

# Grade 3 Field Trip

# Devil's Coulee



## **Dear families;**

We are so excited to be taking the Grade 3 students to Devil's Coulee Dinosaur Museum for our upcoming field trip, happening on May 29, 2024. Here is the information you will need to know!

The bus will be leaving the school at 8:15 am in order to get to our destination on time. **This means students will need to arrive at the school between 8:00 am and 8:15.** Please do not be late!

Students will need to bring the following:

- A bag lunch. Microwaves will not be available, so nothing that needs to be heated.
- A water bottle
- Please dress appropriately for the weather, as part of our day will be spent outdoors. Currently, the forecast says it should be nice and sunny, but that may change!
- Sunscreen
- Bug spray
- A hat to protect from the sun, if desired

Attached, you will find the schedule for our day as well as an information letter from Devil's Coulee Dinosaur Museum.

Your student will be bringing home a waiver that must be signed. This is in addition to the permission form that you fill out for the division! **Please fill out and return this form no later than Monday, May 27, 2024.**

**Much thanks,** Grade 3 Teachers



**Devil's Coulee Dinosaur & Heritage Museum  
Devil's Coulee Cooperating Society**

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**MAGRATH ELEMENTARY SCHOOL**

**64 STUDENTS – Gr. 3**

Tour Date: Wednesday, May 29

Tour Duration: 9 AM to 2:00 PM

<b>TIME</b>	<b>ACTIVITY</b>	<b>DURATION</b>
9:00 AM - 9:30 AM	Welcome And Arrival <ul style="list-style-type: none"> <li>• Bathroom Break</li> <li>• Snack Time</li> <li>• <b>Split into 3 groups (~20 students each)</b></li> </ul>	30 min
9:30 AM – 9:35 AM	Travel Time to 1 <sup>st</sup> Station	5 min
9:35 AM – 10:10 AM	Group A – OUTSIDE – DCM Front Field (Bone Bed) OR Library Story Time Group B – INSIDE – Museum Tour Group C – INSIDE – Dino Art – Fossil Casting	35 min
10:10 AM – 10:15 AM	Travel Time to 2 <sup>nd</sup> Station	5 min
10:15 AM – 10:50 AM	Group A – OUTSIDE – DCM Front Field (Bone Bed) OR Library Story Time Group B – INSIDE – Museum Tour Group C – INSIDE – Dino Art – Fossil Casting	35 min
10:50 PM – 10:55 PM	Travel Time to 3 <sup>rd</sup> Station	5 min
10:55 PM – 11:30 PM	Group A – OUTSIDE – DCM Front Field (Bone Bed) OR Library Story Time Group B – INSIDE – Museum Tour Group C – INSIDE – Dino Art – Fossil Casting <ul style="list-style-type: none"> <li>• Please use the washrooms and eat snacks during your outside time</li> </ul>	35 min
11:30-11:35 PM	Load Bus	5 min
11:35 PM – 12:15 PM	Drive To Palaeontological Site	40 min
12:15 PM –1:45 PM	Palaeontological Site Tour	90 min
1:45-2:00pm	Collect Belongings And Load The Bus	15 min
2PM	Departure	

# DEVIL'S COULEE

## Dinosaur & Heritage Museum



On May 24, 1987, Wendy Sloboda, a 19 year old from Warner found small fossil fragments on the Milk River Ridge. Suspecting they were dinosaur egg shell, she sent them to Dr. Len Hills of the University of Calgary. Dr. Hills confirmed her suspicions and notified Dr. Philip Currie, of the Royal Tyrell Museum. The rest of the story is known worldwide.

Devil's Coulee ... Canada's first dinosaur nesting site, complete with embryos, had been discovered.

Warner, AB  
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We invite you to explore the wonders of Alberta's prehistoric past. Be immersed in the thrilling world of dinosaurs with our museum and palaeontological site guided tours and educational program. Foster an appreciation of the natural sciences and the environment. Unleash your inner palaeontologist and embark on an adventure like no other!

