

R2. A1.2 PRACTICAL ACTIVITY

Title	Recycle of wood within your own house
Part of the training course referred to in this lesson	Part 2 ☑ Wood sector
Duration	30-45min
Location	Outside and Inside are both possible
Specific location requirement	Warehouse, garage, workshop – location where you can get your hands dirty, maybe even make some noise you one or other tools
Equipment needed	Hammer, crowbar, sandpaper screwdriver, wood saw, corner brackets ruler, wood glue, thin metal wire, working gloves, safety glasses, sponge, water, polish, and paint.
General Learning objective(s) according to the Bloom Taxonomy https://cft.vanderbilt.edu/guides-sub-pages/blooms-taxonomy/	☑ Apply ☑ Use information in new situations (execute, implement, solve, use, demonstrate, operate)
Specific learning objective(s)	<ul style="list-style-type: none"> - To learn about creative design ideas at home using woodworking - To discover benefits of the re-using material
Cognitive, socioemotional and behavioural outcomes based on https://www.unesco.org/sites/default/files/2018-08/unesco_education_for_sustainable_development_goals.pdf	<p>Learning objectives for SDG 11 “Sustainable Cities and Communities”</p> <p>Cognitive Learning Objectives</p> <ul style="list-style-type: none"> - 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>Socio-emotional learning objectives</p>



<p>pment_goals.pdf</p>	<p>- The learner is able to feel responsible for the environmental and social impacts of their own individual lifestyle.</p> <p>Behavioral learning objectives</p> <p>- The learner is able to promote low-carbon approaches at the local level.</p> <p>- The learner is able to co-create an inclusive, safe, resilient and sustainable community</p>																
<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 wood 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. The ideas require basic knowledge of dealing with wood, but once you start recycling your leftover wood, you will quickly learn creative ways to reuse and recycle wood.</p> <p>Tiny wall shelves, planter stands, birdhouses, and wall clocks are good ideas to start recycling wood pieces. There are even small and uncomplicated projects that result in creating something worthwhile and practical around your house, like Christmas decorations, organizers, door stoppers, and table coasters.</p> <p>But why would anyone want used old wooden trash/leftovers, scrop wood? 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>Step-by-step:</p> <p>Firstly, find a location where you can easily do your wood recycling.</p> <p>Secondly, gather all the tools that you might need and all the wood that you have, maybe a big pallet or a few wooden planks, some cardboard boxes or fallen pieces of the tree.</p> <p>Then you will need to clean them and remove the dirt, you can use simple</p>																



sponse and water, all foreign objects from them such as nails, screws and etc.

If you have some wooden pallets safely disassemble them into one piece of plank, be careful while doing that please use hammers, gloves, a crowbar, and safety glasses.

Then when you have all of your wood clean and ready to be used, please sort them by size, shape, and materials.

If you wish to make a wooden shelf follow the steps below.

1. Think of the design and place where you wanna hang them, measure the size of your wall where it's supposed to be hung.
2. Find the most familiar size and shape plank that you want to put on the wall.
3. Check again if it doesn't have any foreign objects or dirt on it. (If necessary clean it)
4. Start by cutting into the right size for your shelf. Example of measurement to follow to make sense for the shelf. From 80cm to 140cm in length and wide from 30cm to 60cm.
5. If your planks aren't ideal size, use the wood saw, ruler and wood glue - cut them or glued them together to have your preferred shape and size.
6. One of the final steps is using sandpaper to make your shelf smoother.
7. Put some polish on it so it will stay longer, it will reflect more water and dirt from the shelf, making it last much longer.
8. If you wish to paint it with your chosen color maybe something similar to what your design is in the chosen room.
9. Lastly using a few nails, a pencil, a corner bracket, a ruler and a hammer, put it on the wall.

Measure where you want it to be hung, mark the places with the pencil, then put the corner brackets on the wall and using a hammer, put some nails in marked positions. Then put the shelf on those corner brackets and hammer it with nails firm.

Take a few steps back and you are done, enjoy your work. You can share your work with a family member and maybe even neighbors to inspire your community to be creative and eco-friendly.

You will make a positive impact on the environment.

For more design ideas do this.

When you know exactly what kind of material you have you can google materials names and please add the words – ,creative design at home' to find the best results.

<p>Assessment tool / methodology</p>	<p>Feedback from the participants on the strong and weaker points of the lesson and its usefulness.</p> <p>Assessment and reflection for the students:</p> <ol style="list-style-type: none"> I. What have you learned? II. In what way was the experience beneficial? III. How do you intend to use this gained skills, knowledge, and experience?
<p>Additional resources</p>	<p>none</p>
<p>Source</p>	<p>none</p>