

Lesson Plan 9 – STREAMS Education – Critical Skills development as Agents of change

Lesson Plan: **Developing Critical Thinking Skills to Address the Climate Crisis**

Grade Level: 3rd-6th

Objectives:

- Students will be able to define climate change and understand the causes and effects of it.
- Students will develop critical thinking skills to evaluate and analyze media links and YouTube videos related to the climate crisis.
- Students will be able to generate solutions and take action to reduce their carbon footprint.
- Students will be able to take a quiz to assess their understanding of the concepts learned.

Materials:

- Age-appropriate media links and YouTube videos related to climate change
- Pen and paper
- Whiteboard and markers
- Online quiz platform

Procedure:

1. Introduction (10 minutes)
 - Begin by asking the students what they know about climate change and what they think causes it.
 - Write down their answers on the whiteboard.
 - Explain to the students that in this lesson, they will be learning more about climate change and how they can take action to address it.
2. Lesson (30 minutes)
 - Show the students age-appropriate media links and YouTube videos related to climate change.
 - Encourage the students to think critically about what they are seeing and hearing.
 - Ask them to take notes on what they find to be the most important information.
 - After watching the videos, lead a discussion with the students about what they learned and what actions they can take to reduce their carbon footprint.
 - Write down their ideas on the whiteboard.
3. Activity (30 minutes)
 - Divide the students into small groups.
 - Assign each group a topic related to climate change (e.g. transportation, energy, waste).
 - Instruct the groups to brainstorm and come up with three solutions to reduce their carbon footprint in that area.
 - Have the groups present their solutions to the class.
4. Assessment (20 minutes)
 - Give the students an online quiz to assess their understanding of the concepts learned.
 - The quiz questions should cover the causes and effects of climate change, actions individuals can take to reduce their carbon footprint, and the solutions presented by the groups.

- Review the quiz results with the students and provide feedback.
- 5. Conclusion (10 minutes)
- Summarize the lesson and the importance of taking action to address the climate crisis.
- Encourage the students to continue learning about climate change and to take action to reduce their carbon footprint.

Assessment Activities:

1. Group presentation: Each group will present their solutions to reduce their carbon footprint to the class. The presentation will be assessed on the creativity and feasibility of the solutions presented.
2. Online quiz: The quiz will assess the students' understanding of the causes and effects of climate change, actions individuals can take to reduce their carbon footprint, and the solutions presented by the groups.

Sample Quiz:

1. What is climate change?
2. a. A natural phenomenon
3. b. A man-made phenomenon
4. c. Both a natural and man-made phenomenon
5. What are the causes of climate change?
6. a. Greenhouse gas emissions
7. b. Natural factors such as volcanic eruptions
8. c. Both A and B
9. What are some actions individuals can take to reduce their carbon footprint?
10. a. Riding a bike instead of driving a car
11. b. Turning off lights when not in use
12. c. Both A and B
13. What are the effects of climate change?
14. a. Rising sea levels
15. b. More extreme weather events
16. c. Both A and B
17. What solutions did your group come up with to reduce your carbon footprint?
- a. _____
- b. _____
- c. _____