



BotSTEM – Erasmms+ KA2 Project

2017-1-ES01-KA201-038204

Good practice template

1. Title of the activity / practice	Getting clean drinking water
2. Origin of the activity	FYROM
3. Age of the students	6 and 7 years old students
4. Target group (type of the learners, size of the group)	First and Second Graders in Primary Schools in Macedonia
5.	
6. School subjects + topics concerned	Science / Theme 1: Environment
7. Educational goals of the practice	<ul style="list-style-type: none"> - Students will learn a way of getting clean drinking water - Students will become aware that the clean drinking water is rare in the nature - Students will learn how to respect the water as a resource
8. Duration	40 minutes
9. Place	In the classroom
10. Short description of the activity	<p>The teacher provides the following materials in the classroom: Tissues, empty plastic bottle, bottle cap with several holes, dirty water, sand, and charcoal. The teacher explains to the students that they need to get clean water out of the dirty by using the materials.</p> <p>The bottle is placed in the glass reversed with the cap on the bottom. The bottom of the bottle is cut.</p> <p>First step of creating the filter is to put some tissues on the bottle. Then the students put some sand, and on it some charcoal. On the charcoal they put sand again. They finish the filter with another layer of tissues.</p> <p>After the filter is ready, the students pour the dirty water in it to go through the filter.</p> <p>In the end, they notice the clean water in the glass.</p>



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11. Evaluation	The teacher evaluates the engagement of the students during the activity. At the end, each student should list at least 3 examples where would they use that filter. (Ex. Forest, lake, river, rain etc.)
12. Materials / Resources / technical requirements	Tissues, empty plastic bottle, bottle cap with several holes, dirty water, sand, charcoal, glass
13. Tips for educators / theoretical background (if applicable) or curriculum context	The activity is also applicable in other subjects where students become aware that not all the children in the world have clean drinking water. Also, it has a correlation with the UNICEF campaign – <i>Clean drinking water for all!</i> (https://www.youtube.com/watch?v=1TIFjZXcZro https://www.youtube.com/watch?v=yRXmG1nBKIA)