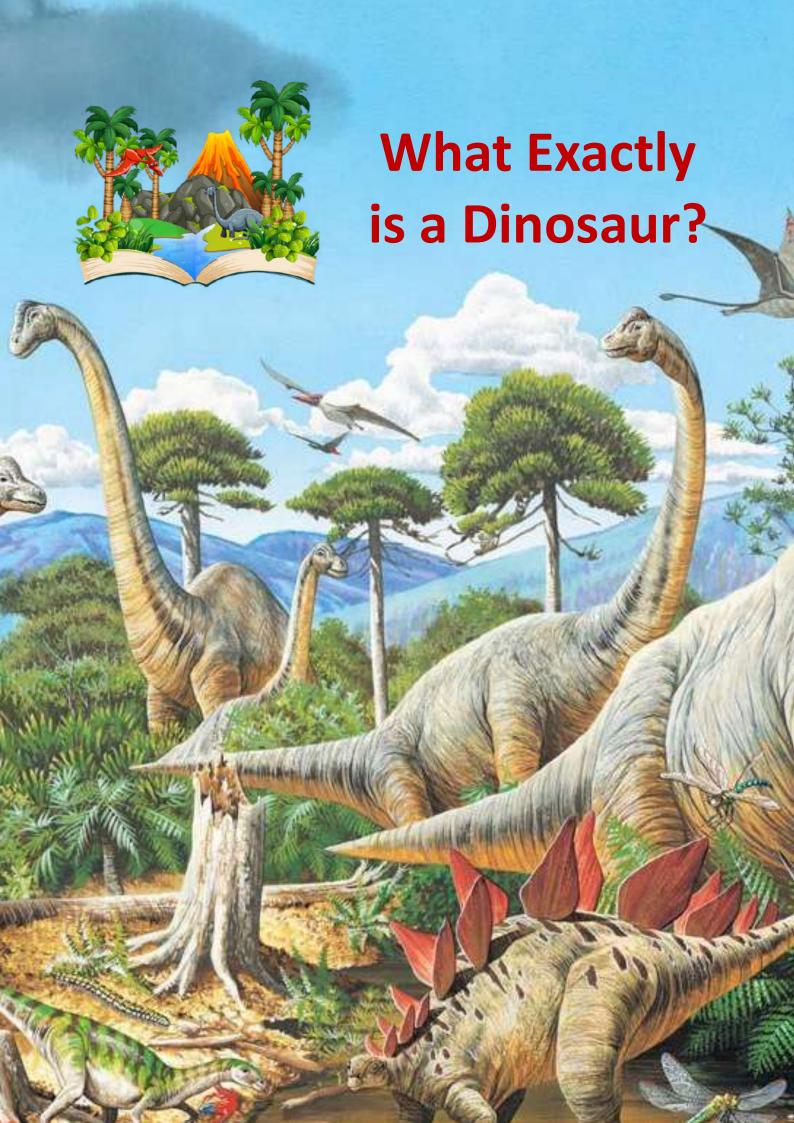


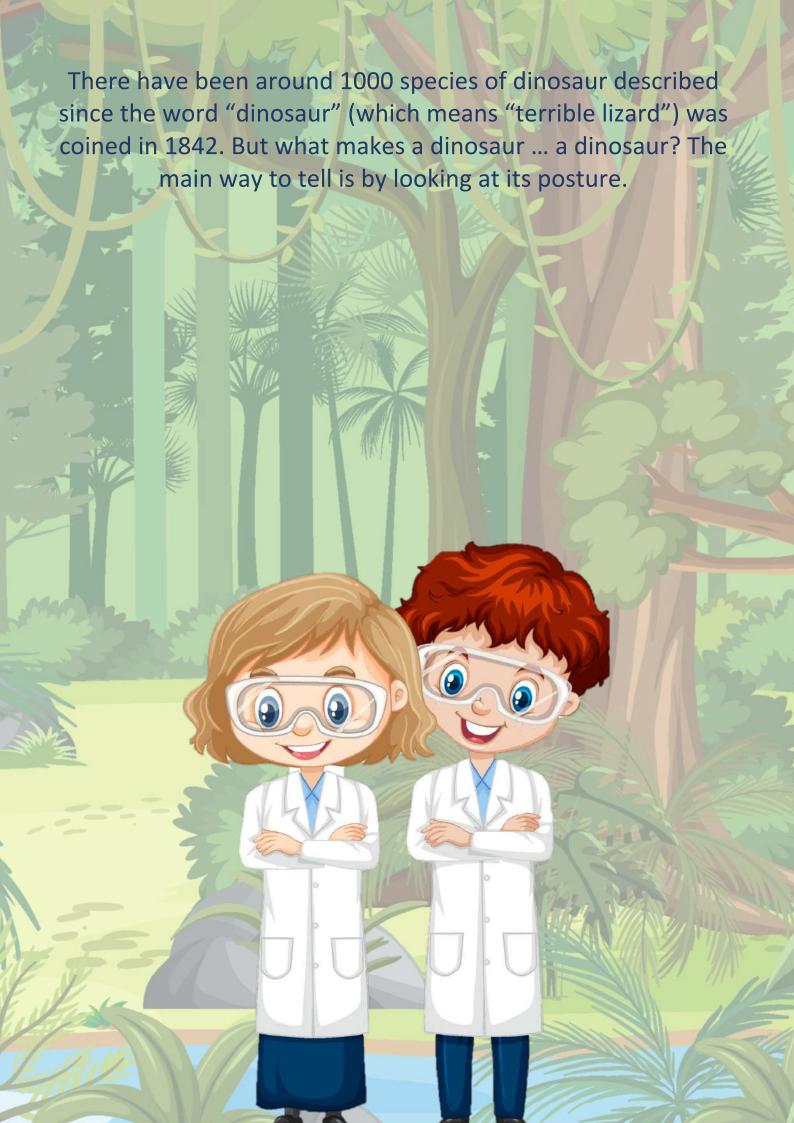


Based on the big spaces between the footprints, its limbs must have been pretty long. And since the footprints went over the handprints, scientists think its legs would have been longer than its arms. So, all in all, poor Prorotodactylus was kind of an awkward-looking animal.

Another surprising thing was how rare the dinosauromorph tracks were compared to all of the other animal tracks preserved with them. This meant dinosaurs and their ancestors were minor players in their habitats when they first evolved. That, of course, would soon change...



