



# ECO-Cultural TOOLKIT



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Verein für Bildungsberatung e.V.



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The Eco-Cultural Toolkit has been developed as part of the Eco-Cultural

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# Disclaimer

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# About the Project

The Eco-Cultural Workshops: Building a Sustainable Future Together project is part of the Erasmus+ KA210 Small-scale Partnerships in Youth field. It aims to empower youth workers, migrants, and refugees by equipping them with green skills and fostering cultural integration. By addressing the horizontal priority of "Environment and the fight against climate change" and the youth priority of "Increasing quality, innovation, and recognition of youth work," the project seeks to provide innovative solutions to environmental and societal challenges.

The project is built on the understanding that environmental sustainability and cultural exchange are deeply interconnected. It promotes the idea that engaging youth in meaningful, collaborative activities can address environmental issues while fostering mutual understanding and community cohesion. To achieve this, the project will implement a series of educational and participatory activities, including eco-cultural workshops, webinars, and the creation of a comprehensive educational toolkit.

## Objectives:

1. Equip participants with practical green skills to address environmental challenges.
2. Facilitate cultural exchange to promote mutual understanding and respect.
3. Empower youth workers with tools and methodologies to guide diverse groups.
4. Create and disseminate educational resources on sustainability.
5. Develop community-driven solutions to local environmental issues.

## Tool list of the Toolkit:

Tool 1 Introduction to Community Arts in Peace Building

Tool 2 Best Practices on Community Arts

Tool 3 Cultural Integration through recycling, upcycling, downcycling

Tool 4 Non-Formal Education Approaches

Tool 5 Youth Empowerment in Community Art Practises

Tool 6 Sustainability and Evaluation Strategies



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# Tool 1

## Cultural Integration through Sustainability Activities



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# Painting Traditional Symbols on Cloth Bags with Natural Dyes

<b>When to use it?</b>	This activity is ideal for workshops, cultural events, schools, and eco-conscious gatherings that promote sustainable practices and reduce single-use plastic bags.
<b>Activity Type</b>	Offline, hands-on workshop
<b>Target Group</b>	<ul style="list-style-type: none"><li>• Youth (18-30)</li><li>• Community members</li><li>• Environmental activists</li><li>• Migrant and local communities seeking to promote environmental collaboration</li></ul>
<b>Skills Addressed</b>	<ul style="list-style-type: none"><li>• Creativity, sustainability awareness</li><li>• eco-friendly crafting,</li><li>• cultural appreciation,</li><li>• teamwork</li></ul>
<b>Materials Needed</b>	<ul style="list-style-type: none"><li>• Plain cotton or linen cloth bags</li><li>• Natural dyes</li><li>• Brushes of different sizes</li><li>• Stencils or guides for traditional symbols</li><li>• Water and mixing containers</li><li>• Protective gloves and aprons (optional but recommended)</li></ul>
<b>Description</b>	This activity engages participants in an eco-friendly craft by using natural dyes to paint traditional symbols on reusable cloth bags. It promotes environmental consciousness by reducing plastic usage and encourages appreciation of cultural heritage through artistic expression.



## How to use it?

### 1. Preparation:

Set up the painting area with protective coverings and prepare aprons for participants. Prepare a tote bag, natural paints, brushes, stencils, a pencil, masking tape, and water.

### 2. Choose Your Design:

Select cultural symbols you want to use (e.g., evil eye, tulip motifs, mandala patterns, four-leaf clover, flag colours, cultural foods or spice symbols).

### 3. Draw or Use a Stencil:

Sketch the design directly onto the bag or use a stencil for precision.

### 4. Set Up the Bag Properly:

Place a firm surface or cardboard inside the bag for a smooth painting area.

### 5. Mix and Test Paints:

Try out the colors on a small fabric piece to see how they look.

**6. Start Painting:** Begin with small details and move on to larger areas, layering as needed.

### 7. Let It Dry:

Allow the paint to dry for few hours to prevent smudging.

### 8. Fix the Paint:

Make the design permanent by ironing the reverse side.

### 9. Add Final Touches:

Enhance your design with extra details, highlights, or glitter if desired.

### 10. Showcase & Discussion:

Encourage participants to share their designs and discuss the environmental and cultural impact of using natural dyes and reducing plastic waste.

## Tips for Learners

- Use different brush sizes for detailing and shading effects.
- Layer colours carefully to create vibrant designs.
- Explore various cultural symbols and their meanings.
- Be patient—natural dyes may appear lighter when wet and darken as they dry.

