

7 AFFORDABLE AND CLEAN ENERGY



SDG 7 SELECTED RESOURCES



Early Childhood Care and Education

Pedagogical Resources

Title	Organization	Link	Description
Power to Be	CAFOD	https://cafod.org.uk/Campaign/Climate/Energy-campaign	This campaign with associated resources explores the power of renewable energy and its potential to transform communities and lift people out of poverty.

Ideas for Classroom Activities

Title	Organization	Link	Description
Play Safe & Warning Signs	Western Power	https://westernpower.com.au/community/our-education-program/teacher-resources/pre-primary/	Draw four safe places you can play with Lochie the Linesman.
Power to Be	CAFOD	https://cafod.org.uk/Campaign/Power-to-be/Energy-campaign	Petition asking the World Bank to support renewable energy, which tackles poverty.

Multimedia Educational Resources

Title	Organization	Link	Description
Aire Limpio	Sonia Pérez Huertos	http://www.unescoetxea.org/base/berriak.php?id_atala=1&id_azpiat_ala=1&hizk=en&zer=orokorrean&nor=1510 http://www.unescoetxea.org/irudiak/ODS7_AireLimpio_SoniaPerezHuertos.jpg	Illustration showcasing the need for affordable, clean energy in order to benefit from clean air.
Come Celebrate SDG 7 Renewable Energy With Sammy Sun & Eco Boys and Girls	SDSN Youth	https://ecoboysandgirlsunsdgs.com/2015/09/15/7/	Poster



Primary Education

Pedagogical Resources

Title	Organization	Link	Description
Renewable Energy: How can we keep the lights on?	British Council	https://schoolsonline.britishcouncil.org/classroom-resources/list/renewable-energy-how-can-we-keep-lights	This resource series focuses on the topic of renewable energy and is filled with activity ideas to help students discuss and explore the subject in more depth.

Ideas for Classroom Activities

Title	Organization	Link	Description
An Energy Project for The Global Goals	World's Largest Lesson	http://cdn.worldslargestlesson.globalgoals.org/2016/06/15-An-Energy-Project-for-the-Global-Goals.pdf	This resource aims to: <ul style="list-style-type: none"> Analyse and reduce energy and paper use in your school, and maybe compare to others around the world that you are connected to; Present and interpret data in tables and charts and in report writing.

Cool Pots	Practical Action	https://practicalaction.org/upd8-cool-pots	Pupils learn about Grace who lives in a village in Sudan with no electricity to keep fruit and vegetables cool. They investigate building a container to stop heat transfer and look at solutions from Grace's family.
Dos And Don'ts with Electricity	Western Power	https://westernpower.com.au/community/our-education-program/shockproof/	A free curriculum linked website for upper primary school, where Lochie the Liney will lead you through fun lessons and activities teaching you how to be a Shockproof Liney like him.
Energy and The Global Goals for Sustainable Development	World's Largest Lesson; Practical Action	http://cdn.worldslargestlesson.globalgoals.org/2016/06/16-Energy-and-the-Global-Goals-for-Sustainable-Development.pdf	This resource aims to: <ul style="list-style-type: none"> • Understand that energy is vital for everyone's quality of life; • Know the Global Goals were set by UN countries to alleviate world poverty; • Understand the link between energy and poverty reduction.
Power for The World	Practical Action; EU	https://practicalaction.org/power-for-the-world-1	Through an interactive starter activity, pupils discover how energy access via the National Grid differs between their own country and Kenya. They have the opportunity to design and build their own wind turbine.

Multimedia Educational Resources

Title	Organization	Link	Description
A To Do List For The Planet - Goal 7 (Affordable and Clean Energy)	World's Largest Lesson	http://4dj7dt2ychlw3310xlowzop2.wpengine.netdna-cdn.com/wp-content/uploads/2016/09/de_heer_full_set-page-008.jpg	This comic poster presents the meaning of affordable and clean energy.
Affordable, Clean Energy for All	British Council	https://schoolsonline.britishcouncil.org/classroom-resources/list/affordable-clean-energy-all	This resource will support you in developing students' core skills through the study of solar electricity and explore SDG 7 to ensure affordable, reliable, sustainable energy for all by 2030.
Circuit Breakers	Western Power	https://westernpower.com.au/community/our-education-program/circuit-breakers/	This STEM program for primary schools helps develop knowledge and skills with a focus on electrical engineering using 3D printers.
Learning About Energy	HEC Global Learning Centre	http://www.globallearninglondon.org/files/zones/home/teach/Energy%20A4%20Aug14.pdf	This resource explains the meaning of affordable and clean energy, who will climate change affect, how we are suffering to fuel our power stations, analyses whether we have reached Peak Oil, and how energy relates to poverty.
Renewable Energy Explained In 2,5 Minutes	The Solutions Project	http://www.behindenergy.com/renewable-energy-explained-in-2-5-minutes/?lang=en	This animation explains the different types of energy such as, fossil fuels, biomass, nuclear and renewables.

