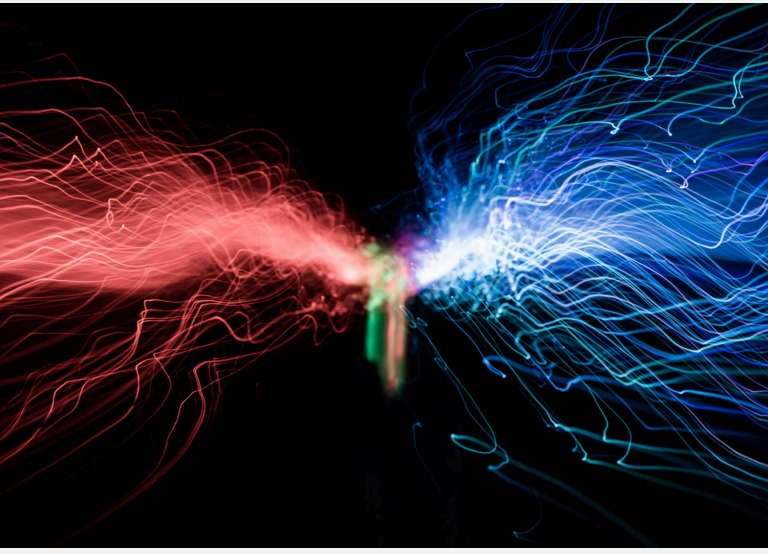
# GRADE 11 PHYSICS

**QUICK-START GUIDE**
**ONTARIO CURRICULUM · SPH3U**



Lessons and activities at a glance, aligned to the Ontario Grade 11 Physics (University) curriculum. Built to connect energy transformations to real systems for your students while saving you planning time.

**FREE + EDITABLE**

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| INDICATOR | LESSON | ACTIVITY |
|---|---|---|
| D1.1 | Introduction to Geothermal<br><br>Science of Geothermal | Understand the technology used in capturing geothermal energy. |
| D2.1<br>D3.1 | Understanding Energy Transformations | Answer the Energy Transformations Challenge Questions using appropriate vocabulary. |
| D2.4 | Introduction to Hydropower<br><br>Science of Hydropower | Build a waterwheel in the hands-on activity and identify the energy transformations at play. |
| D3.4 | Thermal Transfer Investigative Lab | Evaluate how insulation affects thermal energy loss and energy efficiency. |
| D3.6<br>D3.12 | Science of Nuclear | Complete the Science of Nuclear reading for a deeper look at how nuclear energy is produced. |
| F1.2 | Science of Coal, Geothermal, Hydropower, Natural Gas, Nuclear, Oil, Solar, Wind | Have students select one source of electricity production to research. |
| | Developing Media Literacy | Introduce students to the fundamentals of media literacy through the lens of researching energy topics. |