## Resources

- Local cultural and environmental organizations
- Online guides on natural dye painting techniques
- Books on traditional symbols and their meanings
- Community groups focused on sustainable crafting



# Evaluation

## Questions

**1. What is the main benefit of using natural dyes instead of synthetic dyes?**

- a) They are cheaper to produce
- b) They are non-toxic and environmentally friendly
- c) They make colors fade faster
- d) They are easier to mass-produce

**2. What is an advantage of using cloth bags instead of plastic bags?**

- a) They last longer and are reusable
- b) They are more expensive
- c) They are difficult to carry
- d) They cannot be decorated

**3. Why is learning about traditional symbols important in this activity?**

- a) It helps connect people to their cultural roots and history
- b) It makes the bag heavier
- c) It makes the dye last longer
- d) It increases the cost of production

**4. What is a simple way to encourage more people to use natural dyes?**

- a) Promoting synthetic dyes as a better alternative
- b) Keeping the information secret
- c) Organizing workshops and sharing knowledge about eco-friendly dyeing
- d) Making natural dyes more expensive

**5. Why do some cultures use specific symbols in traditional art?**

- a) To protect the fabric from damage
- b) To make the fabric heavier
- c) To increase the value of the item
- d) To tell stories and represent beliefs

**Answers:**

1.b 2.a 3.a 4.c 5.d



# Discussion Questions

## 1. How can small eco-friendly actions, like using reusable bags, contribute to bigger environmental changes?

Small actions add up when many people participate. If each person replaces plastic bags with reusable ones, millions of plastic bags can be prevented from entering landfills and oceans. This mindset shift encourages larger lifestyle changes, such as reducing waste and choosing sustainable products.

## 2. What other creative ways can people repurpose old or unused fabrics instead of throwing them away?

Old fabrics can be turned into tote bags, cushion covers, patchwork quilts, upcycled clothing, or even cleaning rags. Repurposing textiles extends their life cycle and reduces textile waste.





# Tool 2

Cultural Integration  
through Eco-friendly  
practices



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# Community Tree Planting Day

**When to use it?**

Environmental awareness events, sustainability initiatives, or community engagement programs.

**Activity Type**

Offline, hands-on outdoor activity.

**Target Group**

Young people (18–30)  
Migrant and local community members  
Environmental volunteers.

**Skills Addressed**

- Environmental responsibility
- teamwork
- sustainability
- ecosystem restoration.

**Materials Needed**

- Tree saplings
- Shovels
- Gloves
- Watering cans
- Compost/organic fertilizer
- Markers for tree identification.

**Description**

Participants come together to plant trees in a designated area, promoting environmental sustainability and community engagement. The activity fosters teamwork while contributing to local biodiversity and carbon reduction efforts.

## How to use it?

### 1. Introduction:

Discuss the importance of trees for the environment, including carbon absorption, biodiversity, and urban cooling.

### 2. Select the Right Tree Species:

Choose a native or climate-friendly tree that supports local biodiversity.

### 3. Find a Suitable Location:

Ensure the area has enough space, sunlight, and proper soil conditions.

### 4. Prepare the Soil:

Remove weeds, loosen the soil, and add compost if needed.

### 5. Dig a Proper Hole:

Make the hole twice as wide as the root ball but not deeper than the roots.

### 6. Place the Tree Carefully:

Position the tree so that the root collar is level with the ground.

### 7. Fill the Hole with Soil:

Gently pack the soil around the roots to remove air pockets.

### 8. Water Thoroughly:

Give plenty of water right after planting to help the roots settle.

### 9. Apply Mulch:

Spread mulch around the base to retain moisture and prevent weeds.

### 10. Stake if Necessary:

Use stakes for support if the tree is young or in a windy area.

### 11. Activity:

Participants work in groups to plant trees and label them.

### 12. Monitor and Maintain:

Water regularly, protect from pests, and ensure healthy growth.

### 13. Reflection:

Discuss the long-term impact of tree planting and how individuals can contribute to reforestation efforts.

## Tips for Learners

- Choose native tree species suited to the local climate.
- Encourage teamwork by assigning different roles (digging, planting, watering, marking).
- Emphasize proper tree care to ensure long-term survival.

## Resources

- Local forestry departments or environmental NGOs for sapling donations.
- Online guides on tree planting best practices.



