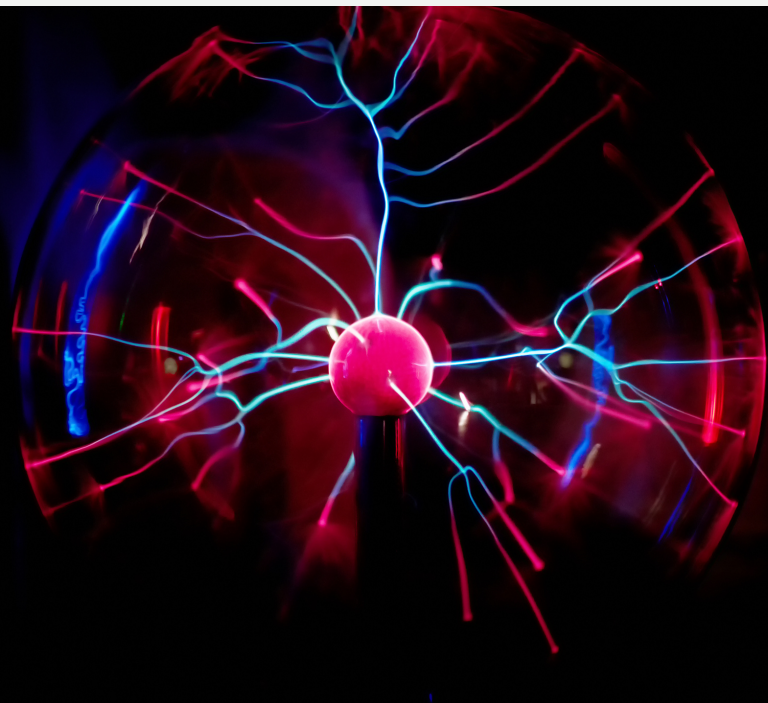


PHYSICS

QUICK-START GUIDE



Physics lessons and activities at a glance: energy and power calculations, hands-on labs, and data sets. Built to ground the concepts in real numbers for your students while saving you planning time.

FREE + EDITABLE

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PHYSICS

LESSON	ACTIVITY
Measurements and Conversions	Hands-on stations introduce measurement tools and unit conversions, using a reference table that students can keep all year.
Energy Units Math Challenge	Practice real-world energy and power calculations across joules, watts, and megawatts, building fluency with kinetic energy, potential energy, and power.
What Powers the World Video	Watch the video on global electricity consumption as a class and discuss electricity's role in modern life.
Introduction to Energy	Have students watch the video and complete the data set to explore sources of electricity globally.
Introduction to Electricity	Have students build and test series and parallel circuits using Play-Doh in the hands-on activity.
Introduction to Energy Storage	Begin with a bell ringer, review vocab, and complete the data set to introduce energy storage.
Introduction to Efficiency Video	Explore why efficiency is the first step in managing personal energy use.
Science of Energy Storage	Explore batteries and other methods that could solve the energy storage problem. Students read the info sheet and answer questions in small groups.
Developing Media Literacy	Introduce media literacy fundamentals through researching energy topics.