

6. Wind and Renewable Energy Websites

Below are a number of websites that you may find useful for background information. Please note that these links are provided for you as teachers rather than for pupils. In many sites like Encyclopaedia Britannica or Wikipedia there is a search box in which you can insert *wind power*, *renewable energy*, *turbine* or any other relevant term for brief information. All listed websites and subsites were available in **November 2020** but some may have changed their internal structure since then. Note that several of these sites contain advertising.

Andrew Rader Studios www.physics4kids.com

Enter *wind energy* in the search box.

Andy Darvill www.darvill.clara.net/altenerg

Follow *Wind Power* for a useful introduction to wind energy, written for GCSE students.

Ask Media Group www.findinfoonline.com

Enter *wind energy* in the search box. Follow as appropriate on the *related search* list.

Association for Science Education www.schoolscience.co.uk

Enter *wind energy* in the search box for links to a range of wind energy resources.

BBC <https://www.bbc.co.uk/bitesize/articles/zsb3vwx>

A useful starting point in explaining the distinction between renewable and non-renewable energy. Also how to get electricity from the sea.

Search The Regenerators for ways to inspire children to live a greener life and encourage others to look after the planet.

CCEA (Council for the Curriculum, Examinations and Assessment)

<https://ccea.org.uk/downloads/docs/ccea-asset/Resource/Wind.pdf>

See Section 3 of this booklet (Energy and Power) for a useful resource on Wind Energy.

<https://ccea.org.uk> Enter *wind energy* in the search box. The AS level *Energy from the Wind* series is a useful technical introduction, but may require a GCSE physics background.

Encyclopaedia Britannica www.britannica.com

Enter *wind energy* or *renewable energy* in the search box.

The Institution for Engineering and Technology <https://education.theiet.org/>

Enter *wind energy* in the search box for general information on wind energy.

National Geographic

www.nationalgeographic.com/environment/energy/reference/renewable-energy/

A summary of types of renewable energy, with useful links.

Our Future Energy <https://ourfuture.energy>

Follow *Day in the Life*. This series is useful for careers information. Scroll to *Blown Away* which interviews a project manager building onshore wind farms around the UK.

Practical Action <https://practicalaction.org/schools>

Follow *Wind Power Challenge*. Challenges, Powerpoints, Certificates and Posters to download. This also provides a lead into *Crest Awards*.

Science and Technology Facilities Council www.ukri.org/councils/stfc or <https://stfc.ukri.org>

(Note that this site is currently in development)

News items on wind energy. Enter *wind energy* in the search box, and sort by date.

Sentinus www.sentinus.org.uk for information on school science programmes in Northern Ireland

TES www.tes.com

There is a charge for some of these resources. You may need to register to use this website.

Follow *Resources* then *Elementary / Primary* in the panel at the foot of the screen. Enter *wind energy* in the search box.

Wikipedia www.wikipedia.org Enter *wind energy* or *renewable energy* in the search box.

Youtube www.youtube.com

Enter *wind energy* or *renewable energy* in the search box. Then choose as appropriate item from the dropdown menu.