

Sustainable Development Goals for Pupils

#6 CLEAN WATER AND SANITATION



2022-1-FR01-KA220-SCH-000087085

Imprint

Published by:

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Design and layout: Eco Logic

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This curriculum is part of the Erasmus+ project Sustainable Development Goals for Pupils

Co-funded by the Erasmus+ Programme of the European Union:



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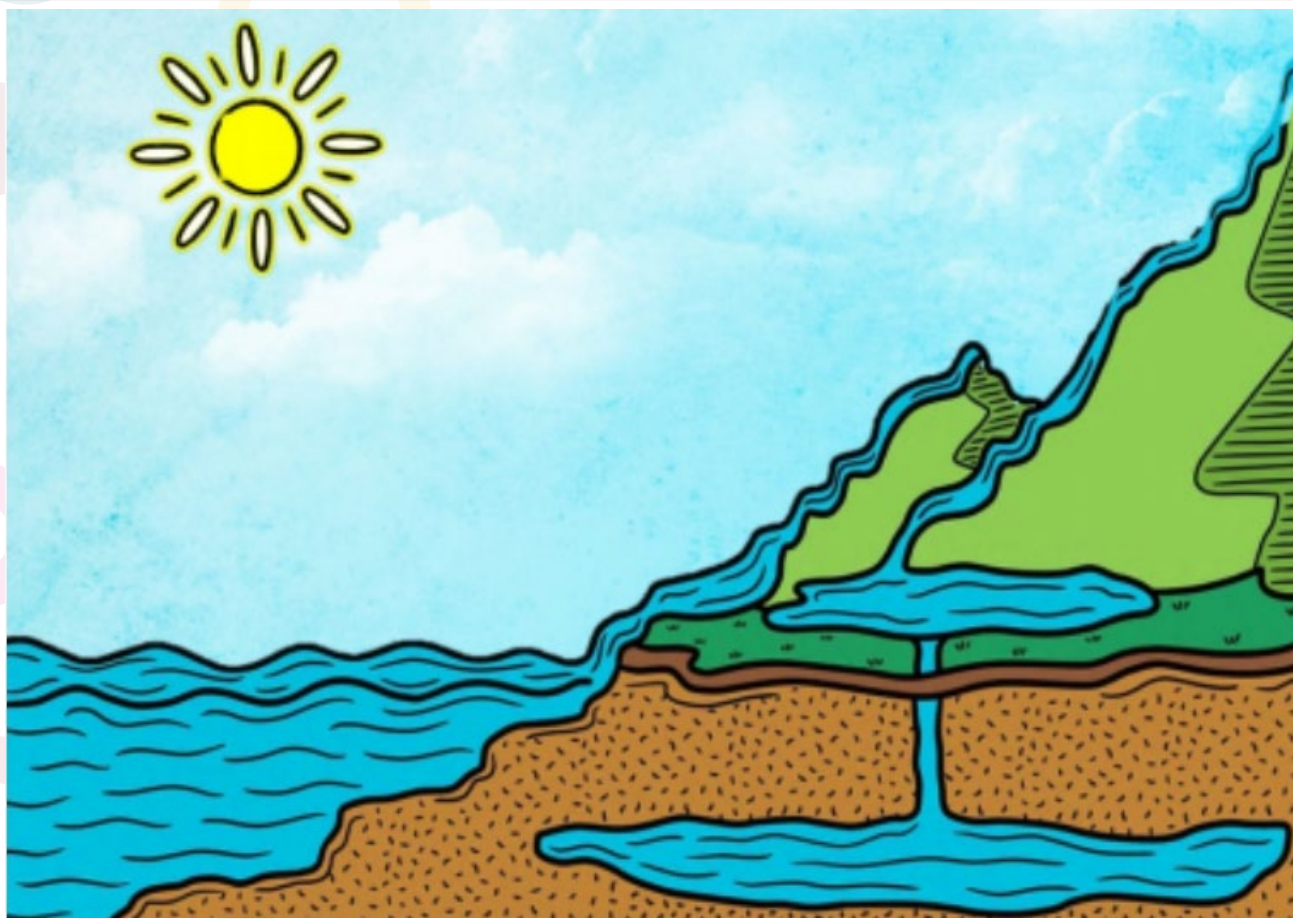
Sustainable Development Goals for Pupils



