



TITLE OF YOUR LESSON :	TOPIC	Science/ environmental studies
Amiantos Mine in Cyprus	GRADE	Students age 10-12 years old
	DURATION	1 HOUR

DESCRIPTION OF THE LESSON:

The historical and environmental impact of Amiantos mine in the Mediterranean Island.

LEARNING OBJECTIVES	MATERIALS NEEDED
<p>By the end of the lesson students will be able to:</p> <ul style="list-style-type: none"> Describe the history and environmental impact of the Amiantos Mine in Cyprus. Analyze the effects of mining on the ecosystem and human health. Propose solutions to mitigate the environmental impact of mining activities. 	<ul style="list-style-type: none"> Power point presentation of information about the Amiantos Mine in Cyprus. Timeline of the history of Amiantos Mine. Paper and stationery supplies Pictures of the Mile Art supplies Images of the abandoned Mine side Cardboard Paper Glue markers

TITLE OF THE ACTIVITIES AND EXPECTED TIME NEEDED	DESCRIPTION OF THE ACTIVITY	MATERIALS NEEDED	EVALUATION
Introduction (5 min)	<ul style="list-style-type: none"> Start the lesson by asking students if they have heard of the Amiantos Mine in Cyprus. Explain that the mine was 	<ul style="list-style-type: none"> Power point presentation of information about the Amiantos Mine in Cyprus. 	No needed during the introduction

once the largest asbestos mine in the world and discuss the environmental and health impacts of mining activities.

- Show the Power Point Presentation about the Amiantos Mine.

Activity 1: History of Amiantos Mine (10 minutes)

- Divide students into small groups and provide them with a timeline of the history of the Amiantos Mine.
- Have each group research a specific time period in the mine's history and create a visual timeline to present to the class.
- Facilitate a class discussion on how mining activities have evolved over time and the impact on the environment.

- Timeline of the history of Amiantos Mine.
- Paper and stationery supplies
- Pictures of the Mile

- Evaluate students based on their participation in discussions and the accuracy of their timelines
- Provide feedback on their understanding of the Amiantos Mine history.

Activity 2: Environmental Impact of the Amiantos Mine (20 min)

- Show to the students, images of the abandoned mine site and discuss the environmental damage caused by mining activities.
- Divide students into pairs and have them research the effects of mining on the ecosystem and human health.
- Instruct students to create a presentation or poster highlighting the environmental impact of the Amiantos Mine.

- Images of the abandoned mine site
- Paper
- Art supplies

- Evaluate students based on their participation in discussions regarding the environmental damage caused by mining activities
- Provide feedback on their research concerning mining activities and their impact to human health and ecosystems

Activity 3: Solutions to Mitigate Environmental Impact (20 minutes)

- Discuss with students the importance of finding solutions to mitigate the environmental impact of mining activities.
- Have students brainstorm and discuss potential solutions to restore the ecosystem and protect human health.
- Encourage students to create a mock proposal for a restoration project at the Amiantos Mine site, including specific actions and timelines.

- Cardboard
- Paper
- Glue
- markers

- Evaluate students based on their participation in discussions regarding the environmental damage caused by mining activities
- Provide feedback on their proposals concerning the solutions to restore the ecosystem and protect human health.
- Evaluate their mock proposal based on their creativity and the accuracy of their ideas.

Conclusion (5 minutes)

- Wrap up the lesson by discussing the importance of responsible mining practices and the role of individuals in protecting the environment. Encourage students to think critically about the consequences of their actions and the impact on the natural world around them.

- Evaluate their critical thinking on the consequences of their actions and the impact on the natural world around them.