

## Electricity Project

In this task you will be creating a device that transforms one of the various types of energy into electricity. The purpose of this project is to construct a device or model that functions in such a way that is not harmful to the environment. Our current ways of creating electricity include a heavy reliance on burning fossil fuels and using toxic chemicals that are not good for the environment.



There are various ways that electricity can be created: solar, geothermal, oil, coal, biomass, tidal/wave, wind, water, nuclear, natural gas, and hydrogen. Which of these types of energy are the least harmful to the environment? This is a question you will have to ask yourself before you create a device that is eco-friendly and can create electrical energy that can be used in homes, offices, factories, etc...

Here are the guidelines for this assignment:

1. Make a design of your device. Colour it and label it by writing down the materials and the measurements of the parts that you are going to use. You can upload a photo of your drawing into a Google Document if you are able to.
2. Write a short explanation about your device/model in Google Docs. Discuss how it is eco-friendly. How is this way of creating electricity beneficial to our environment? Explain.
3. Remember to share your Google Document with [alexander.macdonell@ocsb.ca](mailto:alexander.macdonell@ocsb.ca)