**Year 8 Energy Project**

**Objective**

To demonstrate the understanding of energy transfer and energy efficiency

**Task**

You will be creating a **Power point** with approximately **10 to 15 slides.** You will be researching and comparing 2 energy sources, one has to be a renewable source and the other a non renewable source. Your work need to answer the questions below and fulfil the requirements of the project.

**Discussion Questions**

1. What is the source of your renewable energy?
2. What infrastructure is needed to convert the renewable energy into electrical energy?
3. What is the cost of building such infrastructure?
4. Pick a non renewable energy source, using a table compare
   1. Energy efficiency
   2. Show **all energy transfers and transformation** in the conversion from source to useful energy form
   3. Environmental effect

**Requirements**

1. Must include **pictures, graphs and diagrams.**
2. You need to explain what energy was **present**, **when** the energy **transfer happened** and the **form of energy** it transformed into.