

PRACTICAL ACTIVITY 1 - Part 2 Plastic sector

<p>Title</p>	<p>a. What else could you suggest as a new path to reusing plastic?</p>
<p>Part of the training course referred to in this lesson</p>	<p>Part 2 X Plastic sector</p>
<p>Duration</p>	<p>30-45min</p>
<p>Location</p>	<p>Outside</p>
<p>Specific location requirement</p>	<p>Garden</p>
<p>Equipment needed</p>	<p>Plastic bottle, sharp knife</p>
<p>General Learning objective(s) according to the Bloom Taxonomy https://cft.vanderbilt.edu/guides-sub-pages/blooms-taxonomy/</p>	<ul style="list-style-type: none"> · Create ☑ Produce new or original work (design, assemble, construct, investigate, formulate) · Evaluate ☑ Justify a stand or decision (appraise, argue, defend, critique, select, support) · Analyze ☑ Draw connections among ideas (differentiate, organize, relate, compare, distinguish, test, experiment) × Apply ☑ Use information in new situations (execute, implement, solve, use, demonstrate, operate) · Understand ☑ Explain ideas or concepts (classify, discuss, describe, identify, locate, translate)
<p>Specific learning objective(s)</p>	<p>To learn about how to reuse plastic To try reuse plastic in the garden</p>
<p>Cognitive, socioemotional and behavioural outcomes based on https://www.unesco.org/sites/default/files/2018-</p>	<p>Learning objectives for SDG 11 “Sustainable Cities and Communities” Cognitive Learning Objectives - The learner knows the basic principles of sustainable planning and building and can identify opportunities for making their own area more sustainable and inclusive.</p>



<p>08/unesco_education_for_sustainable_development_goals.pdf</p>	<p>Socio-emotional learning objectives</p> <ul style="list-style-type: none"> - The learner is able to feel responsible for the environmental and social impacts of their own individual lifestyle. <p>Behavioural learning objectives</p> <ul style="list-style-type: none"> - The learner is able to promote low-carbon approaches at the local level. - The learner is able to co-create an inclusive, safe, resilient and sustainable community 																
<p>Green skill(s) addressed</p>	<table border="0"> <tr> <td>X Creative problem-solving</td> <td><input type="checkbox"/> Management skills</td> </tr> <tr> <td>X Forward-thinking</td> <td><input type="checkbox"/> Impact quantification</td> </tr> <tr> <td><input type="checkbox"/> Monitoring skills</td> <td><input type="checkbox"/> Life-cycle management</td> </tr> <tr> <td><input type="checkbox"/> Analytical skills</td> <td><input type="checkbox"/> Science skills</td> </tr> <tr> <td><input type="checkbox"/> Lean production</td> <td>X Waste management</td> </tr> <tr> <td><input type="checkbox"/> Maintenance and repair skills</td> <td><input type="checkbox"/> Environmental auditing</td> </tr> <tr> <td><input type="checkbox"/> Pollution prevention</td> <td><input type="checkbox"/> Ecosystem management</td> </tr> <tr> <td><input type="checkbox"/> Eco-design</td> <td><input type="checkbox"/> Other _____</td> </tr> </table>	X Creative problem-solving	<input type="checkbox"/> Management skills	X Forward-thinking	<input type="checkbox"/> Impact quantification	<input type="checkbox"/> Monitoring skills	<input type="checkbox"/> Life-cycle management	<input type="checkbox"/> Analytical skills	<input type="checkbox"/> Science skills	<input type="checkbox"/> Lean production	X Waste management	<input type="checkbox"/> Maintenance and repair skills	<input type="checkbox"/> Environmental auditing	<input type="checkbox"/> Pollution prevention	<input type="checkbox"/> Ecosystem management	<input type="checkbox"/> Eco-design	<input type="checkbox"/> Other _____
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<p>Step by step instructions to implement the activity</p>	<p>Introduction:</p> <p>Small plastic projects are an amazing way to make decorations and useful furniture for your home and garden. There are many practical, attractive, and easy things you can design at home.</p> <p>These DIY ideas are great for people who have low skills, tools, and materials.</p> <p>A Garden funnel, plastic bottle pot, watering system, a barrier against slugs and other insects, planter stands, and bird feeders are good ideas to start recycling plastic pieces. There are even small and uncomplicated projects that result in creating something worthwhile and practical around your house, like Christmas decorations, organisers, door stoppers, and table coasters.</p> <p>But why would anyone want to use old plastic trash/leftovers? They can be easily recycled and the trend of being eco-friendly is just more and more popular. If you want to make good changes within your own household and maybe even inspire your community to do the same.</p> <p>Shared ideas below you can try individually or with a group.</p> <p>Step-by-step:</p> <p>Idea 1. Make a slug bar - slugs love beer</p>																

There's nothing worse than having your garden swamp with slugs eating all of your plants. One simple solution is a slug bar:

- Cut off the bottom 1/3 of a bottle with a sharp knife and sink it into the ground.
- Fill with beer.
- Leave overnight.
- Slugs are attracted to the beer, they are anonymous alcoholics, and they will then fall into the bottle and become trapped.

Idea 2. Barrier against slugs

Protect your plants! This barrier stops slugs from digging under and can also keep your plants steady against the wind.

- Take a clear 2-litre plastic bottle, wash and cut the top and bottom
- Smear vaseline around the inside and outside of the bottle, 8cm from the bottom (making it more difficult for the slugs to crawl in)
- Sink the cylinder around the seedling (about 8cm into the dirt).

Idea 3. Make a plant propagator

Amazing for growing plants from seeds, cutting or even bulbs by making a little windowsill propagator.

- Cut off the top 2/3 of the bottle with a sharp knife
- Place this on the top of a pot with the plants you would like to grow (like a lid)
- Put on your windowsill
- use the lid to control the moisture content and heat.

Idea 4. Make a funnel

The top 1/3 or half of a plastic bottle can also act as a funnel.

This can be used in planthouses for seeds or feeds. You could also invert into the soil and fill it with water as a water-gathering system.

Idea 5. Making a plant pot dish

These act as a little water catcher underneath your plant pots to prevent any mess from leakage after you have watered your plants.

- Use a knife to cut off the last 5cm of the bottom of the plastic.
- Sit your small plant pot in the centre
- Not only does this recycle the bottle, it also preserves water too.

	<p>Take a few steps back and you are done, enjoy your work. You can share your work with a family member and maybe even neighbours to inspire your community to be creative and eco-friendly.</p> <p>You will make a positive impact on the environment.</p>
<p>Assessment tool / methodology</p>	<p>Feedback from the participants on the strong and weaker points of the practical activities and its usefulness.</p> <p>Assessment and reflection for the students:</p> <ul style="list-style-type: none"> II. How could you reuse plastic in your own environment at home, school, garden? III. What do you recommend for your classmates? IV. In what way was the experience beneficial? V. How do you intend to use this gained skills, knowledge and experience? VI. Any other comments?
<p>Additional resources</p>	<p>none</p>
<p>Source</p>	<p>none</p>