

HIGH SCHOOL

Teachers, when you book your program, please let us know what course you are teaching and/or which curriculum goals you would like explored during your program so we can adjust our delivery of the program to more directly meet your needs. A general idea of which courses would be well suited to each program is given under “Curriculum Connection”, but we are always happy to adjust our programs for similar courses that are not explicitly listed here.

ASTRONOMY PLANETARIUM SHOW

Where: Kerry Wood Nature Centre or at your school

When: Year-round

Duration: 1–1.5 hours

Cost: \$110 per class for 1 hour programs, \$120 per class for 1.5 hour programs

Maximum Number of Students: 25 (1 class)

Indoor/Outdoor: Entirely inside

Curriculum Connection:

- Science
- Physics
- English Language Arts
- Social Studies

Description: Explore the night sky during daylight hours with our mobile planetarium. Learn to recognize major constellations, watch as their positions change with the seasons, and listen to a retelling of a Greek myth. If there is a particular topic you would like covered during your Astronomy Planetarium Show, please let us know at the time of booking and we will be happy to accommodate your teaching needs.

CELLULAR SURVIVOR PLANETARIUM SHOW

Where: Kerry Wood Nature Centre or at your school

When: Year-round

Duration: 1.5 hours

Cost: \$120 per class

Maximum Number of Students: 25 (1 class)

Indoor/Outdoor: Entirely inside

Curriculum Connection:

- Science Unit B Cells and Systems

Description: Step inside a biological cell with our unique, biology-themed planetarium show. After reviewing (or previewing) students' classroom knowledge of cells and organelles, we'll challenge your students in a fast-paced game of cellular survivor. Will your team's organelle adapt or atrophy?

BIOLOGICAL DIVERSITY IN CENTRAL ALBERTA WALK

Where: Kerry Wood Nature Centre or McKenzie Trails Recreation Area or Maskepetoon Park or at your school if you have a biologically diverse ecosystem nearby (such as a forest or wetland)

When: Year-round

Duration: 2 hours

Cost: \$130 per class

Maximum Number of Students: 100 (3 classes)

Indoor/Outdoor: Entirely outside, please dress for the weather and wear proper footwear

Curriculum Connection:

- Science 20 Unit D Changes in Living Systems
- Biology 20 Unit B Ecosystems and Population Change
- Science 30 Unit A Living Systems Respond to Their Environment
- Biology 30 Unit C Cell Division Genetics and Molecular Biology
- Biology 30 Unit D Population and Community Dynamics
- Physical Education

Description: Apply the biological concepts learned in the classroom to the diverse range of species living in Central Alberta. Take a guided tour of a biologically diverse ecosystem with a trained interpreter to get an authentic introduction to the plants and animals living in our own backyard.

ECOSYSTEMS IN CENTRAL ALBERTA WALK

Where: Kerry Wood Nature Centre or McKenzie Trails Recreation Area or Maskepetoon Park or at your school if you have a biologically diverse ecosystem nearby (such as a forest or wetland)

When: Year-round

Duration: 2 hours

Cost: \$120 per class

Maximum Number of Students: 70
(2 classes)

Indoor/Outdoor: Entirely outside, please dress for the weather and wear proper footwear

Curriculum Connection:

- Science 10 Unit D Energy Flow in Global Systems
- Science 14 Unit D Investigating Matter and Energy in the Environment
- Science 10-4 Unit D Investigating Matter and Energy in Environmental Systems
- Science 20 Unit D Changes in Living Systems
- Biology 20 Unit A Energy and Matter Exchange in the Biosphere
- Biology 20 Unit B Ecosystems and Population Change
- Science 30 Unit B Chemistry and the Environment
- Biology 30 Unit D Population and Community Dynamics
- Physical Education

Description: With a trained interpreter as your guide, examine some of the key ecosystems present in Central Alberta, including coniferous forest, deciduous forest, and wetland. Discuss the roles each ecosystem plays for our local wildlife, and the ecosystem services society gets as benefits.

HISTORICAL SANCTUARY WALK

Where: Kerry Wood Nature Centre

When: Year-round

Duration: 1–1.5 hours

Cost: \$99 per class for 1 hour programs, \$110 per class for 1.5 hour programs

Maximum Number of Students: 100 (3 classes)

Indoor/Outdoor: Entirely outside, please dress for the weather and wear proper footwear

Curriculum Connection:

- Social Studies
- English Language Arts
- Physical Education

Description: We'll lead your students on a themed nature walk in the Gaetz Lakes Sanctuary. Suggested themes include:

- Early settlement of Central Alberta and establishment of the Sanctuary
- Stories and adventures from author Kerry Wood

NATURE DISCOVERY WALK

Where: Kerry Wood Nature Centre or at your school

When: Year-round

Duration: 1–1.5 hours

Cost: \$99 per class for 1 hour programs, \$110 per class for 1.5 hour programs

Maximum Number of Students: 100 (3 classes)

Indoor/Outdoor: Entirely outside, please dress for the weather and wear proper footwear

Curriculum Connection:

- Science
- Biology
- Physics
- Physical Education

Description: We'll lead your students on a themed nature walk in the Gaetz Lakes Sanctuary or in a natural area near your school. Suggested themes include:

- Animal tracking
- Seasonal changes and seasonal adaptations of animals
- Camping/survival skills
- Geological time and succession
- Conservation and endangered species
- Impacts of human activity in and around the Sanctuary

THE SCOOP ON SCOPES

Where: Kerry Wood Nature Centre or at your school

When: Year-round

Duration: 1–1.5 hours

Cost: \$99 per class for 1 hour programs, \$110 per class for 1.5 hour programs

Maximum Number of Students: 35 (1 class)

Indoor/Outdoor: Inside and outside, please dress for the weather

Curriculum Connection:

- Science
- Physics

Description: Explore the contributions of telescopes to astronomy and put your students' scientific understanding of the Universe to the test. Learn how to operate an optical telescope and safely observe the Sun through a solar filter with our 12-inch telescope (weather permitting).

