

The Sustainable Development Goals

Goal 7: Affordable and Clean Energy

7 AFFORDABLE AND
CLEAN ENERGY



- Make sure everyone has access to affordable, reliable and modern energy services.
- Increase the amount of renewable energy used around the world.
- Make sure all countries work together to improve energy use around the world.
- Upgrade technology so it is easy for everyone to access energy.

Possible Learning Activities

- Identify different non renewable energy sources doing practical activities to gain an understanding of how energy is transferred.
- Keep an energy diary at home for a week noting down everything that uses energy. Evaluate results with class to identify actions and behaviour changes necessary to reduce energy waste within the home/school.
- Explore the benefits of renewable energy and the impact on everyday life in a country with limited access to electricity.
- Join the Pod- great interactive resources for teachers and pupils.
- Watch advantages/disadvantages of renewable energy clips and express informed opinion on the issues surrounding energy. Present and justify opinion to class.
- Analyse a current topical science story relating to energy and present information to peers using multimedia tools.

Curricular Links

Sciences

- By considering examples where energy is conserved, I can identify the energy source, how it is transferred and ways of reducing wasted energy. **SCN 2-04a**
- By investigating renewable energy resources and taking part in practical activities to harness them I can discuss their benefits and potential problems. **SCN 3-04 b**
- Through exploring non-renewable energy sources, I can describe how they are used in Scotland today and express an informed view on the implications for their future use. **SCN 2-04b**
- Through research and discussion, I have contributed to evaluations of media items with regard to scientific content and ethical implications. **SCN 3-20b**

Technologies

- Having analysed how lifestyle can impact on the environment and Earth's resources, I can make suggestions about how to live in a more sustainable way. **TCH 2-02a**
- From my studies of sustainable development, I can reflect on the implications and ethical issues arising from technological developments for individuals and societies. **TCH 3-02a**
- I can investigate the use and development of renewable and sustainable energy to gain an awareness of their growing importance in Scotland and beyond. **TCH 2-02b**

Resources

[United Nations - Goal 7: Affordable and Clean Energy](#)

[World's Largest Lesson - Goal 7 Teaching Resources](#)

[Keep Scotland Beautiful - Scotland Lights Up Malawi](#)

[Keep Scotland Beautiful - Climate Challenge Fund Case Studies on Energy Efficiency](#)

[Keep Scotland Beautiful - E3 Energy Enterprise & Environment Professional Learning](#)

[EDF Energy - The Pod](#)

[SolarAid](#)

[TES - Renewable Energy Resources](#)

[Powerwise](#)



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