Renewable Energy – How Do We Keep the Lights On?	British Council	https://schoolsonline.britishcouncil.org/classroom-resources/list/renewable-energy-how-can-we-keep-lights	Video focusing on the topic of renewable energy is filled with activity ideas to help students discuss and explore the subject in more depth.
School Plan for Energy – An Example	Australian Sustainable Schools Initiative WA (AuSSI-WA)	http://www.det.wa.edu.au/curriculumsupport/sustainableschools/detcms/navigation/action-learning-areas/energy/?oid=MultiPartArticle-id-1862591	Ideas to minimise the negative impacts of energy use, specifically as this relates to climate change around the school community.
Sustainable Energy For All	The Global Goals	http://worldslargestlessonindia.globalgoals.org/global-goals/modern-energy/	Advocacy poster.
The Energy Challenge	Department for Business, Energy & Industrial Strategy – UK	https://www.youtube.com/watch?v=deT0_ERH7ls	This short animation sets out the challenges and opportunities we face in cutting greenhouse gas emissions while meeting demand and supporting economic growth.



Secondary Education

Pedagogical Resources

Title	Organization	Link	Description
Affordable and Clean Energy: Why It Matters	The Global Goals	https://www.un.org/sustainabledevelopment/wp-content/uploads/2016/08/7_Why-it-Matters_Goal-7_CleanEnergy_2p.pdf	Technical Note presenting SDG 7, why should we care about this goal, how many people live without electricity, what would it cost to switch to more sustainable energy?
Electricity And Education - The Benefits, Barriers, & Recommendations For Achieving Electrification Of Primary and Secondary Schools	UNDESA	https://sustainabledevelopment.un.org/index.php?page=view&type=400&nr=1608&menu=35	This report assesses the direct link between electricity and education using the most recently available survey data from the World Bank and UNESCO, the report describes the current state of electrification of schools.

Energy from The Wind	Energy from The Wind	https://the-need-project.myshopify.com/collections/secondaryguides/products/energy-infobook-activities	Hands-on, critical thinking and language arts activities that help intermediate students to develop a comprehensive understanding of wind formation, wind energy, and electricity generation from wind.
Wood as a renewable and energy efficient resource	Forest Learning	http://forestlearning.edu.au/find-a-resource/article/27/wood-as-a-renewable-and-energy-efficient-resource.html	In this renewable resources lesson and video, students learn about renewable and non-renewable resources and the energy and processes used to produce everyday materials and products and their impact on the environment.

Ideas for Classroom Activities

Title	Organization	Link	Description
Affordable and Clean Energy	Practical Action	https://practicalaction.org/global-project-ideas	This teacher and pupil resource encourages classroom activities around affordable and clean energy.
Energy and The Global Goals for Sustainable Development	World's Largest Lesson; Practical Action	http://cdn.worldslargestlesson.globalgoals.org/2016/06/16-Energy-and-the-Global-Goals-for-Sustainable-Development.pdf	This resource aims to: <ul style="list-style-type: none"> • Understand that energy is vital for everyone's quality of life; • Know the Global Goals were set by UN countries to alleviate world poverty; • Understand the link between energy and poverty reduction.
Moja Island	Practical Action	https://practicalaction.org/moja-island-1	Moja island is a 1–2 hour activity which will help students' understanding of renewable energy sources.
The Impact of Pollution On Our Planet and Us Lives	World's Largest Lesson	http://cdn.worldslargestlesson.globalgoals.org/2016/06/18-The-Impact-of-Pollution-on-Our-Planet-and-Our-Lives.pdf	This resource aims to: <ul style="list-style-type: none"> • Know some of the different forms of environmental pollution; • Explore ways to reduce environmental pollution; • Develop use of descriptive and comparison words and build research skills.
Understanding Renewable Energy	World's Largest Lesson; UNEP	http://cdn.worldslargestlesson.globalgoals.org/2017/02/Renewable-energy-lessonplan-pdf.pdf	This resource aims to: <ul style="list-style-type: none"> • Understand the framework of the Global Goals for Sustainable Development; • Understand what renewable energy is and how it compares to non-renewable energy; • Explore the advantages of renewable energy.

Multimedia Educational Resources

Title	Organization	Link	Description
1.4 Billion People Have No Access to Modern Energy Services - Panic	The Global Goals	http://worldslargestlesson.globalgoals.org/global-goals/modern-energy/	Advocacy poster.
How Can Consumers Be Motivated to Adopt Energy Efficient Technologies?	Klimalog	https://www.connect4climate.org/infographics/how-can-consumers-be-motivated-adopt-energy-efficient-technologies-klimalog-bmz	Infographic showing the results of a study on the adoption of compact fluorescent lamps (CFL) light bulbs conducted in the informal settlement of Kibera in Nairobi/Kenya in 2014.
India: The Power of Pine Needles	UN Stories	http://webtv.un.org/en/ga/watch/india-the-power-of-pine-needles/4093198609001/?term=?lanchinese&sort=popular	Millions of people around the world with no access to electricity are destined to a life of poverty. But one couple in India has found an innovative solution right under their feet.
Powering The Future We Want	UNDESA	http://webtv.un.org/watch/2016-poweringthe-future-we-want-energy-for-sustainable-transport/4949220278001	Video on scientific and technological innovations and fostering leadership initiatives and innovative actions that improve energy for sustainable transport, while addressing economic, social and environmental sustainability.
The Philippines: Bottleman	UN Stories	http://webtv.un.org/en/ga/watch/the-philippines-bottleman/3496147886001/?term=&sort=popular	Turning on a light is something many take for granted. But one fifth of the world's population cannot. One man in the Philippines is helping spreading light in his country and to the world's poorest.