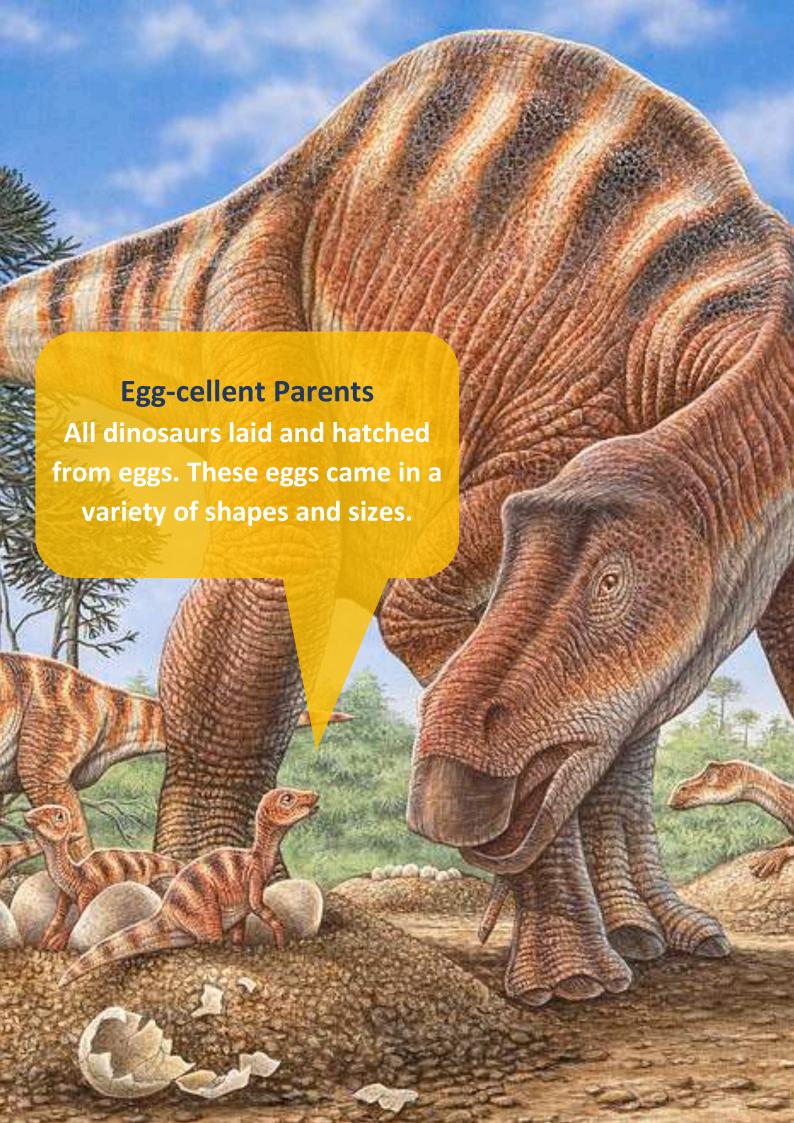




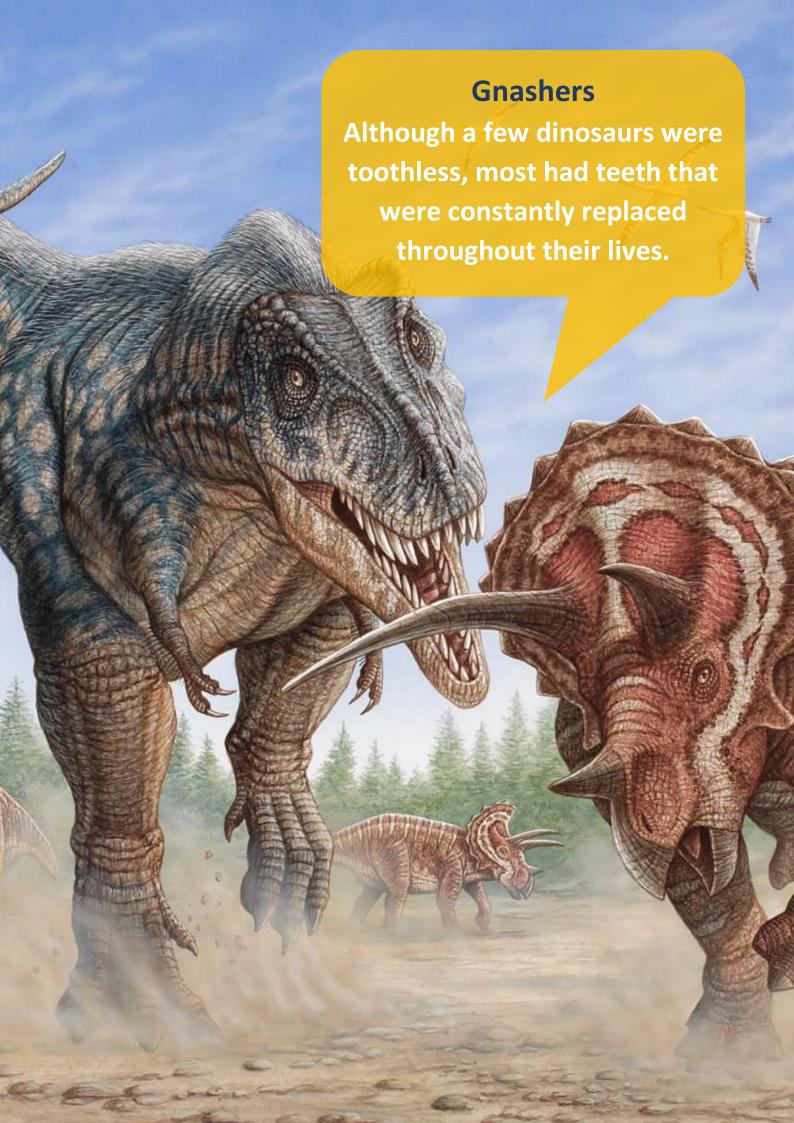


Other reptiles, such as crocodiles, have a sprawling stance and walk with their legs out to the sides. We also know, from dinosaur footprints and skeletons, that dinosaurs did not drag their tails.







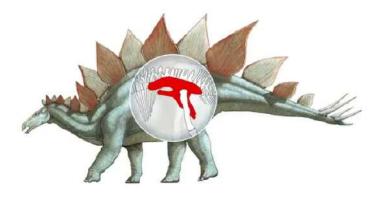




The Hips Don't Lie

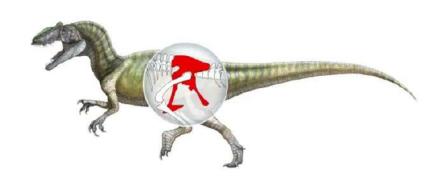
Dinosaurs can be split into wo main groups – Saurischians and Ornithiscians. The way to tell them apart is by looking at their hips.





