

SCIENCE 10

**QUICK-START GUIDE
BRITISH COLUMBIA CURRICULUM**



Lessons and activities at a glance, aligned to the BC Science 10 curriculum: simulations, videos, computations, and a class debate. Built to connect energy transformations to the real world for your students while saving you planning time.

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Science Big Ideas: Energy is conserved, and its transformation can affect living things and the environment.

Science Content:

- Local and global impacts of energy transformations from technologies
- Pollution, habitat destruction, carbon dioxide output

LESSON	ACTIVITY
Introduction to Coal	Assign student groups to complete the data set and the Power Generation Simulation.
Fracking - Risks and Benefits	Watch the video and discuss the environmental trade-offs of hydraulic fracturing.
Science of Nuclear	Practice nuclear energy calculations or conduct the Nuclear Energy Town Hall Debate.
Science of Oil	Practice unit conversions with the Computations.
Developing Media Literacy	Introduce media literacy fundamentals through researching energy topics.