WHOOO... KNOWS OWLS?

Where: Kerry Wood Nature Centre or at your school

When: Year-round

Duration: 1.5 hours

Cost: \$130 per class

Maximum Number of Students: 30 (1 class)

Indoor/Outdoor: Entirely inside

Curriculum Connection:

- Science
- Biology

Description: Discover the fascinating adaptations of owls and view local species close-up with our mounted specimens. Dissect real owl pellets, and learn about their food and hunting habits.

SNOWSHOE ADVENTURE

Where: Kerry Wood Nature Centre

When: November–April, weather dependent (requires at least 2 inches of snow on the ground)

Duration: 1–1.5 hours

Cost: \$99 per class for 1 hour programs, \$110 per class for 1.5 hour programs

Maximum Number of Students: 35 (1 class)

Indoor/Outdoor: Entirely outside, please dress for the weather and wear proper footwear (boots with ankle support and no high heels)

Curriculum Connection:

- Science
- Social Studies
- Physical Education

Description: Learn the basics of snowshoeing with one of our trained interpreters. Once everyone is wearing their pair of snowshoes, we'll challenge you to a few activities that will put your snowshoe coordination to the test. Finish off with a guided snowshoe nature walk through the forest.

PLENTIFUL PLANTS

Where: Kerry Wood Nature Centre	Curriculum Connection: <ul style="list-style-type: none"> • Science 10 Unit C Cycling of Matter in Living Systems • Science 14 Unit C Investigating Matter and Energy in Living Systems • Science 10-4 Unit C Investigating Matter and Energy in Living Systems • Science 24 Unit B Understanding Common Energy Conversion Systems • Science 20-4 Unit B Understanding Common Energy Conversion Systems • Biology 20 Unit A Energy and Matter Exchange in the Biosphere • Biology 20 Unit C Photosynthesis and Cellular Respiration
When: April–October	
Duration: 2 hours	
Cost: \$120 per class	
Maximum Number of Students: 70 (2 classes)	
Indoor/Outdoor: Inside and outside, please dress for the weather	
Description: Here's your chance to learn about life as a plant. Build a plant from the roots up, explore several plant communities, and investigate photosynthesis. Hands-on activities teach plant identification, tree growth patterns, and tree and forest characteristics.	

EDIBLE PLANT WALK

Where: Kerry Wood Nature Centre or at your school	Curriculum Connection: <ul style="list-style-type: none"> • Science • Biology • Social Studies • Physical Education
When: May–October	
Duration: 1–1.5 hours	
Cost: \$99 per class for 1 hour programs, \$110 per class for 1.5 hour programs	
Maximum Number of Students: 70 (2 classes)	
Indoor/Outdoor: Entirely outside, please dress for the weather and wear proper footwear	
Description: There is a world of yummy treats right on our doorstep — if you know where to look! Your class will explore the plants that wildlife use for their daily survival, as well as a few basic species that are safe for us to eat, and how to identify them. (Note: due to mimicry and the potential for harm with misidentification, information about wild mushrooms is not included in this talk.)	

POND STUDY

Where: McKenzie Trails Recreation Area or at your school if you have a wetland nearby (e.g. Bower Ponds)

When: April–September

Duration: 2 hours

Cost: \$130 per class

Maximum Number of Students: 100 (3 classes)

Indoor/Outdoor: Entirely outside, please dress for the weather and wear sturdy footwear that can get a little muddy (no flip flops)

Curriculum Connection:

- Science 20 Unit D Changes in Living Systems
- Biology 20 Unit A Energy and Matter Exchange in the Biosphere
- Biology 20 Unit B Ecosystems and Population Change
- Science 30 Unit B Chemistry and the Environment
- Biology 30 Unit D Population and Community Dynamics
- Physical Education

Description: Discover the dynamics of life in a wetland through pond dipping and an interactive food chain game. Observe and discuss the importance of wetlands in maintaining healthy and diverse animal and plant populations, and the ecosystem services derived from them. Explore the impacts of human activity on this extraordinary ecosystem.

HISTORICAL DISCOVERY TOUR

Where: Fort Normandeau

When: May–October

Duration: 1–1.5 hours

Cost: \$99 per class for 1 hour programs, \$110 per class for 1.5 hour programs

Maximum Number of Students: 100 (3 classes)

Indoor/Outdoor: Mostly outside or in a building with no heat, please dress for the weather and wear proper footwear

Curriculum Connection:

- Social Studies

Description: Our interpreters will take your class back to the 1880s and introduce them to the key characters and settings of Red Deer's early years. Discuss and reflect on the impacts of historical globalization on the First Nations and Métis peoples that lived at the Crossing.