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Activity #1	Title of the activity
Discovery	Where drinking water comes from ?
Objectives of the activity	
<ul style="list-style-type: none"> - To be able to give the 3 forms of water - To be able to say where drinking water comes from. - To be able to understand the importance of saving water. - To be able to collect information from a video document. - To be able to say collect information from a paper document. 	
Details for the activity	
<ul style="list-style-type: none"> - Describe the activity. - Material – presentation, videoprojector, computer - Duration – 45 minutes - Group number – from 3 years old 	
Instructions and tips for teachers	
<p>1. The whole class presentation 10' Teacher show this short animation drinking water and ask "Where does this drinking water come ?" Teacher will introduce the water cycle. For youngest, videos could be used. Teacher stops video as soon as necessary and explain.</p> <p>Instruction 1 : "Let's remember the different forms of the water. What are they ?" Teacher can help by showing pictures. 3 forms of water</p> <p>Instruction 2 : "What is the process in which water changes in vapour ?" Teacher valids or not the answers.</p> <p>Instruction 3 : "Do you know what does water cycle mean ?" Teacher could write what students answer onto the blackboard/paperboard. Don't give any answer at this point.</p> <p>Individual reflexion 5' Instruction 3 : "Individually, write on your copybook the other processes." 4. Get into pairs 5' Instruction 4 : "Get into pairs and check your answers. Then do it again with another group".</p> <p>The whole class : validation and water cycle 20' Teacher give the right answers to whole the students. Instruction 5 : "You will have to represent the path of water in nature in order to explain where rainwater comes from and where it goes once fallen. You can write words and make arrows if needed. You can also reuse vocabulary recalled at the beginning of this lesson."</p>	



Instruction 6 : "Let's see slides about water cycle or watch a video about water cycle together and check if your diagram is correct."

Instructions and tips for students

1. Students give the 3 forms of water.
 2. The different forms are : liquid, solid, gaseous.
 3. The different processes : solidification, evaporation, condensation.
 4. Students can share words they use for "paths in nature" (write them on the blackboard).
- For youngest, instead of saying solidification, evaporation and condensation, it could be a storytelling (see below) where water transform into vapour, clouds, rain/hail/snow then become liquid again.

Annex

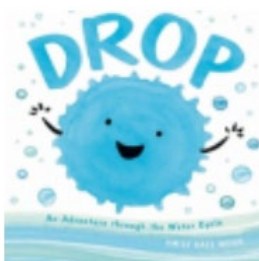
[Water cycle 01](#)

[Water cycle 02](#)

[Game : Water cycle wheel](#)

References and further reading:

[Children books](#)



Activity #2	Title of the activity
Experiment	Make rain
Objectives of the activity	
<ul style="list-style-type: none"> - To be able to give the 3 forms of water - To be able to say where drinking water comes from. - To be able to understand the importance of saving water. - To be able to collect information from a video document. - To be able to say collect information from a paper document. 	
Details for the activity	
<ul style="list-style-type: none"> - Describe the activity. - Material – plate, hot water, cold water, cling film, spoon, ice cubes - Duration – 45 minutes - Group number – from 3 years old 	
Instructions and tips for teachers	
<p>1. The whole class : experiment 5'</p>	
<p>Instruction 1 : Teacher shows the material and tell students “From the material you have, draw an experiment to make rain. Here is our scientific method”.</p>	
<p>2. Experiment : group of 4 : 20'</p>	
<p>Instruction 2 : “Get into groups of 4. You have material for each group. Now you start your scientific experiment.”</p>	
<p>3. Generalization : 15'</p>	
<p>individual 5'</p>	
<p>Instruction 3 : “Now that you've done your scientific experiment, write a conclusion (1 or 2 sentences) to share with your peers”.</p>	

The whole class 10'

Instruction 4 : "Now we will fill "the scientific method" for all of you (the same) and write conclusion in your copybook.

If one "scientific method" worksheet is correct and the drawings are well done, teacher can copy it and give it to students.

Instructions and tips for students

1. For the youngest, they will tell it to the teacher.
2. Experiment : group of 4 with material for each group
3. For the youngest, parents could be there to make sure that children are safe during this experiment.
4. In each group, one student will explain what they found and what was their conclusion.

Annex