# Evaluation

## Questions

### 1. Why is tree planting important for the environment?

- a) It increases global warming
- b) Trees absorb carbon dioxide and provide oxygen
- c) Trees make the soil dry and infertile
- d) It decreases biodiversity

### 2. Which of the following is a key step in planting a tree?

- a) Placing the sapling on the surface without digging a hole
- b) Watering the tree only once after planting
- c) Digging a hole, placing the sapling, covering with soil, and watering it
- d) Pulling off the leaves before planting

### 3. What is the best way to ensure a newly planted tree survives?

- a) Watering it regularly and protecting it from extreme weather
- b) Leaving it to grow naturally without any care
- c) Cutting off its branches frequently
- d) Removing it if it grows too fast

### 4. Which of the following is an environmental benefit of trees?

- a) They provide oxygen and improve air quality
- b) They increase noise pollution
- c) They reduce soil fertility
- d) They make the air hotter

### 5. How can communities support tree planting initiatives?

- a) By participating in local tree planting events
- b) By cutting down old trees to make space
- c) By avoiding any kind of tree care
- d) By using plastic trees instead of real ones

## Answers:

1. b | 2. c | 3. a | 4. a | 5. a



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# Discussion Questions

**Question 1: How can tree planting help communities become more environmentally conscious and responsible?**

**Answer:** Tree planting raises awareness about the importance of nature and sustainability. When people actively engage in planting trees, they develop a deeper connection with the environment and become more mindful of their ecological impact. This awareness often extends to other green behaviours, such as reducing waste, conserving water, and protecting local biodiversity.

**Question 2: In what ways does participating in community tree planting events help individuals feel more connected to society?**

**Answer:** Tree planting fosters social inclusion by bringing people together for a shared purpose. It encourages teamwork, communication, and a sense of achievement, helping individuals—especially newcomers, young people, or marginalized groups—feel valued and integrated into the community. The long-term presence of the trees also serves as a reminder of their contribution, strengthening their bond with the place and its people.





# Tool 3

Cultural Integration  
through recycling,  
upcycling, downcycling



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# Material Transformation Station

## When to use it?

This activity is ideal for community-building events, environmental awareness programs, youth leadership workshops, or school-based eco-initiatives. It can be used in various settings where upcycling, recycling, and downcycling are to be explained, and where creative work is encouraged to transform existing products into new ones.

## Activity Type

Indoor activity, offline

## Target Group

Youth (13–30 years)  
Community leaders & activists  
School or university students  
Migrant and local communities seeking to promoting environmental collaboration

## Skills Addressed

- Creativity & Innovation
- Environmental Awareness
- Problem-Solving
- Cultural Awareness & Empathy
- Collaboration & Teamwork

## Materials Needed

Plastic bottles, cardboard, old CDs, string, glue, markers, cultural designs



# Material Transformation Station

**Description** Participants create new items from recycled materials, such as pencil holders or decorative items. The objective of the tool is to inspire creativity by repurposing waste materials into functional items. At the same time, participants are encouraged to incorporate ethnic or cultural patterns and elements, fostering greater understanding and empathy toward different cultures. They can creatively use elements from their own culture or other cultures.

**How to use it?**

Steps:

- 1-Introduction: Discuss the concept of upcycling and its environmental benefits.
- 2-Design: Participants brainstorm and sketch their ideas.
- 3-Creation: Allocate 45-60 minutes for participants to build their items.
- 4-Presentation: Each participant shares their creation with the group.

## Tips for Learners

- Think Outside the Box – Be creative in how you repurpose materials. An old item can have a completely new function!
- Experiment with Cultural Elements – Try incorporating patterns, symbols, or materials from different cultures to make your design unique.
- Choose Materials Wisely – Consider durability, texture, and recyclability when selecting materials for your project.
- Work Collaboratively – Share ideas, get feedback, and be open to teamwork. Others might see possibilities you hadn't considered!

## Videos

### Upcycling Vase:

<https://www.youtube.com/watch?v=ENqGOJq3BGE>

### DIY Idea:

<https://www.youtube.com/watch?v=Ak7MHExShGc>

### 39 kreative Glasgefäß- und Flaschen-Upcycles:

<https://www.youtube.com/watch?v=1cWuRyFNjho>

### 18 geniale Upcycling-Ideen für Blechdosen: Müll in Schatz verwandeln:

<https://www.youtube.com/watch?v=7gAQzBSqNkA>



# Recommendations about the tool:

## Additional Sources

### Youtube Video:

Upcycling: Trash To Treasure | World Environment Day Special | Channel NewsAsia Connect  
<https://www.youtube.com/watch?v=rd7qP9FdTaI>

