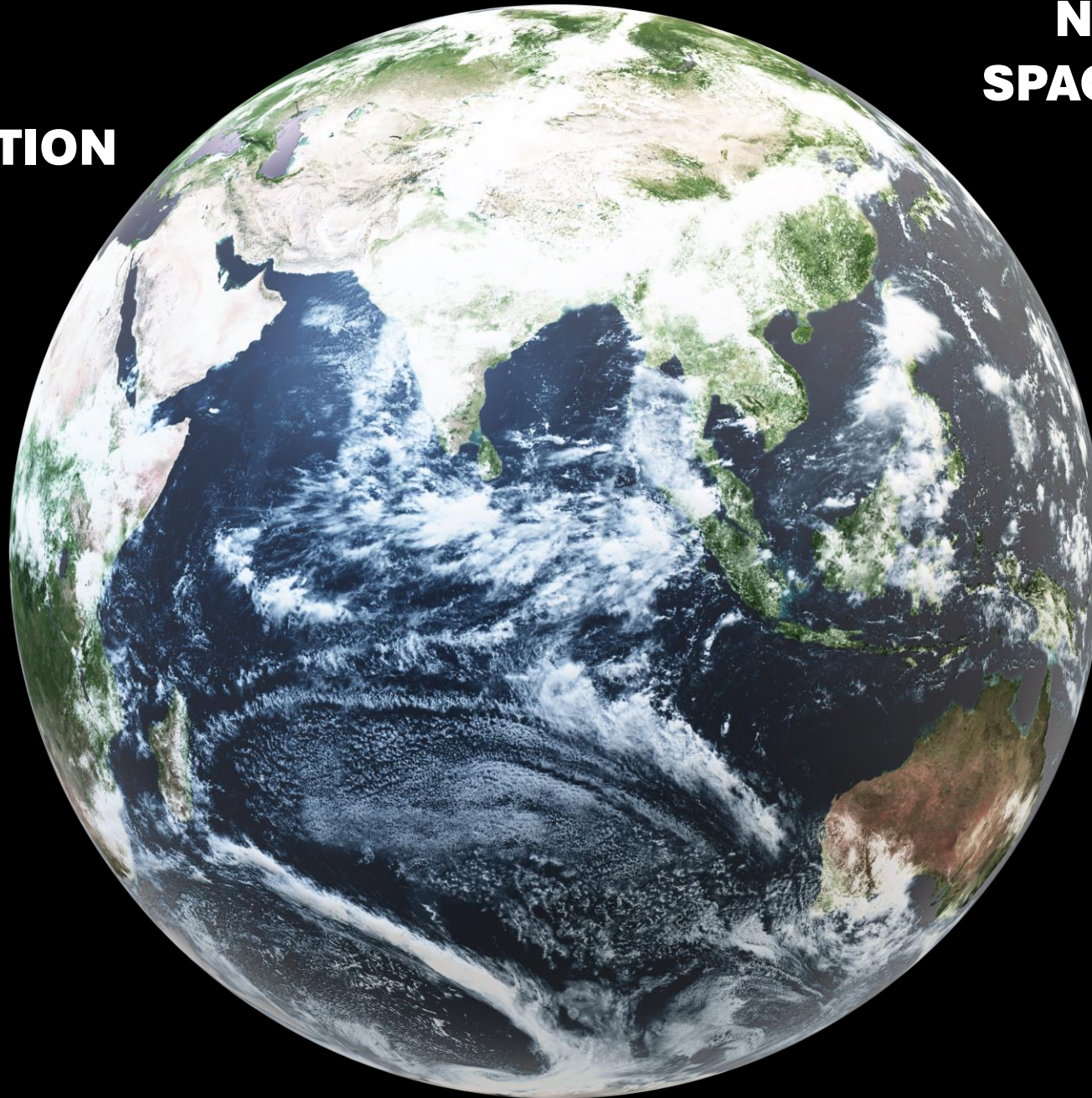


**UNSDGS IN THE  
CLASSROOM  
PROJECT PRESENTATION**

**NASA INTERNATIONAL  
SPACE APPS CHALLENGE  
2024**







# CONTENTS

- Summarized Lesson Plan Outline
- Project Details
- Prototype Details
- Conclusion



