

Waste management plan in schools

Healthy or Polluted Environment!
2022-1-EE01-KA21-SCH-000082702

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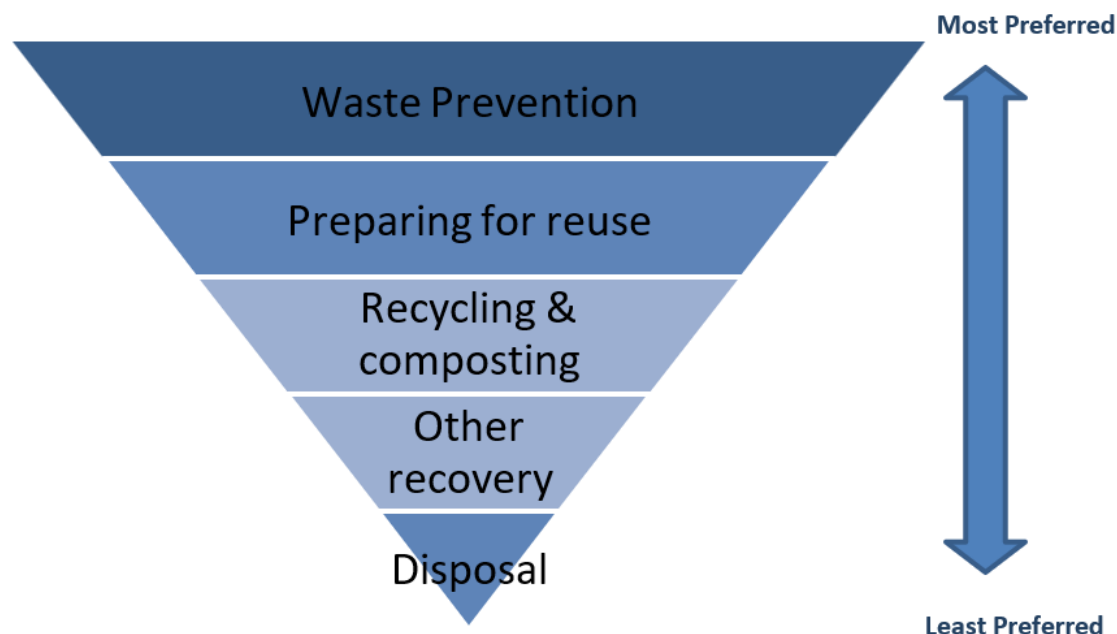
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Introduction

This guide is designed to provide some information regarding waste management and recycling for schools. The intention of this guide is to explain the waste hierarchy in more detail all waste and recycling activities, as well as providing some practical advice surrounding waste minimization.

