

EARTH AND ENVIRONMENTAL SCIENCE

QUICK-START GUIDE



Earth and environmental science lessons and activities at a glance: labs, data sets, and videos covering energy sources, impacts, and resource management. Built to fit your energy unit while saving you planning time.

FREE + EDITABLE

switchclassroom.org



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LESSON	ACTIVITY
Saving Energy, Saving Water	Students analyze their personal water use in this engaging activity.
Science of Solar	Practice experimental design with this hands-on solar lab.
Introduction to Energy Choices	Use the hands-on activity to explore factors that influence our energy decisions.
Introduction to Environmental Impacts	Play the fast-paced Energy Impact Dice to explore various impacts on the environment from energy use.
Switch On Episode 1: Modern Cooking Fuels – Video	Get a personal look at how energy options affect human health.
Introduction to Geothermal	Students explore heat transfer in the lab activity, simulating geothermal processes.
Introduction to Coal	Have students watch the video from the lesson to explore how this natural resource is formed. Practice data analysis with the Data Set.
Introduction to Natural Gas	Have students watch the video from the lesson to explore how this natural resource is formed. Practice data analysis with the Data Set.
Introduction to Oil	Have students watch the video from the lesson to explore how this natural resource is formed. Practice data analysis with the Data Set.
Developing Media Literacy	Introduce students to the fundamentals of media literacy through the lens of researching energy topics.



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