### Youtube Video:

21 Surprising Ways To Upcycle Old Plastic Products  
<https://www.youtube.com/watch?v=rEaqfA-1JnM>

### Documentary:

#### Trash To Treasure - An Upcycling Story

<https://www.youtube.com/watch?v=M2Hb8uFt5NQ>

### Magazine Article

#### Sustonmagazine: Whats the difference between recycling upcycling downcycling/

<https://sustonmagazine.com/2024/02/21/whats-the-difference-between-recycling-upcycling-downcycling/>



# Evaluation

## Questions:

### 1. What is upcycling?

- a) Turning waste into something of equal value
- b) Turning waste into something more valuable
- c) Breaking down materials into raw forms
- d) Throwing materials away without reuse

### 2. Which of the following is an example of downcycling?

- a) Making a chair from old wooden pallets
- b) Turning plastic bottles into art
- c) Shredding paper to make lower-quality paper products
- d) Creating a reusable bag from a t-shirt

### 3. Which of these materials is commonly recycled?

- a) Food scraps
- b) Plastic bottles
- c) Old clothes
- d) Broken glass

### 4. What does recycling primarily focus on?

- a) Turning materials into art
- b) Reprocessing materials to create new products
- c) Throwing materials away
- d) Using old materials for decoration

### 5. How can upcycling help promote sustainability?

- a) By making new materials from scratch
- b) By reusing old materials to create new products
- c) By using only eco-friendly products
- d) By discarding old materials in a proper way

## Answers:

1. b | 2. c | 3. b | 4. b | 5. b



# Discussion Questions

## 1 Questions

**Have you ever created something through upcycling? What kind of products could be made by combining cultural heritage with upcycling techniques?**

By combining cultural heritage with upcycling, products such as decorative items using traditional patterns, jewelry made from repurposed materials, or furniture incorporating cultural symbols and craftsmanship techniques can be made. These items not only promote sustainability but also celebrate cultural identity.

## 2 Questions

**Have you encountered traditional or indigenous methods of repurposing materials? How do these compare to modern sustainability efforts?**

Yes, traditional methods of repurposing materials, such as using woven baskets from recycled plant fibers or creating clothing from old fabrics, are still practiced in many cultures. These methods often emphasize resourcefulness and minimal waste, similar to modern sustainability efforts. However, traditional practices are typically more localized, while modern sustainability efforts incorporate broader technology and global awareness, often focusing on industrial-scale recycling and upcycling. Both approaches aim to reduce waste and promote a sustainable way of living.





# Tool 4

Cultural Integration  
through conserving energy,  
energy-saving practises



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# Tracking and Reducing Daily Energy Use

## When to use it?

This activity is suitable for environmental education programs, sustainability workshops, school projects, and youth leadership training focused on energy conservation. It works well in both classroom and community settings.

## Activity Type

Indoor, offline or online

## Target Group

- Youth (13–30 years)
- Community leaders & activists
- School or university students
- Migrant and local communities seeking to promoting environmental collaboration

## Skills Addressed

- Awareness of energy consumption
- Basic calculation skills
- Critical thinking and problem-solving
- Sustainable decision-making

## Materials Needed

- Energy consumption chart (see the link below):  
[https://drive.google.com/file/d/139m31Wdqtp91lWXmBsH5tcsyTF18Xliq/view?usp=drive\\_link](https://drive.google.com/file/d/139m31Wdqtp91lWXmBsH5tcsyTF18Xliq/view?usp=drive_link)
- Pen or pencil
- Simple calculator (if needed)



## Tracking and Reducing Daily Energy Use

**Description** The purpose of this activity is to help young participants understand where and how they use energy in their daily lives. By tracking and calculating energy consumption for common activities, participants will gain insights into how small changes can lead to more sustainable energy use.

### How to use it?

- Introduce the Chart:
- Provide each participant with an energy consumption chart. This chart includes common daily activities (e.g., using a phone, taking a shower, turning on lights) along with their average energy consumption values (in kWh, or another simple unit for ease of calculation).
- Tracking Energy Use:
  - Ask participants to fill in the chart by noting how many times they perform each activity in a typical week.
- Calculate Energy Consumption:
  - Once the chart is completed, guide participants in calculating how much energy they consume for each activity. Use the simple formula:
    - Energy used (kWh) = Time spent (hours) × Energy consumption per hour (kWh).
    - For example, if a participant uses their phone for 2 hours a day, and it uses 0.05 kWh per hour, the total energy consumption for phone use would be:
      - 2 hours × 0.05 kWh = 0.10 kWh.
- Review Results:
  - After calculating, discuss with the group the total amount of energy consumed throughout the day. Ask them to reflect on how small changes (e.g., turning off lights, reducing screen time) could lower their energy consumption.



