

## PROGRAM OVERVIEW

**Thank you for booking Discovering Dinosaurs with Royal Tyrrell Museum Distance Learning!**

During this tour of our world-renowned *Dinosaur Hall*, young participants will learn about the different dinosaurs that lived in ancient Alberta. Each stop explores a curriculum concept like carnivores and herbivores, predators and prey, or plants and the ancient environment. After the tour there will be lots of time for questions with our dinosaur experts!

**Audience:**

Kindergarten – Grade 3 \* (maximum 35 students)

**Alberta curriculum connections:**

Kindergarten (Environmental and Community Awareness)  
Grade 1 Science (Needs of Animals and Plants)  
Grade 2 Science (Small Crawling and Flying Animals)  
Grade 3 Science (Animal Life Cycles)

## PROGRAM OBJECTIVES

**Participants will:**

1. Recognize a variety of dinosaurs and learn about the characteristics that make them unique
2. Learn about the environment that dinosaurs inhabited
3. Explore the different concepts related to dinosaurs, such as:
  - Carnivores and Herbivores
  - Predators and Prey; Attack and Defence
  - Eggs, Babies, and Parental Care
  - Herds and Packs
  - Ancient Environment

**Pre-program:**

Have the students sit in rows and in view of the camera.

## PROGRAM FORMAT

1. Introduction to palaeontology and fossilization
2. Enter the Mesozoic!
  - *Camarasaurus*: Characteristics of dinosaurs
  - *Stegosaurus*: What did it eat? Herbivores, carnivores, and omnivores
  - *Gorgosaurus* and *Euoplocephalus*: Attack and defense
  - *Lambeosaurus*: Egg and babies; Herding
  - *Dromaeosaurus*: Pack hunting and communication
  - *Triceratops*: Ancient habitats and environments
  - *Tyrannosaurus rex*: Dinosaur names
3. Extinction: How did the large dinosaurs go extinct
4. Question and conclusion

## KEY TERMS

### *Ancient*

Existence of many years; referring to a remote period; to a time in early history (really old).

### *Carnivore*

An animal that feeds exclusively on meat.

### *Dinosaur*

Reptiles that lived 230 - 66 million years ago and lived mainly on land. Ranged from the size of a chicken to the largest animal ever known to walk on earth.

### *Environment*

What is around an animal or plant; where it lives.

### *Extinct*

Group of animals or plants that are no longer living; died out.

### *Fossil*

The remains, traces, or imprints of a prehistoric organism preserved in rock.

### *Habitat*

The part of the physical environment in which an animal or plant lives (its home).

### *Herbivore*

An animal that feeds exclusively on plant material.

### *Mesozoic*

Era of geological time between the Palaeozoic and the Cenozoic eras; made up of three periods - Triassic, Jurassic, and Cretaceous. Also known as the Age of Reptiles or the Age of Dinosaurs.

### *Omnivore*

An animal that feeds both on meat and plants.

### *Palaeontology*

The study of ancient life on Earth based on the fossil record.

## FEATURED DINOSAURS (IN ORDER OF APPEARANCE)

### *Camarasaurus*

(cam-air-ah-SORE-us) “chambered reptile”, from the hollow chambers in its vertebrae.

### *Stegosaurus*

(STEG-oh-SORE-us) “roofed reptile”, from the plates on its back resembling roofing tiles.

### *Gorgosaurus*

(GORG-oh-SORE-us) “fierce lizard”, for the mouth full of sharp, serrated teeth.

### *Euoplocephalus*

(YOU-oh-ploh-SEFF-ah-lus) “well-armed head”, from its tough armour.

### *Lambeosaurus*

(LAM-bee-oh-SORE-us) “Lambe’s reptile”, referring to palaeontologist Lawrence Lambe.

### *Dromaeosaurus*

(droh-MAY-ee-oh-SORE-us) “running reptile”, from its speedy appearance.

### *Triceratops*

(try-SAIR-ah-tops) “three horn face”, from the three horns on its face.

### *Tyrannosaurus rex*

(TY-ran-oh-SORE-us) “tyrant reptile king”, from its large size compared to other meat-eating dinosaurs.