

DINOSAUR BONEBED grades 3 - 12 • program length: 2 hours

*available September and June only

What was it like here 73 million years ago during the Cretaceous? What dinosaurs and plants lived here? How did hundreds of dinosaurs die in one spot? Discover some answers and theories to these questions during this dinosaur bonebed tour. This 2-hour tour of a dinosaur bonebed takes place at Pipestone Creek Park, located 19km south of the museum. Students experience an unforgettable field trip on this 2.5km hike* (round trip). Safety waivers must be signed by all participants. Hiking shoes, water, sunscreen, bug spray and a hat are recommended.

*hike subject to weather conditions

FOSSILS

grades 3 - 12 • program length: 45 mins - 1 hour

During this very hands-on program, students examine real 73 million year old fossils and extraordinary replicas from Alberta and beyond.

CREATING CASTS grades 4 - 12 • program length: 1 hour

Students make their own replica fossil to keep as a souvenir! Students learn the difference between moulds, casts, and fossils. While they wait for their replicas to dry, students will be engaged with behind-the-scenes footage of our palaeontologists and lab technicians. They learn how a fossil is processed from its discovery to its appearance in the museum exhibit. The Philip J. Currie Dinosaur Museum offers a variety of engaging, scientific, curriculum-based school and public programs for kindergarten through grade 12 students. Programs teach about prehistoric life (like dinosaurs and marine reptiles), the fossilization process, geological time, and ancient ecosystems. Students will enjoy dinosaur sing-alongs, create fossil replicas, analyze dinosaur footprints, and much more! Adults can join in and learn about prehistoric life, too!

Admission to the museum galleries – Cretaceous, Devonian, Alberta Today, and our special exhibits – is now included with all school bookings!

For more information about our education, outreach, and public programs – including summer day camps, bonebed tours, and other special events - please don't hesitate to contact the museum.

PHILIP J. CURRIE DINOSAUR MUSEUM

Box 328, 9301 – 112 Ave Wembley, AB T0H 3S0 Education Coordinator Phone: 587-771-0662 ext. 406 Email: education@dinomuseum.ca

Request a Program: dinomuseum.ca/program-request

EDUCATION PROGRAMS

bringing palaeontology into the classroom





TINY-SAURS kindergarten • program length: 1 hour

Meet baby puppet Dino Dale, sing-along to a dinosaur song, and make a paleo-visor to wear during an indoor adventure where students meet modern animals and plants before stumbling upon a dinosaur nest. The eggs are missing! Students must search the room for the missing eggs. A fossil handling session ends the program as the students gather around the dinosaur nest.

DINOSAUR PUZZLES grade 1 • program length: 1 hour

This program starts with an interactive reading of a book by Robert Heidbreder called "Drumheller Dinosaur Dance". The students participate by doing a mini- choreographed dance and reading out loud the main verse of the story. After, the students examine replicas and real fossils. To conclude, they work together in teams to construct giant dinosaur puzzles made out of foam.

BUGS BEFORE TIME grade 2 • program length: 1.5 hours

A dragonfly with a 1 metre wing span! A 7-foot millipede! Students examine specimens of modern and prehistoric insects by looking at fossils and replicas. Participating in hands-on centres, the students learn about Arthropods of the past and present.

GEOLOGY ROCKS grade 3 • program length: 2 hours

Meet a Rock Cycle puppet, learn about the Rock Cycle and explore rocks and minerals. Student examine real fossils during the puppet show and use interactive SMART board technology to enhance their learning, engagement and understanding about rocks, minerals and the rock cycle. Each student is given a mineral to explore at 9 work stations using different tools to determine its properties. They examine fluorescent minerals, analyze slabs of sedimentary and metamorphic rocks under microscopes, prospect for pieces of pyrite, sort rocks, and learn how minerals are used.



CRETACEOUS COOKING grade 4 • program length: 2 hours

Students start the program with an art activity using dinosaur stencils and paint, which involves heat, pressure and time – the same ingredients it takes to make a fossil! Students get to keep their art project as a souvenir. To help them fully grasp the concept of fossilization, and the ingredients necessary to make one, students participate in a dramatization where they "bake" fossils using a magic Cretaceous oven. Then they examine and handle real 73 million year old fossils and extraordinary replicas while learning the fossil laws of Alberta.

CSI: CRETACEOUS SCENE INVESTIGATION grades 5 - 6 • program length: 1.5 hours

An unknown dinosaur has mysteriously died! What could have caused this? Was it poisoned, caught in a flood, or something more? Students will become dinosaur detectives and investigate the evidence of this prehistoric crime.

FLYERS AND GLIDERS grade 6 • program length: 1 hour

Students will explore how different types of animals have mastered the art of moving through the sky. We'll discuss how evolution has given living and extinct creatures amazing aerodynamic features. Students will also examine real fossil remains and modern animal specimens to see how nature's flyers and gliders have changed over time.

ROCKS, FOSSILS, AND GLACIATION grade 7 • program length: 1 hour

Students apply their knowledge of the rock cycle, fossils, glaciation, the Earth's orbit and the effect of volcanic eruptions, to discover what Alberta was like 73 million years ago during the Cretaceous. Through the examination of real fossils and participating in a dramatization of the last glaciation and the formation of a hoodoo, the presentation leaves the students itching for more and an appreciation for geology, palaeontology and science.

DINO TRACKER

grades 10 - 12 • program length: 75 minutes

Dinosaur footprints provide information on dinosaur speed and social behaviour. Students analyze dinosaur trackways found locally and around the world. Examining real and replica trace fossils, they come to understand how the fossil record gives insight to prehistoric life. Using mathematical equations and scientific calculators, students determine the height and speed of three different dinosaurs using only the dinosaur footprints! ***scientific calculators must be supplied by the students or school**.

PALAEONTOLOGY 10 - 30 grades 10 - 12 • program length: 2 hours / unit

A series of courses designed for students with a strong interest in palaeontology, we'll delve into natural history while hitting major science curriculum points. We make use of the museum's exhibits and collections to teach students the history of life on Earth, covering topics from the first animals to the rise of the dinosaurs and more. Students participate in classroom lectures, followed by an interactive portion where their new knowledge is applied. They will also work together to complete and present assignments aimed at combining course material with their own research to demonstrate knowledge and investigative skills.