

Ontario Alternative Energies Curriculum Connections

Grade 5 Science & Technology

Understanding Earth and Space Systems Unit

1.1 analyze the long-term impacts on society and the environment of human uses of energy and natural resources, and suggest ways to reduce these impacts

Grade 6 Science & Technology

Understanding Matter and Energy Unit

1.1 assess the short- and long-term environmental effects of the different ways in which electricity is generated in Canada (e.g., hydro, thermal, nuclear, wind, solar), including the effect of each method on natural resources and living things in the environment

1.2 assess opportunities for reducing electricity consumption at home or at school that could affect the use of non-renewable resources in a positive way or reduce the impact of electricity generation on the environment

2.4 design, build, and test a device that produces electricity

2.6 use appropriate science and technology vocabulary, including current, battery, circuit, transform, static, electrostatic, and energy, in oral and written communication

2.7 use a variety of forms (e.g., oral, written, graphic, multimedia) to communicate with different audiences and for a variety of purposes

3.4 describe how various forms of energy can be transformed into electrical energy

Gr. 7 Science & Technology

Understanding Earth and Space Systems Unit

1.2 assess the environmental and economic impacts of using conventional (e.g., fossil fuel, nuclear) and alternative forms of energy (e.g., geothermal, solar, wind, wave, biofuel)