

Unit title	Renewable energy Resources
Topic	Identification of factors which are related to different types of renewable energy.
Name and email address of person submitting unit	Not Available
Aims of Unit	Pupils are encouraged to consider aspects of different renewable energy sources.
Indicative content	Solar, wind, geothermal, hydroelectricity and Biomass.
Resources needed	The pupils will need access to the work sheet either as a hard copy or in electronic form.
Teachers notes	<p>This activity is an ideal starter, plenary or homework activity which is suitable for 11+ year olds. It should take approx. 10 minutes.</p> <p>Learning outcomes for this activity</p> <p>All pupils should be able to identify key features of renewable energy sources by matching statements with types given in a list.</p>

Date:	Topic: Renewable energy Resources	Time: 10 minutes	Class: 11+
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SEN pupils

Gifted and Talented

Class Room Support

Equipment needed for this activity:  
Pupils will need access to the work sheet in either in electronic or hard copy version.

Health and Safety:  
None

Learning outcomes for this activity  
All pupils should be able to identify key features of renewable energy sources by matching statements with types given in a list.

Most

Some

Starter Activity

Pupils are asked to consider 10 statements and are then asked to match these with the type of Renewable energy which they match with.

Main Activity

Plenary Activity

Reflections on the lesson

## Renewable Energy Resources

Read each statement about renewable energy resources and decide which resource or resources it is referring to. Your answer might mention one or more resources. For each answer, explain why you have chosen those resources and write a paragraph about the processes that go on when they are used to produce energy for use in homes and other places.

The resources you can chose are shown in the box below:

<b>Solar</b>	<b>Wind</b>	<b>Geothermal</b>	<b>Hydroelectricity</b>	<b>Biomass</b>
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1. These resources involve the use of turbines and generators to produce electricity.
2. The Sun is responsible for this resource making electricity.
3. This resource uses energy from hot rocks in the Earth.
4. These resources convert movement energy to electrical energy.
5. This resource uses energy stored in vegetation, sewage and crops.
6. These resources take up a large amount of land.
7. These resources can be very expensive to set up.
8. This resource is reliable because it can be used nearly all of the time.
9. These resources are found in high places with hills and mountains.
10. These resources would not be useful in the desert or in flat, dry areas.