

GRADE 9

14 GOING ON 14 BILLION

Where: Kerry Wood Nature Centre or at your school	Curriculum Connection: <ul style="list-style-type: none"> • Science Unit E Space Exploration
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: 70 (2 classes)	
Indoor/Outdoor: Inside and outside, please dress for the weather	
Description: Examine 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). Finish with an investigation of sunspots and the solar cycle.	

ASTRONOMY PLANETARIUM SHOW

Where: Kerry Wood Nature Centre or at your school	Curriculum Connection: <ul style="list-style-type: none"> • Science Unit E Space Exploration • English Language Arts • Social Studies
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	
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. Review altitude and azimuth by applying classroom knowledge of these concepts to the stars in the planetarium.	

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 Unit A Biological Diversity
- 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.

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
- 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
- Homes and habitats of common Central Alberta animals
- Seasonal changes and seasonal adaptations of animals
- Camping/survival skills
- Weather observations
- Geological time and succession

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

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.

EDIBLE PLANT WALK

Where: Kerry Wood Nature Centre or at your school

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

Curriculum Connection:

- Science
- Social Studies
- Physical Education

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 Unit A Biological Diversity
- 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.