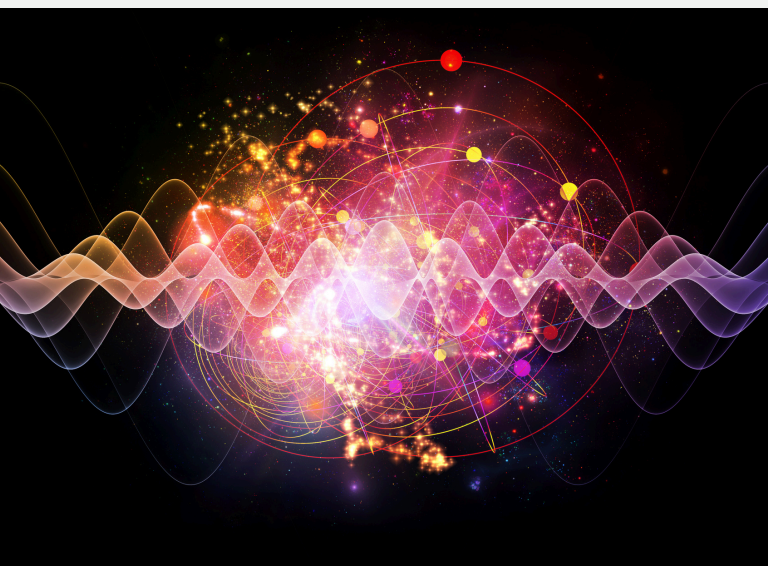


ENERGY FUNDAMENTALS

QUICK-START GUIDE



A full energy unit at a glance: videos, quizzes, data sets, hands-on labs, and a national energy debate. Built to cover the basics of energy while saving you planning time.

FREE + EDITABLE

switchclassroom.org



ENERGY FUNDAMENTALS

LESSON	ACTIVITY
Introduction to Energy	Assign the video, quiz, and exit ticket. For younger students, assign the hands-on activity.
Introduction to Electricity	Assign the video, quiz, and Play-Doh Electric Circuits Lab.
Introduction to Environmental Impacts	Assign the data set and accompanying reflection questions. For younger students, assign the Energy Impact Dice Game.
Introduction to Energy Choices	Assign the Power Card Priorities activity.
Introduction to Coal	Assign student groups to complete the data set and the Power Generation Simulation.
Introduction to Oil	Assign student partners to complete the bell ringer, data set, and the Transportation Trade-Offs Hands-On activity.
Introduction to Geothermal	Assign the video and quiz. Assign student groups to complete the Geothermal Heat Transfer Lab.
Introduction to Hydropower	Assign student groups to complete the bell ringer and the Build a Waterwheel Activity.
Introduction to Natural Gas	Assign the video, quiz, and data set.
Introduction to Solar	Assign the student reading and the Passive vs. Active Solar Investigation.
Introduction to Wind	Assign the video and the Build a Windmill lab.
Introduction to Nuclear	Assign the video and quiz. Demonstrate Nuclear Reaction in a Box.
Developing Media Literacy	Introduce students to the fundamentals of media literacy through the lens of researching energy topics.



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