Understanding the waste hierarchy

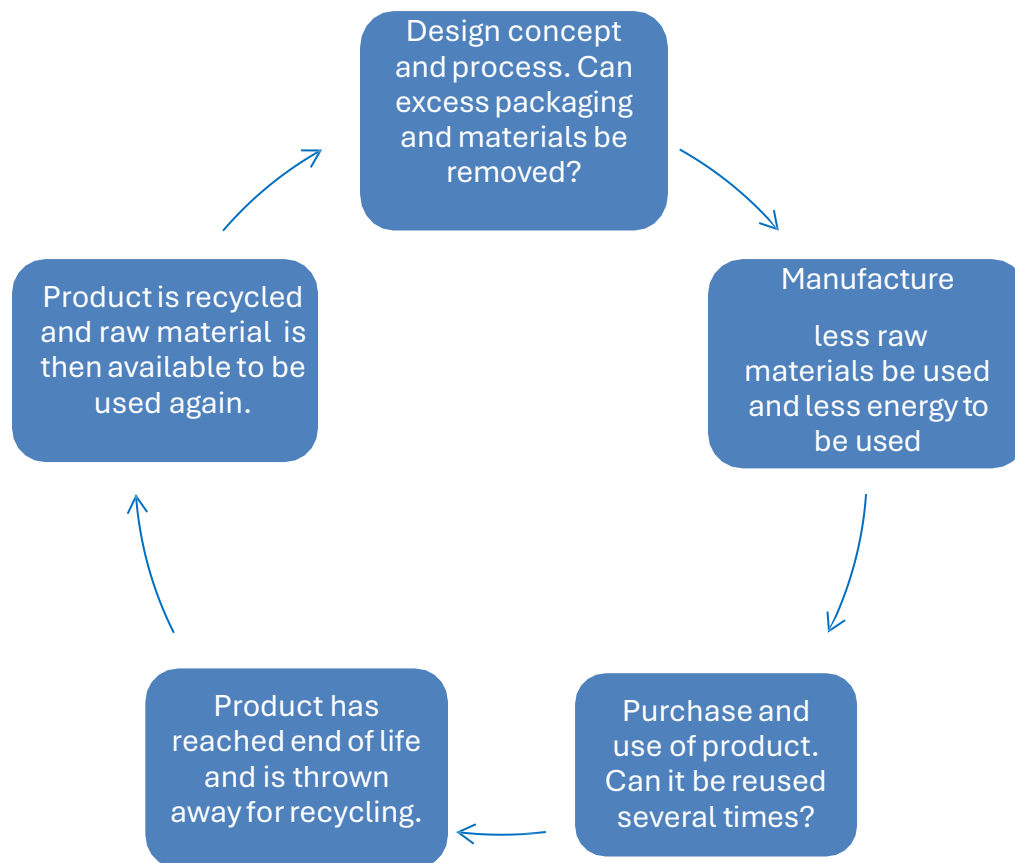
The waste hierarchy highlights the preferred management of waste based on the potential environmental impact of each option. The aim is to move the management of waste up the waste hierarchy with the optimum solution being to prevent the waste being generated in the first instance.



Waste Prevention

Waste Prevention is about using fewer materials in design and manufacture by using a closed loop process. This means that products which are designed, can be kept for longer, can be reused and ultimately recycled into a new product.

Closed Loop Process



Preparing for reuse

Reuse is checking, cleaning, repairing, refurbishing whole items or spare parts and then using them again.

If we cannot use them, are there other outlets that would benefit from having these items

(i.e. donating to local charities, community groups etc.)

Recycling and Composting

Recycling is turning waste into new substances or products. This includes composting if the resulting product meets quality protocols. You can create a gardening club, where teach students how to compost.

To actively promote recycling, make sure that there are recycling facilities and that these are easily visible and accessible for students and staff.

What you can do in schools to reduce and recycle waste

Minimize and reduce the amount of waste generated at source and facilitate repair, reuse and recycling rather than disposal of waste.

Promote environmental awareness to increase and encourage waste minimization, reuse and recycling and provide appropriate training for staff, students, and other stakeholders on waste management issues.

If you have an eco-team, then this is something that they can explore and relay the information to their peers.

Implement a scheme where there are internal recycling bins available within the school building to enable segregation of recyclable materials.

Look at how things are purchased – do you really need it?

Rethink Waste Action Plan

Step 1. Waste audit

The waste audit results will highlight the areas you should focus on. Perhaps the results show an alarming amount of paper. Perhaps the results show that a disproportionately large quantity of food and garden waste is sent to landfills. Whatever the

Step 2. Communication plan

Involve all stakeholders in the school in this environmental plan, from pupils, teachers, parents and organize events where they can work together to put it into practice.

Step 3. Bins: special signs and colors

Using coordinating bins (with special colors and signs) increases recycling and permanent reinforcement and color associations.



Step 4. Goals

Setting goals is important. Goals help you to define what you want to achieve, and how to get there. Goals should be specific and measurable: for example, reduce food waste by 50% until June 2024.

Examples of Waste Management Activities

in Izmir (Turkey), Antalya (Turkey), Narva (Estonia) and Bucharest (Romania)

1. 15 TEMMUZ ŞEHİTLER ANATOLIAN HIGH SCHOOL, İZMİR- TÜRKİYE

- One of our classes prepared posters to take attention to the environmental problems, especially to the waste.

