



LESSON PLAN

Name of the lesson	Technology and Design
Grade	12-14 years old
Subject	Designing recycle box
Time	4 Lesson Hour

Target Behaviours	<ul style="list-style-type: none"> -Distinguishes recyclable and non-recyclable materials in household waste. -Designs projects for recycling of domestic solid wastes. -Thinks recycling in terms of effective use of resources. -Develops the responsibility of waste control in its immediate surroundings.
Keywords	Domestic solid waste materials, Recycling, Reuse, Reduce, Rethinking
Methods	Lecture, Question and Answer, Role Playing, Group Work
Requirements	3 Cardboard boxes (50x30x40 cm or similar), Colour Printer, Hot Glue Gun, Silicone candle, Scissors, Ruler (50cm), Pencil, Craft knife, Crayons, Stick glue
Security	The teacher should warn the students about using hot glue gun and craft knife. Hot glue gun can burn the fingers and craft knife can cut. So, the students should use this materials carefully. Also teacher can help to the pupils when they use these materials.
Warm up	<p>Bring in four plastic bags; each containing different items for example pieces of aluminum foil, scrap papers, banana skins, plastic bottles, batteries, empty cans, glass bars, aerosol cans, paper boxes, some newspaper, and cup cakes.</p> <p>Divide class into four small groups. Assign each group a letter name: A, B, C, and D. Give each group one bag. Ask each group to decide if any of the items could go to a recycling box. Stick two paper sheets; one on each side of the class. Write "Can recycle" and "Can't recycle" .</p> <p>Explain task: ask students to stand up, walk round the class, and write on sheet 1 the name of the items they decided to send to the recycling box, and on sheet 2 the items which won't go to the recycling box. Leave the paper sheets hanging for a later discussion.</p>



Processing	<p>Announce crafts time. Divide the students to the 8 groups. Put in the table all required materials. Announce a competition between groups to see who can make the coolest recycle box on how to save the environment.</p> <p>The winner group should satisfy the following criteria:</p> <ul style="list-style-type: none">-The box that raises students's awareness to the importance of recycling and provides solutions on how to save the planet.-The box also needs to include the recycle sign, project logo, group members name and surname and Erasmus beneficiary logos.-All the groups will be winner and their boxes put to the school corridors.-The students can use computer to print logos and signs. Also they can research sample designs for recycle boxes.
Evaluation	The students fill the self-assessment form below.



Self-assessment Form

1-What did I learn in this activity?	
2- What did I do well? Why?	
3- What did I have trouble with? Why?	
4-Where did I need help?	
5- In which area should I improve myself more?	
6- What are my strengths and weaknesses?	