# Recommendations about the tool:

## Tips for Learners

- Pay attention to small daily habits—they can add up to significant energy savings.
- Use realistic estimates when calculating energy consumption; perfection isn't necessary.
- Think about how energy use differs across cultures and what sustainable practices you can adopt.
- Share your findings with family and friends to encourage broader energy-saving habits.

## Resources

### Info Material: 25 Tips on saving Energy

[https://energiewechsel.de/KAENEF/Redaktion/DE/Publikation/Kampagne-Energiewechsel/flyer-energiewechsel-energiespartipps-en.pdf?\\_\\_blob=publicationFile&v=7](https://energiewechsel.de/KAENEF/Redaktion/DE/Publikation/Kampagne-Energiewechsel/flyer-energiewechsel-energiespartipps-en.pdf?__blob=publicationFile&v=7)

### Info Material: Quick tips to save energy

<https://energysavingtrust.org.uk/hub/quick-tips-to-save-energy/>

### Youtube Video :Save Energy, Save the Planet: Simple Home Adjustments

<https://www.youtube.com/watch?v=4zq84GQTOf4>

### Youtube Video:Global Energy Demand

<https://www.youtube.com/watch?v=-RSrviqvAm4>

### Tracking Chart

[https://drive.google.com/file/d/139m31Wdqtp9IIWXmBsH5tcsyTFI8Xliq/view?usp=drive\\_link](https://drive.google.com/file/d/139m31Wdqtp9IIWXmBsH5tcsyTFI8Xliq/view?usp=drive_link)



# Evaluation

## Quiz Questions

**1. Which of the following activities uses the most energy at home?**

- a) Charging a mobile phone
- b) Watching TV for 1 hour
- c) Using an electric oven for 1 hour
- d) Turning on an LED light for 5 hours

**2. Which of these appliances consumes the least energy?**

- a) A refrigerator
- b) A washing machine
- c) A laptop
- d) An air conditioner

**3. What is the benefit of using LED light bulbs instead of traditional bulbs?**

- a) They consume more energy
- b) They last longer and use less energy
- c) They make rooms hotter
- d) They are only available in one color

**5. Which of the following actions can help save energy?**

- a) Washing clothes in cold water instead of hot water
- b) Leaving the refrigerator door open while deciding what to eat
- c) Using a desktop computer instead of a laptop
- d) Keeping the heating on when windows are open

**5. Which device typically uses the most energy in a home?**

- a) A toaster
- b) A hairdryer
- c) A refrigerator
- d) A microwave

## Answers:

1. c | 2. c | 3. b | 4. a | 5. c



# Discussion Questions

## 1 Questions

### **What are some small, easy habits that can help save energy at home?**

Turning off lights when leaving a room, unplugging devices when not in use, using energy-efficient bulbs, washing clothes in cold water, and limiting heating and air conditioning use.

## 2 Questions

### **What are some cultural differences in energy consumption habits?**

Some cultures prioritize energy conservation through habits like air-drying clothes instead of using dryers, using minimal heating, or relying on public transport instead of personal cars. In contrast, other regions may have higher energy use due to lifestyle differences, infrastructure, or climate needs.





# Tool 5

## Cultural Integration through Green Skill Development



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# Eco-Action Cleanup: Community Waste Collection & Sustainability Awareness

**When to use it?** This activity is ideal for community-building events, environmental awareness programs, youth leadership workshops, or school-based eco-initiatives. It works well in both urban and rural settings where waste management is a challenge or where promoting a sustainable mindset is needed.

**Activity Type** Offline (outdoor group activity)

**Target Group**

- Youth (13–30 years)
- Community leaders & activists
- School or university students
- Migrant and local communities seeking to promoting environmental collaboration

**Skills Addressed**

- Teamwork & leadership
- Environmental responsibility
- Problem-solving & critical thinking
- Intercultural communication
- Practical green skills (sorting waste, upcycling awareness)

**Materials Needed**

Biodegradable or reusable gloves

- Recyclable trash bags (different colors for waste separation)
- Tongs or grabbers for safe waste collection
- Eco-friendly signage (to raise awareness about recycling)
- Clipboards or mobile devices for documenting findings
- Rewards (certificates or small eco-friendly gifts to recognize participation)



# Eco-Action Cleanup: Community Waste Collection & Sustainability Awareness

## Description

This activity combines hands-on environmental action with community engagement by organizing a waste collection event in a public space (e.g., parks, riverbanks, streets). Participants will not only clean up the area but also analyze the types of waste they find, discuss recycling and waste reduction strategies, and reflect on cultural approaches to environmental sustainability.

