



Making Learning Fun and Ecological

Lesson: TAKE ACTION!

Activity: CUBE 1 gram CO₂ – TAKE ACTION!

Lead In:

Classroom

Virtual (zoom, teams, skype...)

Duration:

20 minutes

Aim:

- The connection between carbon footprint and climate change
- CO₂ emission and greenhouse gases
- Information on European Union CO₂ emission reduction measures
- Practical work – compose a cube to find

out how an individual can help to reduce CO₂ emission

- get to know what carbon footprint and climate changes are
- to get acquainted with the measures for reducing the carbon footprint on a practical example of rock bend
- to think about carbon footprint and climate changes and what to do differently

Type of activity:

Compose a cube and find the CO₂ emission reduction measures

Group number:

individual or group of max 3 people

Recommended age: 15 - 20

Instructions:

For the educator:

1. Start with an introduction to the topic – PowerPoint presentation – to explain climate changes and what is a greenhouse gas. The role of CO₂ emission in connection to greenhouse gas and climate change.
2. Introduction to the topic – article – climate change and greenhouse gases
2. Present some global measures for reducing CO₂ emissions.
4. For better theoretical learning, the educator shares a video (other useful sources)
5. The educator decides how to work – with groups or individuals.

For the user/ interested participants:

1. Read the short article and see the PowerPoint presentation with theory
2. For better understanding, user/participants can also watch the video or read articles
3. For instructions on how to assemble the cube – watch the video
4. Compose a cube and answer the questions on the cube
5. Consider possible measures at home – write it down and try to follow them.

Keywords:

Climate changes
Greenhouse gas
Measures for reducing the CO₂ emission
Find measures suitable for you/ your home/ friends...
Take action

Materials, equipment:

Pencil,
Printed cube; for real visualization should be the edge of the cube 8,5 cm

References:

Video for assemble the cube
https://www.youtube.com/watch?v=CHi__bJi7Qk&t=19s
https://ec.europa.eu/clima/policies/strategies/2030_en
<https://www.europedirectmaterita.it/reducing-carbon-emissions-eu-targets-and-measures/>
<https://climatechange.lta.org/get-started/learn/co2-methane-greenhouse-effect/>
<https://climatechange.lta.org/get-started/learn/co2-methane-greenhouse-effect/>
<https://www.europedirectmaterita.it/reducing-carbon-emissions-eu-targets-and-measures/>
<https://www.europarl.europa.eu/news/en/headlines/society/20180305ST099003/reducing-carbon-emissions-eu-targets-and-measures>

Other useful sources:

<https://www.youtube.com/watch?v=tfbi-o0A0bk>
<https://www.youtube.com/watch?v=zf74KGV0hm4>
<http://geologylearn.blogspot.com/2015/07/what-cause-global-warming-effect.html>
http://www.soest.hawaii.edu/mguidry/Unnamed_Site_2/Chapter%202/Chapter2B2.html
<https://www.unilever.com/sustainable-living/reducing-environmental-impact/greenhouse-gases/>

Annexes:

Cube for assemble
VIDEO: <https://www.youtube.com/watch?v=6nMVZWtcFHW>
Article
Powerpoint presentation

