

# Program: Re-Energy

## Grade 4 – British Columbia Science Curriculum Connections



| Activity Name                                                                                         | Organizing Idea                                                                 | Learning Outcome           |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------|
| <a href="#">Activity: Renewable Energy Sources</a>                                                    | Grade 7-12                                                                      |                            |
| <a href="#">Activity: What is Renewable Energy?</a>                                                   | Grade 7-12                                                                      |                            |
| <a href="#">Activity: Build a Solar Car</a>                                                           | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| <a href="#">Activity: Build a Solar Oven</a>                                                          | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| <a href="#">Activity: Construire un Four Solaire</a>                                                  | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| <a href="#">Activity: Introduction to Solar Electricity</a>                                           | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| <a href="#">Activity: Introduction to Solar Heat Energy</a>                                           | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| <a href="#">Activity: Solar Energy Transition with Six Nations of the Grand River</a>                 | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| <a href="#">Activity: Electrifying the Future of Transportation Guide</a>                             | Grade 9-12                                                                      |                            |
| <a href="#">Activity: Build an Electric Vehicle Model</a>                                             | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| <a href="#">Activity: Exploring Electric Vehicle Charging Stations</a>                                | Grade 7-12                                                                      |                            |
| <a href="#">Activity: History of the Electric Vehicle</a>                                             | Grade 7-12                                                                      |                            |
| <a href="#">Activity: How is Your Community Adapting for Electric Vehicles?</a>                       | Grade 7-12                                                                      |                            |
| <a href="#">Activity: Planning a Trip in your Electric Vehicle</a>                                    | Grade 7-12                                                                      |                            |
| <a href="#">Activity: Electric Vehicles and Charging Stations with Six Nations of the Grand River</a> | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |

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| Activity: What EV Should You Buy?                    | Grade 7-12                                                                      |                            |
| Activity: Build a Wind Turbine                       | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| Activity: Introduction to Wind Energy                | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| Activity: Wind Turbine Simulator                     | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| Activity: Build a Hydroelectric Generator            | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| Activity: Introduction to Hydro Energy               | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| Activity: Pumped Hydro Storage                       | Grade 7-12                                                                      |                            |
| Activity: Build a Biogas Generator                   | Grade 7-12                                                                      |                            |
| Activity: Introduction to Biomass Energy             | Grade 7-12                                                                      |                            |
| Activity: Build a Flywheel Model                     | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| Activity: Build a Penny Battery                      | Energy Conservation, Energy Transformation, Effects of Temperature on Particles | Energy can be transformed. |
| Activity: Endothermic and Exothermic Reactions       | Grade 7-12                                                                      |                            |
| Activity: Energy Storage Match                       | Grade 7-12                                                                      |                            |
| Activity: Exploring Energy Storage in Your Community | Grade 7-12                                                                      |                            |
| Activity: Exploring How to Make a Battery            | Grade 7-12                                                                      |                            |
| Activity: Heat Transfer Lab                          | Grade 7-12                                                                      |                            |
| Activity: The Electrostatic Effect                   | Grade 7-12                                                                      |                            |