



GREEN ACT: «Youth 'agents of change' on Climate Action and Environmental Sustainability»

Intellectual Output 1: GREEN ACT

COMPETENCE FRAMEWORK FOR INCREASING ENVIRONMENTAL AWARENESS AND RESPONSIBLE
BEHAVIOR



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Submission Number: 2020-3-RO01-KA205-094853

Learning Modules

MODULE 6: Climate Change & Our Sustainability

1. General description of the module

This module aims to address the adverse impacts of climate change on our planet. Learn how climate change negatively affects human health, what adaptation strategies can lessen the impacts, as well as how the European and international Agreements aim to fight it.

2. List of Topics:

Topic 1: Climate Effects on Health (or Climate Change: the biggest health threat)

Short description: *Air pollution, Noise pollution, Food security, Temperatures, Diseases by Vectors, Waterborne Diseases, Mental Disorders, and many more*

Climate change is arguably the greatest public health threat in a myriad of ways. Yet these impacts on health are still not well recognized and this topic aims to take a deep dive into these effects. Climate change-related weather extremes, such as heatwaves, storms and floods, lead to increased health issues, from mental ones to food-, water- and vector-borne diseases. Air pollution is undoubtedly closely related to climate change, as both can influence each other through complex interactions in the atmosphere. However, it is often that people are not aware of how noise pollution can be hazardous to our health in various ways as well.



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Topic 2: Natural Catastrophes (Global Warming, Droughts, Floods, Wildfires, etc.) *(or How can climate change affect natural disasters?)*

Short description:

The key driver of climate change is the greenhouse effect, where heat-trapping pollutants became a blanket wrapped around Earth, resulting in global warming. Global warming has devastating effects, such as droughts, floods, wildfires and other disasters, which can collectively be referred to as Climate Change. The current topic's goal is to address the differences between climate change, weather and global warming and how these can lead to natural catastrophes.

Topic 3: European/International Agreements to fight climate change (United Nations Framework Convention on Climate Change, Paris Agreement, EU 2030 Agenda) *(Together we can fight against Climate Change!)*

Short description:

United Nations Framework Convention on Climate Change (UNFCCC) is the parent agreement of the 2015 Paris Agreement, which mainly aims at climate-neutrality before the end of the century. In order to not exhaust what the planet can supply, climate action should be strongly linked with sustainability. One of the main aims of the 2030 Agenda is to ensure that the planet and its natural resources will be ensured for the current and next generations. Hence, this topic will focus on explaining and describing the European and International agreements and how they seek to fight climate change.

Topic 4: Examples of good practices *(Get inspired and innovate!)*

Short description:

As the need for climate action arose, the fourth topic of this module will provide good practices and initiatives carried out on both European and international levels, in order to raise awareness. This will be the tool to inspire learners to find innovative solutions to climate change. It is aimed to state good practices of different fields so that the interrelation of the impacts of climate change on different sectors of society is addressed, therefore, everyone needs to start taking action.



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MODULE 6: CLIMATE CHANGE & OUR SUSTAINABILITY					
		<p>KNOWLEDGE (In the context of EQF, knowledge is described as theoretical and/or factual) https://europa.eu/europas/en/european-qualifications-framework-efq https://europa.eu/europas/en/description-eight-efq-levels</p>	<p>SKILLS (In the context of EQF, skills are described as practical)</p>	<p>ATTITUDE (In the context of the EQF, attitude is described as the ability of the learner to apply knowledge and skills autonomously and with responsibility)</p>	<p>Activities/Lesson Plan</p>
<p>Topic 6.1:</p>	<p>Main Objectives:</p>	<ul style="list-style-type: none"> ● To understand how climate change can impact human health ● To know how noise pollution can impact human health 	<ul style="list-style-type: none"> ● To relate human health with climate change ● To explain how air and noise pollution is related to health issues for human 	<ul style="list-style-type: none"> ● To propose an initiative/campaign to raise awareness about air pollution and ways to reduce it ● To create a visual model that depicts the relationships between climate change and human health 	<p><i>Lesson plans 1- 4</i></p>



Topic 6.2:	Main Objectives:	<ul style="list-style-type: none"> ● To distinguish the difference between climate change, global warming and weather ● To understand how natural disasters are related to climate change 	<ul style="list-style-type: none"> ● To explain the differences between climate change, weather and global warming. ● To describe how human activities can lead to climate change 	<ul style="list-style-type: none"> ● To propose an experiment in order to identify the reasons for the sea-level rise ● To build on strengths in working with others on team activities/experiments 	<i>Lesson Plans 5 & 6</i>
Topic 6.3:	Main Objectives:	<ul style="list-style-type: none"> ● To outline the EU and International Agreements ● To know the idea behind these agreements and why they should be implemented nationally and internationally ● To differentiate what factors can shape and support more sustainable choices 	<ul style="list-style-type: none"> ● To explain the social and economic externalities of climate change ● To describe the benefits and drawbacks of current and projected climate policies, as well as the political dynamics that influence proposed changes 	<ul style="list-style-type: none"> ● To verify greenhouse gas emissions reported by other countries ● To develop a project or organization's complete emission reduction plan, in order to meet the agreements' standards ● To create appropriate national and international standards to track and report greenhouse gas emissions 	<i>Lesson Plans 7 - 9</i>



Topic 6.4:	Main Objectives:	<ul style="list-style-type: none"> ● To know different good practices related to climate action ● To understand how different fields can be affected by climate change 	<ul style="list-style-type: none"> ● To attempt solving a real-world problem ● To structure a methodology of a good case 	<ul style="list-style-type: none"> ● To develop their own ideas about rights and responsibilities now and in the future. ● To propose a sustainable and innovative case to combat climate change 	<i>Lesson Plans 10 - 13</i>
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