All Canadian Energy Museum field trips run for two hours and are $5/student (no GST). Adult volunteers are free!

The facility is fully accessible — please inform us if students require any accommodations for your field trip day.

Spaces available both indoors and outdoors for lunch.

Book two field trips for your class on the same day and receive $0.50 off per student on the second field trip.

Canadian Energy Museum
Field Trip Guide

Ready to book or have questions?

https://www.canadianenergymuseum.ca/booking-page

info@canadianenergymuseum.ca

780-987-4323

50339 Hwy 60 S, Leduc County, AB

www.canadianenergymuseum.ca/school-tour

A Day in the Life: Careers in Energy (Grades 1-12)

Explore the many different career paths that STEM offers in the energy sector! Students will hear from different presenters who have made a career in energy. They will have the opportunity to ask questions and discover how jobs in the energy sector connect with our communities. Activities in this program focus on career paths and communities built around the energy industry.

Social Studies Connections
Grade 1: My World: Home, School, Community; Moving Forward with the Past: My Family, My History and My Community
Grade 2: Canada's Dynamic Communities, A Community in the Past
Grade 4: A Sense of the Land; The Stories, Histories and People of Alberta
Grade 5: Physical Geography of Canada
Grade 10: Career and Life Choices

Keeping it Real: the Importance of Land Reclamation (Grades 1-10)

"Keeping it Real" explores how human activity causes environmental changes in various ecosystems. Students learn the concept and value of reclamation. They will develop an understanding of contouring and erosion control as well as re-vegetation. Activities allow students hands-on critical thinking about reclamation as a critical step in the energy industry.

Science Curriculum Connections
Grade 1: Needs of Animals and Plants
Grade 3: Testing Materials and Designs
Grade 4: Waste and Our World; Plant Growth and Changes
Grade 6: Trees and Forests
Grade 7: Interactions and Ecosystems; Planet Earth
Grade 8: Mix and Flow of Matter
Grade 9: Biological Diversity; Environmental Chemistry
Grade 10: Cycling of Matter in Living Systems

Jr. Chemists: Exploring Petrochemicals (Grades 2-9)

In this program, students explore the way oil is made and extracted. They will also learn the environmental effects of oil mining. Students will participate in experiments using oil and other natural substances. These activities teach the properties of oil, how it interacts with other materials, and the effect of oil on our natural environment.

Science Curriculum Connections
Grade 2: Exploring Liquids
Grade 3: Rocks and Minerals
Grade 5: Classroom Chemistry
Grade 6: Evidence and Investigation
Grade 7: Interactions and Ecosystems; Planet Earth
Grade 8: Mix and Flow of Matter
Grade 9: Matter and Chemical Change; Environmental Chemistry

Have you checked out our **free** virtual resources for teachers? Visit www.canadianenergymuseum.ca/virtual-programs to explore today!

Parts of the Whole: Engineering in Action (Grades 3-8)

From drill bits to derricks, "Parts of the Whole" breaks down the components of the energy trade. The different parts of a rig cannot work well without someone maintaining them. A derrick cannot pull oil from the ground if the drill bit is not changed often enough. Students will examine how new equipment, technology, innovations, and designs impact the energy sector.

Science Curriculum Connections
Grade 3: Building with a Variety of Materials; Testing Materials and Design
Grade 4: Wheels and Levers; Building Devices and Vehicles That Move
Grade 7: Structures and Forces
Grade 8: Mechanical Systems

Talk to the Trees: Energy Production and the Environment (Grades 4-9)

"Talk to the Trees" allows students to learn about the environment, how oil is extracted, and how this process impacts the Earth. Classes will discuss energy production past, present, and future. They will consider the benefits and drawbacks of several types of energy and how they impact the environment. Students will brainstorm environmentally-sustainable practices that still allow for energy production.

Science Curriculum Connections
Grade 4: Waste and Our World; Plant Growth and Changes
Grade 6: Trees and Forests
Grade 7: Interactions and Ecosystems; Heat and Temperature; Planet Earth
Grade 9: Biological Diversity; Environmental Chemistry

Rocks of Ages (Grades 2-9)

Where would we be without rock? Luckily we never have to find out! In "Rocks of the Ages", students examine the Earth's core, mantle, and crust systems. They will discover how the very ground we stand on impacts our ability to live, grow, and create energy. Science experiments investigate the properties of rocks and how different rocks are used for different purposes.

Science Curriculum Connections
Grade 3: Rocks and Minerals
Grade 7: Interactions and Ecosystems; Heat and Temperature; Planet Earth
Grade 8: Mix and Flow of Matter

Want to come on a field trip, but bussing costs are getting in the way? Ask about our bussing grant from Pembina Pipelines! Email info@canadianenergymuseum.ca for more details. Our thanks to Pembina Pipelines for supporting our school field trips.

PEMBINA