



Scenario 2: Types of natural disasters resulting from the intensification of climate change on Earth.

	During the lesson, students will learn about the synergy between the
the lesson	
1055011	phenomenon of climate change (which is often the result of the daily decisions
	of students and their families) and the consequences of this process affecting
	other communities.
Objectives of the	The objective of the classes is:
	- making students aware of the fact that decisions made at various levels of
Clusses	everyday life - national, self-governmental, local or personal, may have an
	impact on the intensification (or not) of climate change on earth and climate
	warming, and thus on changes in their everyday life the life and life of the
	community that do not influence these decisions (often living in other regions
	of the world).
Detailed objectives:	- Showing the relationship between decisions made at various levels of life
	(national, self-governmental, local or personal) on the living conditions of
	communities in different regions of the world.
	- Understanding how climate change - currently observed around the world -
	trigger the increase in the vulnerability of some areas of our globe to natural
	disasters.
-	On the basis of the proposed literature, the student knows and explains such
	concepts as:
	a) climatic feedback,
	b) critical points,
	c) is able to assign the causes of climate change and their effects on the life of
	local communities in different regions of the globe.
Method	The student becomes familiar with the text: climatic feedback
	- do we have influence on in?
	The teacher explains to the students what is meant by the so-called "butterfly
	effect".
	The teacher starts a discussion on the climate changes that are observed in the
	world - as a result of human activity.
	The teacher concludes the lesson by presenting the history of the sinking
	islands in the atolls.
	- length of the lesson: 45 minutes
· · · · · · · · · · · · · · · · · · ·	- Colorful cards.
	- Colored felt-tip pens.
	- Adhesive tape.
	- At home, students will get acquainted with the literature on the subject.
Course of the lesson	- At none, students will get acquainted with the interature on the subject. - On colorful cads, the teacher writes down, in a slogan manner, the individual
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	"feedback loops" (each separately) and the reasons for their formation.
	- During discussions, students attribute the cause and effect of climate feedback
	loops. "Pairs" of cards are stuck on the blackboard or wall with adhesive tape.
	- In the form of a discussion, students reflect on how at various decisive levels
	- the state, the city or the citizen - can eliminate the causes of these feedback
	loops.
	- At the end of the lesson, the teacher tells a story, for example, the sinking of
	islands in the atolls as a result of rising sea and ocean levels.
	Finally, the students take a photo of the exercise they have carried out. At
a	home, they gether more information on the affects of alimete feedback loops
-	home, they gather more information on the effects of climate feedback loops and their impact on rising sea and ocean levels in the world.

Bibliography	Kotowski W., Kardaś A., 2021, Klimatyczne sprzężenia zwrotne– czy mamy na nie wpływ?, [w:] Budziszewska M., Kardaś A., Bohdanowicz Z., (red.) "Klimatyczne ABC. Interdyscyplinarne podstawy współczesnej wiedzy o zmianie klimatu", Wydawnictwa Uniwersytetu Warszawskiego
	Kardaś A., Malinowski Sz., 2021, Od czego zależy temperatura Ziemi?, [w:] Budziszewska M., Kardaś A., Bohdanowicz Z., (red.) "Klimatyczne ABC. Interdyscyplinarne podstawy współczesnej wiedzy o zmianie klimatu", Wydawnictwa Uniwersytetu Warszawskiego
Online references	https://drive.google.com/file/d/1y6XGJ47W7vankJuTgWAPO7QNd4Ju8hvz/vi ew http://wuw.pl/data/include/cms//Klimatyczne_ABC_Budziszewska_M_Kardas _A_Bohdanowicz_Z_red_2021.pdf?v=1610369447685 (Lesson 1) https://naukaoklimacie.pl/aktualnosci/o-co-chodzi-z-progiem-wzrostu- temperatury-o-2c-61 https://naukaoklimacie.pl/aktualnosci/ziemia-stabilna-czy-cieplarniana-309 https://www.focus.pl/artykul/tonace-kraje