

# Sustainable Development Goals for Pupils

**#7 AFFORDABLE AND CLEAN ENERGY**



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## Imprint

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# Sustainable Development Goals for Pupils



Activity #1	Title of the activity
Discovery	Renewable and non-renewable energy sources
<b>Objectives of the activity</b>	
<ul style="list-style-type: none"> <li>- Students learn that Sustainable Development Goal 7 is one of the 17 Sustainable Development Goals established by the United Nations General Assembly in 2015.</li> <li>- Students “learn ways to ensure everyone has access to affordable, reliable, sustainable and modern energy</li> <li>- To raise awareness among students about the current challenges of Sustainable Development Goal 7.</li> <li>- To encourage students to learn all these subjects.</li> </ul> <p>Improving students' communication skills as they share ideas with their peers during a group session.</p>	
<b>Details for the activity</b>	
<ul style="list-style-type: none"> <li>- Material – Smartphones, tablets, smart boards</li> <li>Duration – 90 minutes</li> <li>- Group number – 20 students (or one class) aged 9-11</li> <li>- Instruction: Which are the renewable energy sources? Mark the images within the given time. This competition is shared with students. Those who do everything correctly will be successful. <a href="https://h5p.org/node/1436675">https://h5p.org/node/1436675</a> it's a competition</li> </ul>	
<b>Instructions and tips for teachers</b>	
<p>Introduction to SDG 7 (20 minutes)</p> <p>The teacher explains Sustainable Development Goal 7 (SDG 7) and its key themes: clean energy from renewable and non-renewable energy sources.</p> <p>Topic Selection: (5 minutes)</p> <p>The teacher introduces the purpose of the lesson, a mark-the-correct-word contest regarding Sustainable Development Goal 7. What are the renewable energy sources? Mark when the time starts. Instructions are given to the students and the competition is started. The challenge is held in the classroom.</p> <p>Reflection: (10 minutes)</p> <p>After the competition, they find the answers from the documents and are asked whether they had difficulty. The teacher asks them to explain what these words mean and discusses whether they learned something new.</p> <p>Result: (5 minutes) The teacher gives information about the use of clean energy</p>	
<b>Instructions and tips for students</b>	
<ul style="list-style-type: none"> <li>- Discuss how each term is relevant to real-life situations.</li> <li>-Think about how you can contribute to achieving peace, justice and stronger institutions.</li> <li>-Enjoy learning, being a part of this puzzle game and collaborating with your peers. Learn the goals of SDG 7 and why it's important for building a better world.</li> </ul> <p>Collaborate with your peers by discussing terms, phrases, and their importance.</p>	

Activity #2	Title of the activity
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### Objectives of the activity

<https://youtu.be/xy9nj94xvKA> electricity generation with wind energy

<https://youtu.be/JXYkjHKakGE> Let's generate electricity for our model house

After watching the videos with the students, the teacher makes a model of a house that generates electricity with wind energy in the classroom.

### Details for the activity

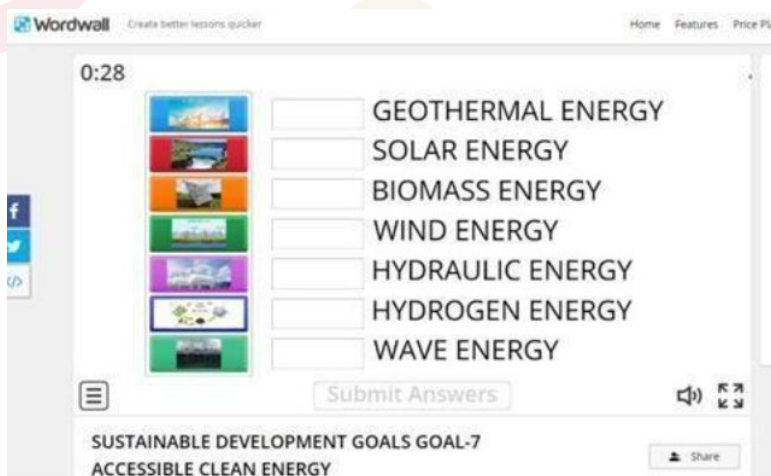
- Material – Smartphones, tablets, smart boards Duration – 90 minutes

- Group number – 20 students (or one class) aged 9-11

- Instruction: Which are the renewable energy sources? Mark the images within the given time. This competition is shared with students. Those who do everything correctly will be successful. <https://h5p.org/node/1436675> it's a competition

This is a game where QR codes and links are shared with students and played to reinforce what they have learned.

<https://wordwall.net/resource/56176423>



### Materials for the activity

Materials; Cardboard Battery Lightbulb electrical circuit

Duration -135 min

### Instructions for teachers

- Students will learn to distinguish between segregation and non-renewable resources;
- Students explore global issues (using a deep understanding and analysis of different values and world);
- Targets for the target audience;
- students' collaboration and presentation skills;
- students have smart and component-based components;
- Students respond positively to achieving SDG7;
- Students openly share their class views and beliefs
- Explain the concepts of "clean energy" and "usable energy";

### Instructions for students

Students watch videos containing information

-Students argue with the whole class They participate in the competition

Together with the teacher, they make a model of generating electricity from wind energy in the classroom and write the application stages and observations in a report.

They repair the prepared matching game, then participate in evaluation conversations and share what they have learned about SDG7.

Answers to the quiz prepared by the teacher Permanent learning is provided.

Activity #3	Title of the activity
	<b>Quiz on Sustainable Development Goal 7</b>
<b>Objectives of the activity</b>	
<p>To raise awareness and to educate pupils about the importance of SDG 7 and its role in building a better and more just world.</p> <p>To make pupils understand why achieving SDG 7 is essential for achieving all sustainable development goals.</p> <p>To work on increasing the students' knowledge on this Sustainable Development Goal and to show them how it is relevant to their everyday life.</p> <p>Encourage problem solving and engage students through interactive activities To help children understand that through this interactive activity, that makes them think for a moment about missing word.</p>	
<p>CAN YOU WRITE the types of energy? .....</p> <p>What type of energy do you use at home? .....</p> <p>What type of energy distribution in your school? ..... Can you write an example of renewable energy sources? .....</p> <p>Can you write an example of non-renewable energy sources? .....</p> <p>How many different types of change energy are there? ..... How can renewable energy provide benefits? .....</p>	
<b>Annex</b>	
<p><a href="https://sdgs.un.org/goals/goal7">https://sdgs.un.org/goals/goal7</a></p> <p><a href="https://trackingsdg7.esmap.org/">https://trackingsdg7.esmap.org/</a></p> <p><a href="https://globalgoals.org/goals/7-affordable-and-clean-energy/">https://globalgoals.org/goals/7-affordable-and-clean-energy/</a></p>	



