

fossils 'n' forces

This program introduces students to the natural forces that shape our land and the different rocks and minerals that make up our planet. Through discussion and hands-on science experiments, students will discover more about weathering, rocks, minerals and fossils.

CURRICULUM CONNECTION — Planet Earth

► Program Outline | 90 minutes

Greeting and Introduction

Welcome and organization

Program Activities

- **Rock groups**
Identify sedimentary, Igneous, and metamorphic rocks.
- **Minerals**
Examine and test minerals for hardness, lustre, transparency, and more.
- **Weathering**
Observe the effect of chemical and mechanical weathering on rocks.
- **Rock clock**
Build a geological profile of northern Alberta; identifying rocks and time zones.
- **Geology hunt**
Visit the "Resource" Section of the exhibit gallery to discover the geology of oil sands.
- **Stone stories**
Examine fossils and discover how they are formed and stories they can tell us about the past.

Conclusion and Departure

Summarize, questions and prepare to depart

