





Topic:	Engineering
Country:	Bulgaria
Name:	Water Dispenser
Age:	Any age
Duration:	1-2 hours
Objectives:	<ul style="list-style-type: none"> <li>- developing imagination</li> <li>- improving creativity</li> <li>- enriching general knowledge in terms of engineering and technology</li> <li>- applying accuracy and precision in planning and doing the activities</li> </ul>
Equipment:	<p>For a hand-made beverage dispenser you will need:</p> <ul style="list-style-type: none"> <li>● Empty Pringles can</li> <li>● Empty Nutella jar</li> <li>● Empty toothpaste tube</li> <li>● drinking straw</li> <li>● glue, or transparent silicone, pencil and scissors</li> <li>● decorating paper</li> </ul>
Description:	<ul style="list-style-type: none"> <li>- This is an idea that can be realized with the help of different materials – cardboard, empty can etc.</li> <li>- Students will have to decide on what size, shape or materials they are going to use in their project according to their own preferences</li> <li>- Students need to follow a particular order of measuring, cutting, fixing, and covering the sample so that they can come out with the wanted water dispenser</li> <li>- Do the following steps: empty Pringles can, empty toothpaste tube and cut the top, circle, measure and cut a hole onto the can, equal to the toothpaste cap, draw and cut a hole underneath the circle to the bottom of the Pringles can</li> </ul> <div style="display: flex; justify-content: space-around; align-items: flex-start;">   </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;">   </div>



- The dispenser surface may be decorated with coloured paper, stickers or paintings

Comments:

Through the experience, students are encouraged to recycle their waste and learn to reuse different redundant materials such as empty cans, jars or plastic bottle. They also develop their creativity, engineering abilities, handicraft skills and innovative thinking. This is a way to make best out of waste!