

## **YR9 DT – Sustainability/Carbon footprint – Mrs Smith**

Research two different sources of energy from the list below. Using where possible the similarities, differences and key words and produce an overview with images about them both. This will cover all your KO Homework sessions whilst in Mrs Smith's DT rotation.

**Sources of Energy** - Solar energy, Wind energy, Geothermal energy, Hydrogen energy, Wave energy, Hydroelectric energy, Biomass energy and Hydro energy.

**K O : Plenty of Research**

- : Open Powerpoint and title 'Sustainability –Sources of energy'.
- : Research, watch/insert video clips and add images and make notes on two different sources of energy.
- : Try to then compare the two different types of energy using the help sheets/keywords below.

### **Similarities**

Identical  
Same as  
Replicated  
related  
Comparable  
Likewise  
Parallel  
Duplicated  
Correlating  
Overlap

### **Differences**

Contrasting  
Comparison  
Alternative  
Distinct  
Unlike  
Dissimilar  
Diverse  
However  
Converse

### **Supporting your claims**

For example...  
This is highlighted by...  
For instance...  
This implies...  
Suggests...  
Indicates...  
Demonstrated by...  
Shown by...  
**Illustrated by...**

### **Checklist**

Do all sentences start with a capital letter and end with a full stop?  
  
Do all names have Capital letters?  
  
Have you included any key words and are they spelled correctly?  
  
Have you included some complex words?

### **Key words**

Finite resource  
  
Infinite resource  
  
Fossil fuel (coal, gas, oil)  
  
Renewable energy/resource  
  
Non—renewable energy/resource  
  
Carbon footprint  
  
Deforestation  
  
Biodegrade  
  
Built-in obsolescence