



Making Learning Fun and Ecological

Module: Eco design

Lesson: Term and need of eco design

Activity: Recognizing good and bad product practices ("Product cards")

Lead In:

Classroom
Online platform

Duration:

The given time depends on the dynamic of the educator and structure of the participants.

Recommendation:

25-30 minutes

It can be used as only curriculum-based, as well as an activity out of the classroom.

Aim:

Getting to know the term and the need of eco design

Recognizing the basic principles and phases of eco design (for example, resources frame – manufacturing – design – consumer)

Develop a discussion about the impact of certain products on the environment

Type of activity:

Powerpoint presentation

Watching a video

Work in groups – recognizing good or bad product practices

Group number:

Individual or group work, in groups of 5 participants per group

Recommended age: 15 +

Instructions:

For the educator:

Introductory part:

1. Starting with introduction for the topic, with emphasis on the need of eco design, as well as recognizing the basic principles and phases of eco design, through sharing of a PPT in attachment. There is a discussion in order to present to the users an eco-designed product.
2. Then, for better capturing of the meaning of the theoretical learning, the educator shares a video.

Description of the activity:

1. The educator presents cards with products and then separates the participants in

groups. For each of the products, the participants should think, and then insert them to a table with the following points: positive and negative influence on the environment, as well as possibilities for improvement.

2. After finishing the task, the educator shows the back side of the cards, and this side contains the products' facts.

For the user/ interested participants:

1. Read the presentation and additional get information of the useful links, provided below.
2. Look at the video given also as part of the presentation.
3. Browse through the suggested products, think about their influence on the environment and insert them in the table/chart.

Key words:

Eco design

Term for eco design

Principles of eco design

Eco design steps

How to make an eco-designed product

Eco product/ Ecological products

Materials, equipment:

Computer

Projector

A3/ A4 paper format (paper amount depends in accordance with the number of teams that you determine finally)

Pens, pencils

Internet

References:

https://www.youtube.com/watch?v=_Zt9UxsEnPc&feature=emb_logo

D. S. Anita Grozdanov (2019) Manual for implementation of the training for Sustainability advisor

For visual materials:

<https://www.gq-magazine.co.uk/gallery/best-eco-friendly-toothbrush-uk>

<https://www.hobbyland.co.nz/products/post-it-recycled-notes-yellow-653-rp-100-sheet-pads-36mmx48mm-pack-of-12>

<https://www.trendhunter.com/trends/plastic-whale>

<https://www.prozis.com/us/us/prozis/ray-led-table-lamp-wireless-charger>

Other useful sources:

<https://youmatter.world/en/definition/definition-eco-design-examples-definition/>

<https://www.mamaisonrevol.com/what-does-eco-design-mean/>

<https://www.sciencedirect.com/topics/engineering/ecodesign>

https://www.researchgate.net/publication/282797029_THE_MEANING_OF_ECO-DESIGN_PROCESSES_FOR_LOGISTICS_MANAGEMENT_OF_DEFECTIVE_PRODUCTS

<https://www.smartservicedesign.com/methods/product-character/>

<https://www.tgdesign.co.nz/article/5-basic-types-of-promotion>

Annexes:

1. PowerPoint Presentation

2. Video

https://www.youtube.com/watch?v=_Zt9UxsEnPc&feature=emb_logo

3. Product cards ready to be printed out or on online form

4. Table for inserting basic characteristics of the products