Here is the link for posters exhibition:

<https://www.emaze.com/@ALLZLCRIL/her-admda-evre-poster-sergisi>

- A selection of some posters can be seen bellow:



BERK C.



EMIR E.



**MEHMET
EREN K.**



NEHIR D.



BÜŞRA A.



YAĞIZ A.



REYHAN T.



YUSUF
EMIR S.



ERAY Ç.

- We invited a specialist from Karşıyaka District Municipality and had a “Zero Waste” seminar on February 27,2024. All 9th graders attended that seminar (around 170 students)



- We designed a corner at school to raise awareness about waste.



(We tried to depict the arising of the Earth from the waste)

- We put recycling bins on each floor at school.



- We created some funny recycle bins to take attention more.





- We created games to foster students' waste management skills. They did plogging and separated the waste they collected in the end. In this way, they both enjoyed and revised recycling. Watch the video below:

<https://youtube.com/shorts/xKE8z6Hg7ZY?feature=share>

- We did upcycling and had a tiny exhibition.



- We used waste to make art.



2. DR. İLHAMİ TANKUT ANADOLU LİSESİ ANTALYA-TÜRKİYE

As Dr. İlhami Tankut Anadolu Lisesi, we both teachers and students do some activities at school.

- For awareness we prepared a waste plastic area in our school. At school entrance hall between two columns students scratched and made an area where they collect plastic waste and bottles that they throw as basket. So, they both play basketball and collect waste. Then we will send them to local municipality so that the authorities of municipality will buy wheelchairs for disabled people in need and donate them.



Our goal is to emphasize the significance of recycling waste plastic and reducing plastic usage and also solidarity.



<https://youtube.com/shorts/3lbRxjVKYcY?feature=share>





- Our students created a visual representation of the effects of waste on environment through poster making and art activities by hand.



- One of our students designed a model dress made by plastic waste and got first prize by governorship in a competition about awareness of waste.



- We organized a tree planting day in our school and both teachers and students plant trees that were brought by provincial directorate of agriculture in our garden.



3. Narva Soldino Kool, Estonia

At Narva Soldino Kool there are several directions in which the school is looking after the environment:

1. The school uses 4 school recycling bins in order to teach and encourage proper sorting at school. The waste is separated into 4 categories: organic waste, paper, metal and electronic waste.



2. Secondly, the school creates crafts from recycled materials as in the photos:



3. And to reduce using plastic bottles, in the school there is a drinking water fountain:



4. National University of Science and Technology Politehnica Bucharest, Romania

The University has an Environmental Sustainability Campus Engagement Group who is developing the communications needed to deliver its objectives. We commit to achieving carbon neutrality by 2040 and to becoming zero-waste by 2035.

Becoming zero-waste will be done through bolstering education initiatives, and implementing changes in the campuses' infrastructure, supply chain and waste collection programs.

Achieving carbon neutrality means that POLITEHNICA Bucharest reaches net-zero greenhouse gas emissions by completing a series of key actions like largescale energy transformations, electrification of the University vehicle fleet.

- One of the objectives we pursue is to offer our students the opportunity to get involved in activities that, complementary to the range of academic benefits they have access to, contribute to their development and training as active people involved in society.
- Through volunteering programs carried out by our numerous student organizations, our students can connect with other members of the community and make the environment in which they live a better place.



- We protect and enhance the ecosystem and green spaces our University owns, manages, or impacts, in order to enhance regional biodiversity and personal well-being of staff and students.
- In the last years, 1500 trees and shrubs were planted, and we aim to raise the green coverage from 60% to 75% of the total area. We have also built green houses where we grow vegetables and flowers.
- The fresh vegetables are used in our student restaurants and canteens, and the flowers are replanted in the campus. Volunteer students from all faculties participate in the planting and growing of the plants.

