

DINO DANA

DINO DANA 516

THE DINO DAYS OF SUMMER

Watch as I find out how the Futalognkosaurus, Psittacosaurus, and Kosmocerotops stay cool when it's hot!

QUESTION:

How do dinosaurs keep cool when it's hot?

BACKGROUND RESEARCH NOTES:

Some dinosaurs lived in places that got really hot and they needed to find ways to keep cool!

MY PLAN:

Observe how different dinosaurs stay cool on a hot day!



FIELD NOTES:

1. The Futalognkosaurus was hiding under a tree to block the sun and stay cool. But she's so big the tree only covers part of her body!
2. The Psittacosaurus dug a hole because it's cooler inside the hole than outside in the sun.
3. I found a Kosmocerotops rolling around in mud to keep the sun off its skin and stay cool... Kind of like dino sunblock!



FINDING:

There were lots of ways that dinosaurs kept cool. Some found shade under trees, others dug holes to make their own shade, and some covered themselves in mud to help keep the sun off their bodies.



FOR PARENTS

ABOUT THE EPISODE: In this episode, Dana investigates how different dinosaurs keep cool when they get hot. She learns that the Futalognkosaurus keeps cool by finding its own shade (e.g., under a tree), the Psittacosaurus stays cool by digging its own holes and the Kosmocerotops keeps cool by rolling in mud! This episode teaches children that different dinosaurs use different methods of staying cool by using their unique features to their advantage.

EXTENSION ACTIVITY: Just like dinosaurs, humans get hot on sunny days and need to find ways to cool down. Some dinosaurs find shade, dig holes, or roll around in mud. What are some ways you keep cool on a hot day? Do you use some of the same techniques as the dinosaurs? Make a list of ways with your child to remind them how important it is to cool down from the heat.

HEART MOMENT: In this episode, Dana's grandma makes Dana wear a dress for their family portrait. While completing her Dino Experiment, Dana gets the dress all dirty! Even though her grandma gets upset, Dana builds up the courage to say that she doesn't like wearing dresses. Her grandma understands and makes her a new outfit that Dana feels comfortable in.

Has your child expressed interest in choosing their own clothes? Are there certain types or colours of clothes they do or do not want to wear? Clothing is a terrific way to let young kids express themselves. Try to encourage their unique choices and voice.

CURRICULUM EXPECTATIONS

KINDERGARTEN

- 13.3** Select and use materials to carry out their own explorations.
- 14.3** Recognize, explore, describe and compare patterns in the natural and built environment.

GRADE 1 SCIENCE: UNDERSTANDING LIFE SYSTEMS NEEDS AND CHARACTERISTICS OF LIVING THINGS

- 2.3** Investigate and compare the physical characteristics of a variety of plants and animals, including humans.
- 3.2** Identify the physical characteristics (e.g., size, shape, colour, common parts) of a variety of plants and animals.

GRADE 2 SCIENCE: UNDERSTANDING LIFE SYSTEMS GROWING AND CHANGES IN ANIMALS

- 2.2** Observe and compare the physical characteristics (e.g., fur or feathers; two legs or no legs) and the behavioural characteristics (e.g., predator or prey) of a variety of animals, including insects, using student-generated questions and a variety of methods and resources.
- 3.1** Identify and describe major physical characteristics of different types of animals (e.g. insects, mammals, reptiles).

GRADE 1 SOCIAL STUDIES

- A2.2** Gather and organize information on significant events, people, and/or places in their lives that contribute or have contributed to the development of their roles, relationships, responsibilities, and identity/sense of self, using primary and/or secondary sources that they have located themselves or that have been provided to them.

GRADE 2 SOCIAL STUDIES

- A3.1** Identify and describe different types of families.



DINO EXPERIMENT _____

QUESTION: _____

BACKGROUND RESEARCH NOTES:

MY PLAN:

FIELD NOTES:

FINDING:

THIS OR THAT!

QUESTION 1:

How does the Psittacosaurus stay cool when it's hot?



QUESTION 2:

The Futalognkosaurus weighs more than 80 of which animal?



QUESTION 3:

Which dinosaur has a name that means "parrot lizard"?



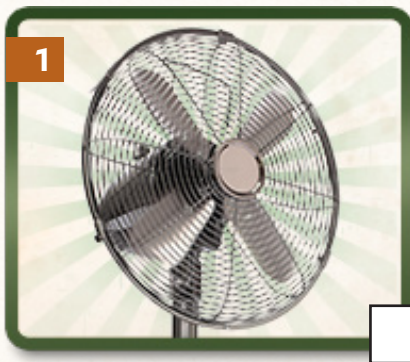
COLUMN MATCHING

Match the dinosaur (or me!) to the way it keeps cool!



CATEGORY SELECTION

Select all the ways the dinosaurs kept cool.



WORD JUMBLE

Unscramble the letters to find the missing word!



The Kosmocerotops' name means
decorated _____ face.

NOHR



The Futalognkosaurus' name means,
giant _____ lizard.

FHICE



The Kosmocerotops rolls in _____ and water.

UMD

1. HORN. Fact: The Kosmocerotops's face has more horns than any other dino's face. 2. CHIEF. Fact: The Futalognkosaurus is one of the largest dinos of all time. 3. MUD. Mud helps to cool the Kosmocerotops down when it's hot.

PUZZLE

Cut along the solid white lines to make a puzzle.

