

Towards zero waste production



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Activity No. 1

Part of the lesson: **EVOCATION**

The aim of the activity: Motivation to the topic of waste problem.

Step 1

Brief description of the activity:

We introduce pupils the card for signatures (Annex 1) and provide them with the instructions:

Instruction (what you need to tell the students):

Take a card, each of you. Your task is to collect the signatures of those pupils who meet the criteria written on the card. One pupil can sign several times (5x max). Those of you, who will have all the signatures collected, sit down on their place.

Step 2

Brief description of the activity:

Discuss with the pupils.

Instruction (what you need to tell the students):

1. Which fields on the card were the easiest to fill in? Why do you think it was easy?
2. Which, in the opposite, were difficult to fill in?
3. What did all the fields have in common?

Tools for the exercise (everything you need to take to the classroom): Card for collecting the signatures for each pupil (Annex 1), pens

Estimated time (max. 40 min.): 10 minutes

Notes: Teachers can adjust the cards according to their needs.

Activity No. 2

The aim of the activity: Appreciation of the topic of the waste production, leading to zero waste, consciousness of the impact of individuals on the waste production.

Step 1

Brief description of the activity:

Choose the text for your students (relevant for their age) about the ways how to reduce the waste at home - from the internet pages, for example:

<http://www.keeperofthehome.org/2010/03/29-ways-to-reduce-waste-in-your-home-and-save-money-while-youre-at-it.html>

<http://156.98.19.245/home/>

Instruction (what you need to tell the students):

Read the text. If there is anything you don't understand, please ask.

Step 2

Brief description of the activity:

Divide the pupils into two groups. One group has to write down as many activities/ideas leading towards zero waste production as possible. The other group does the opposite – writes down all the activities leading to waste production. (Annex 2)

Instruction (what you need to tell the students):

Divide into two groups. One group has to write down on a poster activities/ideas leading towards zero waste production. You can also mention the aspects that could motivate people to produce less waste. The other group do the opposite – write down all the activities leading to waste production. (Annex 2)

Step 3

Brief description of the activity:

Pupils present their ideas. Discussion.

Instruction (what you need to tell the students):

Think:

What do we do to minimize the waste production? What do we do to increase the waste production?

Tools for the exercise (everything you need to take to the classroom): Notebooks, internet, posters/flip papers, markers, Annex 2

Estimated time (max. 40 min.): 20 minutes

Notes: If the class is bigger, in STEP 2 you can divide pupils into more groups.

Part of the lesson:
APPRECIATION

Activity No. 3

Part of the lesson:
REFLECTION

The aim of the activity: Practical application of the knowledge.

Step 1

Brief description of the activity:

Pupils in the groups choose one concrete wasted object (it is possible to also choose from the objects listed on a paper, but working with the real objects is more effective). Their task will be to think about as many possible ways of further use of the object as possible. They can write their ideas down or draw. For inspiration, teacher can show pupils the images of wasted things, further used in creative ways. Teacher finalizes the activity with a discussion on whether pupils re-use the things at home or whether they can think of producing or renewing any concrete thing.

Instruction (what you need to tell the students):

Divide into groups of 4 pupils in each. Each group receives one object. Your task is to think about as many possible ways of use of the object as possible, in order not to be wasted. You can write your ideas on a paper or draw them.

Step 2

Brief description of the activity:

Teacher projects on the interactive board some objects/things made of wasted material as an example (Annex 3). Pupils in the groups present their own ideas related to re-use of the concrete objects.

Instruction (what you need to tell the students):

Present your ideas and the other groups may add their own, that were not presented yet.

Tools for the exercise (everything you need to take to the classroom): Cards with various kinds of waste pictured, or concrete objects, for example: PET bottle, old T- shirt, can, egg holder,

...

Pens, pencils, papers, Annex 3

Estimated time (max. 40 min.): 10 minutes

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Annex 1 - Cards for signatures collecting

Get the signature of someone, who:			
...has a TV in her/his room	...goes shopping in second hand	...knows how long does the paper decompose in nature	...has ever thrown away his/her nosh (food)
...regularly separates the waste	...knows how long does the banana peel decompose in nature	...visits a library	...buys a new clothes at least once in a two weeks
...watches whether the goods are packed in recyclable wrapping	... is composting	...wore the older cloth after someone from the family	...has ever seen a black dump
...uses plastic bags when shopping	...knows how to recycle the paper	...has a new mobile phone at least once a year	...prefers water from the water pipes rather than the bottled water
...has a message written on a post box: „do not put in the leaflets“	...always uses both sides of a paper	...prefers bigger packs of goods and concentrates	...buys BIO products

Annex 2 - Table – Brainstorming

1. group

2. group

<p>What helps the zero waste production? What do I do to minimize the waste production?</p>	<p>What increases waste production? What do I do to support the waste production?</p>
do shopping in second - hand	use of plastic bags when shopping

Annex 3

Images helping to imagine the possible re-use of wasted objects/things



NOTES