Δράση για την Αειφορία: Citizen Science, Ηθικά Διλήμματα και η Μέθοδος Jigsaw

Subject Area: Sustainability and Citizen Science
Unit Title: Δράση για την Αειφορία
Grade Level: 24-year-old Students
Lesson Number: 1 of 1

Duration: 120 minutes
Date: [Insert Date]
Teacher: [Insert Teacher's Name]
Room: [Insert Room Number]

Lesson Objectives

Objectives:

- To understand the concept of sustainability and the role of citizen science in addressing environmental challenges
- To develop critical thinking skills through the application of the 4 lenses of Brookfield
- To empower students to become active citizens, capable of contributing to sustainability efforts

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Lesson Introduction

Introduction:

Welcome to the lesson on Δράση για την Αειφορία: Citizen Science, Ηθικά Διλήμματα και η Μέθοδος Jigsaw. This lesson plan is designed to engage 24-year-old students in active citizenship, critical thinking, and decision-making through the exploration of sustainability, citizen science, and ethical dilemmas.

Activity 1: Icebreaker and Introduction

Activity 1:

- Introduce the topic of sustainability and citizen science
- Ask students to share their prior knowledge and experiences related to environmental issues
- Provide a brief overview of the lesson objectives and activities

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Overview of Sustainability and Citizen Science

Overview:

A concise presentation will provide an overview of sustainability, focusing on the role of citizen science in addressing environmental issues. This section will include examples of successful citizen science projects and their impact.

Activity 2: Presentation and Discussion

Activity 2:

- Present an overview of sustainability and citizen science
- Discuss the importance of community engagement in environmental decision-making
- Provide examples of successful citizen science projects

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Ethical Dilemmas in Sustainability

Ethical Dilemmas:

Students will be presented with case studies of ethical dilemmas related to sustainability. Using the 4 lenses of Brookfield, they will work in small groups to analyze these dilemmas, considering different perspectives and potential solutions.

Activity 3: Group Discussion and Analysis

Activity 3:

- Present case studies of ethical dilemmas related to sustainability
- Ask students to work in groups to analyze the dilemmas using the 4 lenses of Brookfield
- Encourage students to consider different perspectives and potential solutions

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Introduction to the Jigsaw Method

Jigsaw Method:

The Jigsaw method will be explained, and students will be assigned to groups. Each group member will be responsible for a different aspect of sustainability (e.g., renewable energy, conservation, sustainable consumption).

Activity 4: Jigsaw Method Introduction and Group Formation

Activity 4:

- Explain the Jigsaw method and its application in the lesson
- Assign students to groups and provide each group member with a different aspect of sustainability
- Ask students to become experts in their assigned topic

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Jigsaw Activity

Jigsaw Activity:

Students will work in their groups, with each member becoming an expert in their assigned topic. They will then teach their group members about their topic, ensuring all group members have a comprehensive understanding of the different aspects of sustainability.

Activity 5: Jigsaw Activity

Activity 5:

- Ask students to work in their groups to become experts in their assigned topic
- Have each group member teach their group members about their topic
- Encourage students to ask questions and clarify any doubts

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Conclusion and Action Plan

Conclusion:

The lesson will conclude with a reflection on what was learned. Students will discuss potential actions they can take as individuals and as a group to contribute to sustainability, applying the knowledge and skills acquired during the lesson.

Activity 6: Reflection and Action Plan

Activity 6:

- Ask students to reflect on what they learned during the lesson
- Discuss potential actions students can take to contribute to sustainability
- Encourage students to share their action plans and provide feedback

Assessment

Assessment:

- Participation and engagement in activities
- Depth of analysis and critical thinking demonstrated
- Quality of the final product (action plan)
- Ability to apply knowledge and skills to real-life scenarios

Extension Activities

Extension Activities:

- Design a community-based project that applies the principles of citizen science to address a local sustainability issue
- Invite a guest speaker to discuss current environmental policies and the role of citizen science in policy-making
- Encourage students to engage in reflective practice, documenting their actions and decisions related to sustainability over a set period