



TRAVEL TO A TIME LONG BEFORE DINOSAURS WHEN PERMIAN MONSTERS RULED THE EARTH!

The Permian Period, about 299 to 252 million years ago, was a time interval that occurred before the “Age of Dinosaurs.” At this time, most of the continents on earth were linked together in one large supercontinent called Pangaea and surrounded by one large ocean. Many different types of plants and animals evolved during this time, including reptiles. Different groups of early land vertebrates living at this time would become the ancestors to the first mammals and dinosaurs. The Permian Period ended in the largest mass extinction in history. Over 90% of all plant and animal life on Earth went extinct at the end of the Permian due to climate change, especially warming of global temperatures, and volcanic activity. Together, these factors greatly changed ocean levels, temperatures and chemistry, and levels of carbon dioxide and oxygen in the air and water. Survivors of this extinction would repopulate the Earth over time with a different diversity of species. Learning about the Permian Period can tell us about what life on Earth was like in the past and how it changed over time!

WEEK 9

JOURNEY TO THE PERMIAN

DAY 1:

MEET A PALEONTOLOGIST

Meet Nick Czaplewski, a curator of vertebrate paleontology at the Sam Noble Museum! This week we will get a special look at the museum’s newest temporary exhibit, Permian Monsters: Life Before Dinosaurs <https://samnoblemuseum.ou.edu/permanent-exhibits/current-exhibits/> , on display at the museum from August 4 to November 8, 2020. Nick will walk us through history to see when the Permian Period was, why these animals are not actually dinosaurs and how paleontologists use fossils to learn more about the past.

In this video we explore:



<https://youtu.be/KJlgEY9O1Es>

- When was the Permian?
- How are the “Permian Monsters” different from dinosaurs?
- How can we study fossils to learn about ancient animals?
- How does Oklahoma fit in the study of the Permian?
- What was the Permian extinction?



Sam Noble Home



For more activities visit samnoblemuseum.ou.edu/samnoblehome