## How to use it?

1. Introduction & Briefing (15 min)
  - Explain the purpose of the activity and the importance of keeping our environment clean.
  - Assign teams and distribute eco-friendly materials.
  - Provide safety guidelines and waste separation instructions.
2. Cleanup & Documentation (45–60 min)
  - Teams collect waste in designated zones, separating recyclables from general waste.
  - Participants document types of waste found (plastic, metal, organic, etc.).
3. Reflection & Discussion (30 min)
  - Gather the group and discuss findings.
  - Compare cultural attitudes towards waste and recycling in different countries.
  - Encourage participants to share eco-friendly habits from their backgrounds.
4. Creative Awareness Campaign (Optional)
  - Have participants create posters, short videos, or social media posts to spread awareness about waste reduction and sustainability.

## Tips for Learners

- Be mindful of safety—use gloves and avoid hazardous waste.
- Work as a team and encourage collaboration.
- Discuss the impact of waste on ecosystems and local communities.
- Think of creative solutions—what can be reused, repurposed, or upcycled?
- Share your cultural perspectives—how does your community deal with waste?



# Recommendations about the tool:

## Articles & Guides

- UNESCO: Education for Sustainable Development – Provides frameworks and best practices for integrating sustainability education.  
<https://en.unesco.org/themes/education-sustainable-development>
- Zero Waste Europe – Guides on waste management, circular economy, and grassroots initiatives.  
<https://zerowasteurope.eu/>
- World Cleanup Day Reports – Case studies and impact reports from past global cleanup movements.  
<https://www.worldcleanupday.org/resources>
- Environmental Education in Schools (EPA) – U.S. Environmental Protection Agency's toolkit for integrating waste reduction education.  
<https://www.epa.gov/education>

## Videos & Documentaries

- The Story of Stuff – Engaging animated explainer about consumerism and waste.  
<https://www.youtube.com/watch?v=9GorqoigqM>
- Let's Do It World Cleanup Day Video – An overview of the global impact of waste collection movements.  
[https://www.youtube.com/watch?v=BLpVF\\_81frw](https://www.youtube.com/watch?v=BLpVF_81frw)
- Zero Waste Lifestyle TED Talk – Practical steps for reducing personal waste.  
<https://www.youtube.com/watch?v=pF72px2R3Hg>
- The Circular Economy: Rethinking Progress – A short explainer on how circular economies can help reduce waste.  
<https://www.youtube.com/watch?v=zCRKvDyyHml>
- Recycling Myths Busted – A breakdown of common recycling misconceptions.  
<https://www.youtube.com/watch?v=cg04WkN8B04>

## Interactive Tools & Resources

- Earth School by TED-Ed & UNEP – Free courses on sustainability and environmental action.  
<https://edted.com/earth-school>
- The Plastic Free Challenge – A gamified approach to reducing waste.  
<https://plasticfree.ecochallenge.org/>
- Google Earth's Timelapse – Visualizes environmental change over time.  
<https://earthengine.google.com/timelapse/>
- UN SDG Learning Platform – Free courses on sustainable development topics.  
<https://sdgacademy.org/>



# Evaluation

## Post-Activity Quiz: Waste Awareness & Sustainability

**1. On average, how much waste is generated globally every day?**

- a) About 1 million tons
- b) About 5 million tons
- c) About 10 million tons
- d) More than 15 million tons

✓ **Correct Answer:** d) More than 15 million tons

**2. In some cultures, waste separation is a mandatory practice, while in others, it is rarely enforced. What is one major barrier preventing global adoption of proper waste segregation?**

- a) Lack of interest among citizens
- b) High costs and lack of infrastructure in some regions
- c) A universal recycling system that works for all cultures already exists
- d) Landfills are a more sustainable solution than waste segregation

✓ **Correct Answer:** b) High costs and lack of infrastructure in some regions

**3. Certain traditional or indigenous communities have long practiced sustainable waste management before modern recycling systems were introduced. Which of the following is an example of this?**

- a) The use of banana leaves instead of plastic plates in some Asian cultures
- b) Dumping organic waste into water bodies to fertilize fish populations
- c) Exporting waste to other countries for processing
- d) Burning waste to produce smoke-based insect repellents

