LESSON

Climate Change

Natural process or human intervention

**Teachers**: Aphrodite Efstratiou (Geography teacher) and Vaielike Maridaki (Ancient and new Greek teacher)

**Time**: 45min

**Level :** Intermediate

**OBJECTIVES- GOAL**

1. Understand the anthropogenic factors that influence climate change

2. Explore the causes of climate change

3. To recognize the dangers of climate change

4. Understand the necessity of using environmentally friendly forms of energy

5. To mobilize their creative thinking, critical ability and imagination

The ultimate **goal** of the lesson is young students with their own actions and practices to help preserve Europe's climatic conditions.

**Required materials and equipment: P.C** and projector

**Student grouping:** small groups

**Outline:** A) Investigating the problem

B) Suggestions for resolving the problem

**Procedure:** Investigating the problem

Initially, reference is made, to the current situation with regard to the average temperature of the planet and emphasis is placed on the need to keep this temperature rise below 20C

With appropriate questions, students are able to relate the rise in temperature to the increase in carbon dioxide concentration and the role of the greenhouse effect.

Then students are looking for human activities that disrupt the concentrations of carbon dioxide in the atmosphere.

As all interventions in the operation of a natural phenomenon have their consequences, so human intervention in the functioning of the greenhouse effect, often has devastating consequences for us.

Suggestions for resolving the problem

Students are aware of more environmentally friendly

forms of energy, than those offered by fossil fuel combustion.

Students are encouraged to adopt everyday life habits to save energy and reduce carbon dioxide emissions.

**WORKSEETS**

Finally students control their knowledge with three activities

1) Quiz

2) Crossword

3) Educational game ( the energy chain )