

Lesson Plan 7 – STREAMS Education – Sustainability

Lesson Plan: **Addressing Climate Action through Sustainability for 8-12 Year Old Students**

Objective: Students will understand the concept of sustainability and how it can help to address climate change.

Materials:

- YouTube videos on sustainability and climate change
- Interactive activities on sustainability and climate change
- Worksheets and quizzes on sustainability and climate change

Introduction (15 minutes):

- Begin by asking students what they know about climate change and sustainability.
- Discuss the importance of taking action to address climate change and why sustainability is a key factor in this effort.
- Introduce the concept of sustainability and explain how it involves meeting the needs of the present without compromising the ability of future generations to meet their own needs.

Main Lesson (45 minutes):

- Show YouTube videos on sustainability and climate change that are age-appropriate and engaging, such as:
 1. "The Story of Stuff" by Annie Leonard
 2. "Climate Change: How Do We Know?" by NASA
 3. "What Is Sustainability?" by TED-Ed
- Discuss the key ideas and concepts presented in the videos, including:
 1. The importance of reducing waste and conserving resources
 2. The impact of human activities on the environment
 3. The role of sustainability in addressing climate change
- Conduct interactive activities to reinforce learning, such as:
 1. "Reduce, Reuse, Recycle" game
 2. "Create Your Own Sustainable City" project
- Allow time for questions and discussion.

Assessment (30 minutes):

- Provide students with worksheets and quizzes on sustainability and climate change to assess their understanding of the concepts covered in the lesson.
- Sample activities could include:
 1. Matching activity where students match sustainability terms with their definitions
 2. Multiple-choice quiz on sustainability and climate change
 3. Essay question where students explain how they can take action to address climate change in their own lives
- Review and discuss the answers to the assessment activities as a group.

Conclusion (10 minutes):

- Summarize the key takeaways from the lesson, emphasizing the importance of sustainability in addressing climate change.
- Encourage students to continue learning about sustainability and taking action to reduce their impact on the environment.

Note: It is important to ensure that the YouTube videos and interactive activities used in this lesson plan are appropriate for the age group of the students and align with their interests and learning styles.