

SUBJECT AREAS:

Social sciences

ACTIVITY DESCRIPTION:

How a man managed to change the geography

OBJECTIVES:

- To learn how geography has changed during the years

MATERIALS:

Computers and internet access or cellphones

GRADE/LEVEL:

Secondary school (15-18)

DURATION:

Preparation time: 30 min.

Activity time: 45 min.

PLACE:

Classroom

AUTOR:

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Geographical changes due to climate change

INTRODUCTION:

During this lesson students will be able to see how the planet has changed in the years, caused by climate change with a big contribution of people.

BACKGROUND:

Procedure:

Outline: Geography is one of most interesting subjects for many students. But can geography of our planet change? Of course, with contribution of human beings and climate change our planet is changing constantly.

Introduction: Teacher will present to students the video about 37 years long change in which students will be able to see how climate change and man has contribute to this.

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

Formative assessment: After video is presented to the student, teacher can open a discussion about how rivers, lakes, landscape and others has changed and continues to change and what they think about it. How this can affect us and our planet and is there something that can be done to prevent these changes.

Guided practice: Students can be asked to do use Google Earth to explore how some of locations showed in video looks today and what changes they have noted.

Independent Practice: Ask students to find some other examples where the big changes have occurred in past 20-30 years, they should analyze it and write down what happened. This activity can be done in pair or small groups.

FUN FACTS:

- *Google Earth is software that generates virtual images of the Earth using satellite images obtained from remote sensing of the earth, aerial photographs and topographical data stored in a GIS platform. The program is distributed free of charge by the company Google.*

ASSESSMENT:

Assessment can be done throughout research, students can have a homework about changes in their countries or city where they live and with the help of Google Earth they can explore the changes that have occurred until today.

EVALUATION:

Students are tasked with writing down their own thinking about how they see the impact that humans have on geographic change, are these changes positive or negative and explain why they think this is so?