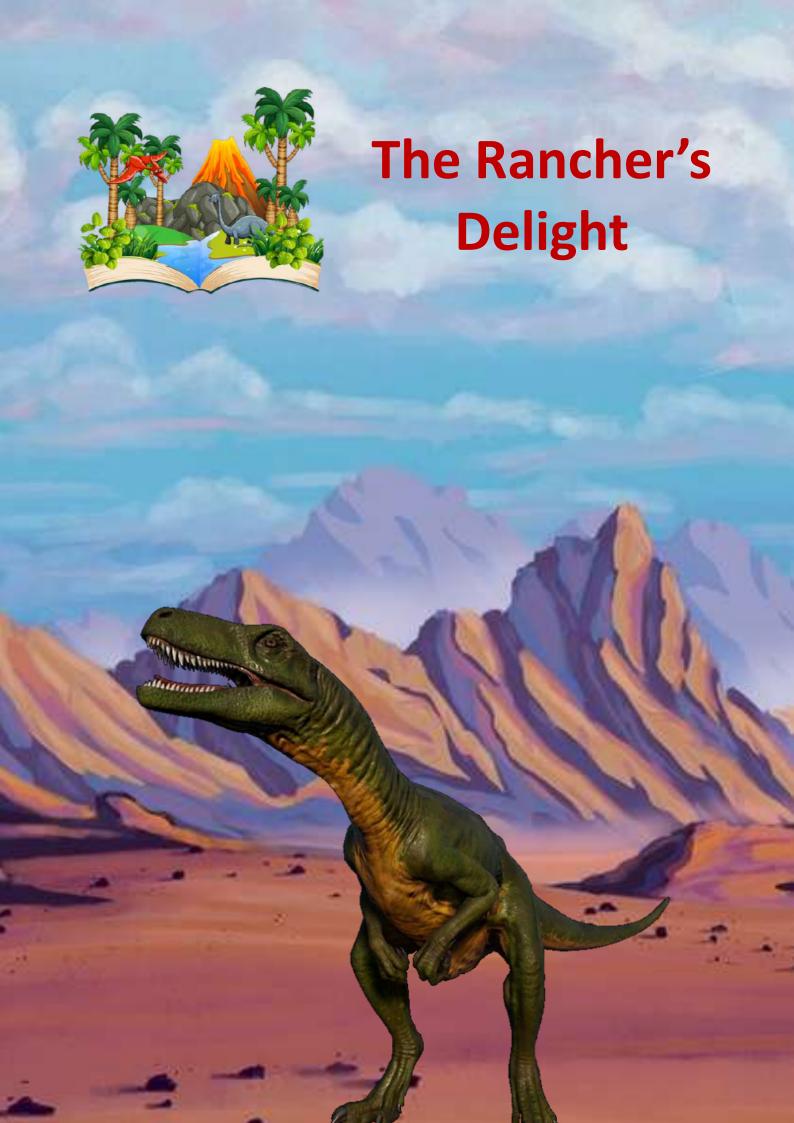
Hip Bone Points Backwards

Saurischians

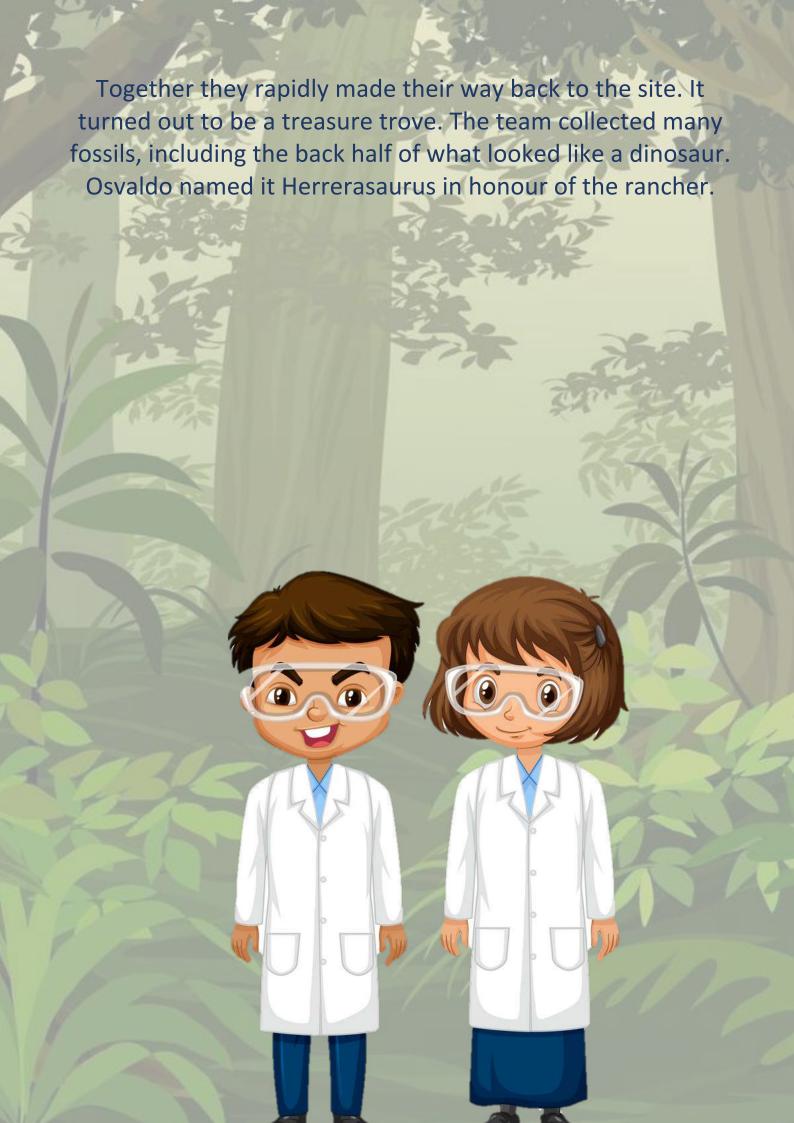


Hip Bone Points Forwards













Herrerasaurus was a carnivore (mear-eater) that walked on two legs. It was huge, but not the biggest predator around ... That title belonged to the Saurosuchus, a crocodile-like giant that enjoyed nothing more than to snack on early dinosaurs – like our good friend, Herrerasaurus.









