

GRADE 5 SCIENCE

**QUICK-START GUIDE
ALBERTA CURRICULUM**



Lessons and activities at a glance, aligned to the Alberta Grade 5 Science curriculum: videos, labs, and data activities on Alberta's energy resources. Built to make energy hands-on for your students while saving you planning time.

FREE + EDITABLE

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Organizing Idea Energy: Understandings of the physical world are deepened by investigating matter and energy.

Learning Outcome: Students investigate and analyze various energy resources.

LESSON	ACTIVITY
The Energy Mix Video	Understand the many ways we use energy to generate electricity, power transportation, and produce heat. Explore the different energy sources and their impacts.
Science of Nuclear Science of Coal Introduction to Oil	Engage students with the starter pack (bell ringer, short videos, quiz) to introduce non-renewable energy resources.
Introduction to Natural Gas Introduction to Hydropower Introduction to Wind Introduction to Bioenergy Modern Oil Drilling and Unconventional Sources Video	Explore the energy resources used in Alberta with these short video lessons. Each describes how the energy is obtained as well as some pros and cons of each.
Introduction to Energy	Begin with the hands-on activity to set the stage, then have students anchor their assumptions in the data, using the data set.
Developing Media Literacy	Introduce students to the fundamentals of media literacy through the lens of researching energy topics.



See the full guide at switchclassroom.org