



Making Learning Fun and Ecological

Module: Eco design

Lesson: Eco data

Activity: Check list for making a concept of eco designed product

Lead In:

Classroom
Online platform

Duration:

The attached activities seek more attention and duration for realizing them. Since it is about producing a concept for eco-designed product, it can be as a homework-individual/team, or as a multi-class school activity.

Aim:

Knowing the eco-properties of the materials for manufacturing
Usage of eco-data
Encouraging the entrepreneurship spirit in the sense of creating eco-designed products
Developing a discussion and at the same time, skills for making concepts for eco-designed products

Type of activity:

Power point presentation
Watching a video
Creating a concept for eco-designed product through a checklist and tool "ecolizer"

Group number:

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

Recommended age: 15-29

Instructions:

For the educator:

Introductory part:

1. The educator shares a presentation with the goal of basic learning about the meaning and usage of eco-data, as well as eco-properties of the materials in manufacturing.
2. Through a video are shared the good eco-practices of famous enterprises.

Description of the activity:

1.The pupils are divided in groups, with 5 pupils maximum per group, or they make a concept for eco-designed product individually. This activity can be part of a homework as well. The way of preparation is by choice of the pupils, but due to the ecological aspects, visual and technical aspects must be inserted too.

2. As far as preparation for the concept goes, they are following a checklist, given as annex section. All dilemmas are inserted in the field for notes and they are discussed with the team and/or educator.

Extra advice: They can use the second activity of this module – “circle analysis” for simplified concept creating for the product.

3. After the educator gives instructions and directions, the pupils check if their designed product is following eco-designed principles, through usage of the tool “ecolizer”

For the participant/interested persons

1. As a first step, we recommend following through with the presentation with the goal of basic learning about the meaning and usage of the eco data, as well as the eco-properties of the materials in manufacturing. Also, we share useful literature at the end of this document for further informing.

2. See the video in which good eco-practices are shown, and of famous enterprises too.

3. Prepare a short concept for an eco-designed product. Beside the ecological aspects, there should also be visual and technical aspects inserted too.

4. In regards to the preparation of the concept, follow the checklist given as annex section. All dilemmas are to be inserted in the field for notes, and further explored.

Extra advice: You can use the second activity of this module – “circle analysis” for simplified concept creating for the product.

5. Check if your designed product is following eco-designed principles, through usage of the tool “ecolizer”

Key words:

Eco data

Eco properties of materials

Eco product

Materials, equipment:

Computer

Projector

Pens, pencils

Sticky notes

Other materials needed for making of the product

References

https://www.youtube.com/watch?v=8r2BziT435A&feature=emb_logo

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

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

Other useful sources:

<https://www.ecolizer.be/>

https://en.wikipedia.org/wiki/European_Ecodesign_Directive#:~:text=The%20first%20Working%20Plan%20of,adopted%20on%2021%20October%202008

https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/ecodesign/transformers_en

<https://www.rehva.eu/eu-policy/eco-design-and-energy-labelling>

<https://www.sciencedirect.com/science/article/abs/pii/S2214993719300442>

Annexes:

1. Presentation

2. Video

https://www.youtube.com/watch?v=8r2BziT435A&feature=emb_logo and/ or

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

3. Check list for eco designed product

4. Description about using the “ecolizer”