✓ **Correct Answer:** a) The use of banana leaves instead of plastic plates in some Asian cultures

**4. Which of the following materials is NOT recyclable?**

- a) Glass
- b) Plastic bottles
- c) Food waste
- d) Paper

✓ **Correct Answer:** c) Food waste

**5. If you wanted to reduce your personal waste footprint starting today, what is the most practical first step you could take?**

- a) Conducting a waste audit to understand how much and what kind of waste you produce
- b) Waiting for businesses and governments to implement stricter waste policies
- c) Throwing away less trash but making no changes to consumption habits
- d) Buying more plastic items to recycle them later

✓ **Correct Answer:** a) Conducting a waste audit to understand how much and what kind of waste you produce



# Discussion Questions

## 1 Questions

**How do different cultural traditions influence waste habits? Are there traditional waste reduction methods from your country that could be applied globally?**

What kind of products could be made by combining cultural heritage with upcycling techniques?

## 2 Questions

**Eco-anxiety (the stress caused by environmental concerns) is growing among young people worldwide. Do you think awareness campaigns are enough to bring about change, or do governments and industries need to take bigger steps? How can cultural and grassroots movements help?**

While awareness campaigns help educate people about environmental issues, they often do not lead to large-scale systemic change unless policies and corporate actions follow. Governments must enforce stricter waste regulations, and industries need to adopt sustainable production practices to reduce environmental harm. At the same time, grassroots movements and cultural initiatives—such as local cleanup drives, community-led recycling programs, and eco-friendly traditional practices—can pressure decision-makers and encourage behavioral change at the societal level.





# Tool 6

Cultural Integration  
through the use of  
minimisation



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# Zero Waste Across Cultures

## When to use it?

- Community engagement programs
- Intercultural events
- Environmental awareness workshops
- Youth camps and school sustainability projects

## Activity Type

Offline (hands-on group activity with discussion)

## Target Group

- Young people (15–30 years)
- Community leaders
- Migrants and locals working together on sustainability

## Skills Addressed

- Environmental awareness and sustainable consumption
- Intercultural communication and teamwork
- Creativity in upcycling and waste reduction
- Problem-solving and critical thinking

## Materials Needed

- Reusable or recycled materials for presentations (e.g., cardboard, fabric scraps, paper)
- Markers, pens, and sticky notes for brainstorming and group discussions
- Printed or digital examples of cultural waste minimization practices (optional)
- Reusable or upcycled items that participants can showcase or demonstrate (e.g., cloth shopping bags, glass jars, repurposed containers)
- Compostable or biodegradable materials for hands-on activities (if including a composting demonstration)
- Projector or flipchart for group presentations (if available)
- Reference materials or access to the internet for cultural research (if the event allows)



# Zero Waste Across Cultures

**Description** Participants will explore how different cultures practice waste minimization and apply these ideas to reduce their own waste production. They will work in small groups, each assigned a different cultural tradition related to waste reduction (e.g., Japanese “mottainai” philosophy, Mediterranean zero-waste markets, indigenous composting techniques). Each group will brainstorm how to adapt these practices to modern life and create an interactive presentation or a hands-on demonstration.

## How to use it?

### Introduction & Group Formation (15 min)

- Briefly discuss how waste is minimized in different cultures.
- Divide participants into small groups and assign each one a different cultural waste reduction method (you can provide examples or let them research).

### Cultural Research & Brainstorming (30 min)

- Groups discuss the waste minimization practice they were assigned.
- They explore how it can be adapted to modern life and create an interactive way to present it (poster, demonstration, short skit, video, etc.).

### Presentation & Hands-on Demonstration (30 min)

- Each group presents their findings to the larger group in an engaging format (e.g., showcasing reusable packaging alternatives, demonstrating upcycling methods).
- Participants discuss which practices could be adopted in their own lives.

### Reflection & Discussion (15 min)

- Ask: What did you learn about waste reduction from different cultures?
- Discuss: Which of these methods would be easiest to integrate into daily life?
- Encourage: Participants to share personal stories or cultural practices related to sustainability.

### Examples of Cultural Waste Reduction Practices

- Japan – Mottainai (the philosophy of avoiding waste and valuing resources)
- Turkey – Reusable cloth bags and pazar filesi culture instead of plastic bags
- Mediterranean – Zero-waste farmer’s markets and bulk buying
- Indigenous Communities – Natural composting techniques using food scraps
- Nordic Countries – Second-hand culture and repair cafés for clothing

## Tips for Learners

- Think about how these traditional methods can be used in modern urban settings.
- Compare waste reduction habits from your own cultural background.
- Find one personal change you can make to minimize waste.