Here's what awaits you at Devil's Coulee Museum:

- **Guided Museum Tours** – A guided museum tour where students get to touch real fossils, learn the story of Wendy Sloboda and discover Canada's first dinosaur nesting site.
- **Guided Palaeontological Site Tour** – A guided tour of the dinosaur egg-nesting site - walk in the footsteps of dinosaurs and encounter real dinosaur fossils and nesting sites. Here students will get to see, touch and search for dinosaur eggshell fragments, microfossils, dinosaur bones, and learn the geology of the coulee.
  - The tour is approximately 1 hour at the Palaeontological Site with 30 minutes travel time between the site and museum.
  - **Extended site tours** are available by request. Extended tours include footprints, various other nesting sites, clam beds, and various bone beds.
- **Educational Programing Includes:**
  - **Fossil Casting:** Students will get to make a plaster baby dinosaur footprints to take home. During this activity we teach the students about the uses of plaster in the field of paleontology.
  - **Bone Bed Exploration:** This activity, geared for the younger students allows the students to practice digging up dinosaur bones while learning how to handle the tools.
  - **Dig Techniques:** Students would get to learn and practice proper dig techniques used by paleontologists and palaeo-technicians. (Must be done in conjunction with Fossil Collection law, or explanation of the need of permits to dig). Digging would happen in a simulation bone bed.
  - **Geology:** Students would learn the geology of the Milk River Ridge, Southern Alberta and the Western Canada Sedimentary Basin.

- **Fossil Jackets:** Students will learn how and why a fossil is jacketed before being transported from the dig site. [SEP]
- **Laws of Fossil Collecting:** Program leaders will teach the students about the laws around fossil collection in Alberta [SEP]

**Specific Curriculum matches are available upon request.**

**Custom Programs:** [SEP] We are also able to create a custom program for your visit. This option is great for groups that have multiple age groups, have varied times, or simply want a custom Devil's Coulee Experience.

## **ALBERTA CURRICULUM CONNECTIONS – GRADE 3 EXAMPLE**

Our tailored educational programming has been designed to align with the new Alberta grade 3 curriculum. As a part of the “**Earth Systems**” and “**Scientific Methods**” sections, we offer interactive learning opportunities for all students. Below are a few examples of how a visit to Devil's Coulee Dinosaur and Heritage Museum can fit into the classroom (From New Learn Alberta):

- ***Earth's surface contains layers that have been deposited over long periods of time.***
  - A Palaeontological Site tour gives the perfect opportunity to see and feel the layers of sedimentary rock that have been deposited in Southern Alberta.
    - We will describe the rock material, processes and allow for hands on learning.
- ***Fossilized dinosaur bones found in many locations around the world show that dinosaurs lived on Earth millions of years ago.***
- ***Millions of years ago, Earth's surface in Alberta included lush tropical forests and an inland sea that supported dinosaur life and the preservation of dinosaur bones.***
  - We have various fossil finds from Devil's Coulee, including limb bones, eggshell fragments and nesting sites
- ***Fossilized dinosaur bones can be collected from the surfaces of Earth or by digging up (excavating) its layers.***
  - Through the Bone Bed Exploration, Dig Techniques, and Fossil Jackets activities students learn the techniques used to from finding and excavating a fossil to having it transported to a museum.
- ***Fossilized dinosaur bones have been found in several locations in Alberta***
  - Devil's Coulee near Warner, AB is just one of many locations in Alberta where fossils have been found.
- ***Many dinosaurs lived in Alberta, such as:***
  - Various dinosaur finds from Devil's Coulee
    - Hadrosaurs
    - Theropods
    - Ceratopsians
    - Troodonts
    - Many more

- ***Displays of fossilized dinosaur bones can be viewed in museums in Alberta such as the***
  - Devil's Coulee Dinosaur and Heritage Museum
- ***A scientist who studies fossilized dinosaur bones is called a palaeontologist.***
  - When partaking in the Museum Tour, the story of Wendy Sloboda and the discovery of Devil's Coulee is told. Wendy, a Warner local, may even make a surprise visit to the museum during your time here.
  - Students have the opportunity to learn about women in Palaeontology and other closely related STEM career fields.

## **PROGRAM FORMAT**

- 1. Introduction the Museum**
- 2. Museum Tour**
- 3. Program Activities**
  - a. Fossil Casting**
  - b. Bone Bed Exploration**
  - c. Dig Techniques**
  - d. Fossil Jackets**
  - e. Laws of Fossil Collecting**
- 4. Paleontological Site Tour – Extended Tours available upon request**

We understand the importance of preserving our planet's rich history, and Devil's Coulee Dinosaur & Heritage Museum is committed to promoting conservation and education. By visiting us, you are contributing to these noble efforts.

Book your visit today and join us in celebrating the wonders of the past at Devil's Coulee Museum.

Thank you for your continued support, and we look forward to hosting you soon!

## **CONTACT INFORMATION**

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