

SCIENCE 9

QUICK-START GUIDE BRITISH COLUMBIA CURRICULUM



Lessons and activities at a glance, aligned to the BC Science 9 curriculum: videos, hands-on modeling, and problem sets. Built to connect circuits and energy to everyday life for your students while saving you planning time.

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Science Big Ideas:

- Electric current is the flow of electric charge.
- The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.

Science Content:

- Circuits
- Voltage, currents, and resistance
- Matter cycles within ecosystems
- Sustainability of systems
- Effects of solar radiation on the cycling of matter & energy

LESSON	ACTIVITY
Introduction to Electricity	Watch the video, answer the multiple choice questions, and do the Electricity Math Problem using unit conversions.
Introduction to Energy Storage	Assign the video, exit ticket, and the Modeling a Battery-Powered Circuit activity.
Science of Electricity Video	Assign the video and discuss the process of electricity generation.
What Powers the World	Watch the video as a class and have students complete a think-pair-share on ways they use electricity every day.
Understanding Energy Transformations	Assign the student reading and challenge questions, then review the slide deck.
Developing Media Literacy	Introduce media literacy fundamentals through researching energy topics.



See the full guide at switchclassroom.org