# Recommendations about the tool:

## Articles & Reports:

- UNEP – Sustainable Consumption and Production  
<https://www.unep.org/explore-topics/resource-efficiency>
- Zero Waste Cities – Case Studies from Around the World  
<https://zerowastecities.eu/>
- Japan's Mottainai Concept: A Cultural Approach to Waste Reduction  
<https://www.nippon.com/en/views/b07507/>
- Circular Economy and Traditional Knowledge  
<https://ellenmacarthurfoundation.org/topics/cities/overview>
- The Role of Cultural Values in Waste Reduction  
<https://www.mdpi.com/journal/sustainability>

## Videos & Documentaries:

- The Story of Stuff (YouTube, 21 min)  
<https://www.youtube.com/watch?v=9GorqroiggM>
- How Japan Manages to Recycle 80% of Its Plastic Waste (YouTube, 11 min)  
<https://www.youtube.com/watch?v=lKyblYbZAnU>
- How Indigenous Knowledge Can Help Save the Planet (TED Talk, 14 min)  
[https://www.ted.com/talks/hindou\\_oumarou\\_ibrahim\\_indigenous\\_knowledge\\_meets\\_science\\_to\\_help\\_the\\_planet](https://www.ted.com/talks/hindou_oumarou_ibrahim_indigenous_knowledge_meets_science_to_help_the_planet)
- The Circular Economy Explained (YouTube, 8 min)  
<https://www.youtube.com/watch?v=zCRKvDyyHml>
- Wasted! The Story of Food Waste (Documentary, 2017, 85 min)  
<https://www.amazon.com/WASTED-Story-Food-Anthony-Bourdain/dp/B07658RJ6P>



# Evaluation

## Post-Activity Quiz: Waste Minimization

### 1. What is the 4R Principle in Waste Management?

- a) Reduce, Recycle, Refuse, Remake
- b) Refuse, Reduce, Reuse, Recycle
- c) Repair, Reuse, Recycle, Reduce
- d) Replace, Recycle, Remove, Reuse

✓ **Correct Answer:** b) Refuse, Reduce, Reuse, Recycle

### 2. Why is waste minimization more effective than just recycling?

- a) Recycling still requires energy and resources, while minimization prevents waste from being created in the first place
- b) Recycling is not helpful in reducing environmental damage
- c) Waste minimization does not work in developed countries
- d) Recycling is always better than any form of waste reduction

✓ **Correct Answer:** a) Recycling still requires energy and resources, while minimization prevents waste from being created in the first place

### 3. What percentage of global waste could be reduced through better waste minimization practices?

- a) 10%
- b) 25%
- c) 50%
- d) 75%

✓ **Correct Answer:** c) 50%

### 4. Which of the following is the most effective way for cities to reduce landfill waste?

- a) Implementing strict recycling and composting programs
- b) Expanding landfill areas to accommodate more waste
- c) Shipping waste to other countries for disposal
- d) Banning all forms of waste production

✓ **Correct Answer:** a) Implementing strict recycling and composting programs

### 5. By 2050, global waste generation is expected to increase by what percentage compared to current levels?

- a) 10%
- b) 30%
- c) 50%
- d) 70%

✓ **Correct Answer:** d) 70%



# Discussion Questions

## 1 Questions

**What are the biggest personal challenges in practicing waste minimization, and how can individuals overcome them?**

At a personal level, many people struggle with waste minimization due to factors such as limited access to sustainable products, the higher cost of eco-friendly alternatives, and ingrained habits of convenience (e.g., relying on single-use plastics). Cultural and economic differences also play a role, as some societies encourage waste-conscious behavior while others prioritize fast consumption. This discussion helps participants identify the specific challenges they face and brainstorm realistic, practical solutions, such as making small changes in consumption, finding local sustainability initiatives, or supporting businesses that prioritize waste reduction.

## 2 Questions

**How can governments and industries take responsibility for waste minimization instead of putting the burden on consumers?**

Although individuals are often encouraged to reduce waste, governments and industries are responsible for the majority of waste production through unsustainable practices, such as excessive packaging, planned obsolescence, and a lack of circular economy policies. This discussion explores ways to shift responsibility by implementing stronger regulations, corporate waste reduction strategies, and incentive programs that encourage companies to design sustainable products. Participants can discuss how public pressure, grassroots activism, and policy changes can push for systemic waste reduction beyond individual action.





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