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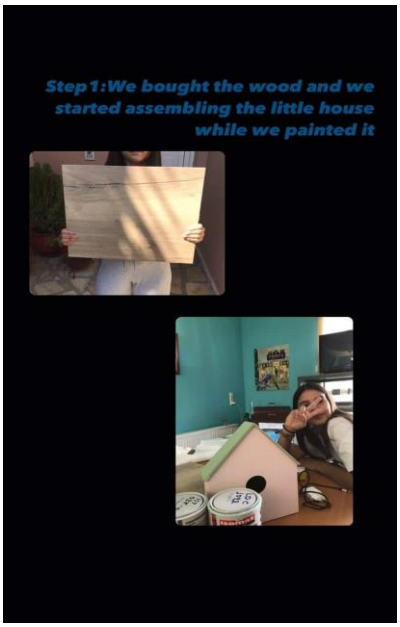
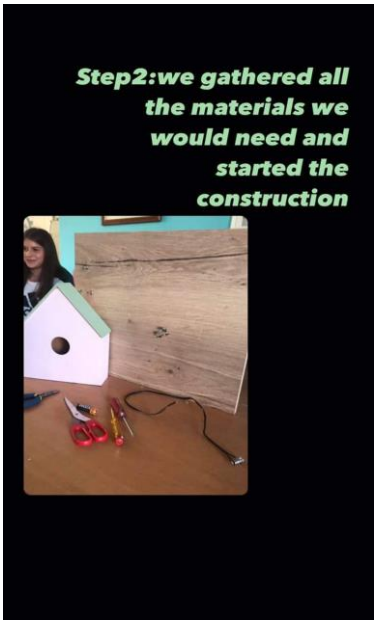
| Subject: | Engineering |
| Country: | Greece |
| Title: | Solar house (energy conversion) |
| Age: | >12 |
| Duration: | 6 hours |
| Objective: | - gaining knowledge on STEAM subjects<br>- applying science on everyday subjects<br>- creating a construction<br>- using artistic skills<br>-learning how to cooperate |
| Equipment: | To make a solar house students had the chance to use any material they wanted. So, they used:<br>• A piece of cardboard or wood<br>• Glue, pencils, colours<br>• A lamp, pieces of wire, solar panel<br>• Materials to decorate their construction |
| Description: | The solar house can be realized with the use of different materials. Students decided about it. They also decided about the shape and dimensions of their construction. Some students couldn't find a solar panel and made a construction with a battery.<br>Below there is the procedure they followed:<br>  <br>  |

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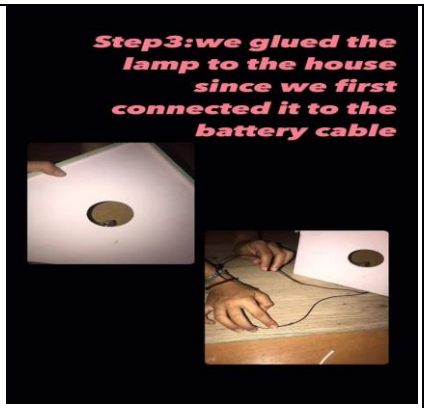
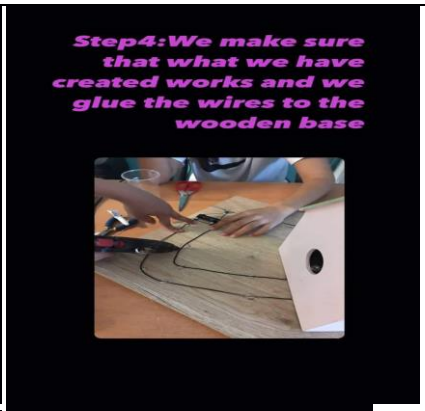
| |  <br>  <br>  <br>  |
| Comments: | The purpose of the creation was to learn how we can use solar energy, which is renewable energy source, and prevent environmental pollution. Through this work, students developed their creativity, and their engineering abilities. |