# UNSDG 13

13 CLIMATE  
ACTION

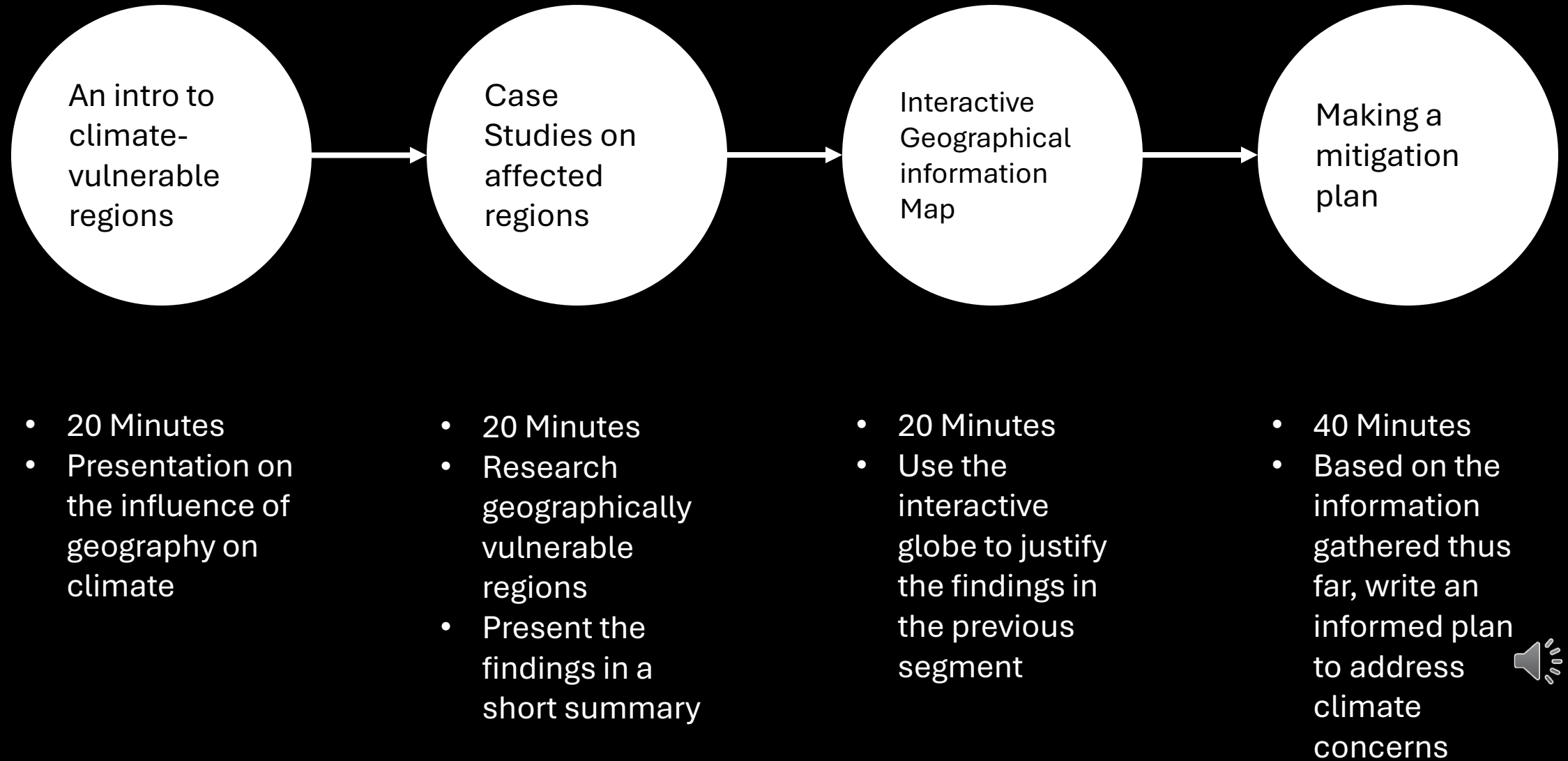


The aim of **SDG 13** is to combat climate change by reducing emissions, enhancing resilience, and promoting global cooperation for mitigation and adaptation.





# LESSON PLAN OUTLINE



# Materials for Lesson

## Answer and Explain

**Directions:** For each question, answer the question and then explain why you picked the answer you did using specific evidence from the text.

<b>Question:</b>	
1. What is the primary goal of the Paris Agreement in relation to climate change?	
<b>Pick the Answer</b>	<b>Explain: Why did you pick that answer?</b>
<p>A) To completely eliminate all greenhouse gas emissions by 2050.</p> <p>B) To limit global temperature rise to well below 2 degrees Celsius above pre-industrial levels.</p> <p>C) To establish a global carbon tax to discourage fossil fuel use.</p> <p>D) To develop a new international treaty to replace the Kyoto Protocol.</p>	
<b>Question:</b>	
2. What is the main function of the UN Framework Convention on Climate Change (UNFCCC)?	
<b>Pick the Answer</b>	<b>Explain: Why did you pick that answer?</b>
<p>A) To provide financial assistance to developing countries for climate change adaptation.</p> <p>B) To monitor and enforce compliance with the Paris Agreement.</p> <p>C) To serve as the primary forum for negotiating global responses to climate change.</p> <p>D) To develop and implement new technologies for reducing greenhouse gas emissions.</p>	
<b>Question:</b>	
3. According to the text, what is the expected impact of the COVID-19 pandemic on greenhouse gas emissions?	
<b>Pick the Answer</b>	<b>Explain: Why did you pick that answer?</b>
<p>A) A permanent reduction in emissions due to changes in global economic activity.</p> <p>B) A temporary decrease in emissions followed by a return to higher levels.</p> <p>C) A significant increase in emissions due to increased reliance on fossil fuels.</p> <p>D) No significant impact on emissions due to the pandemic's short-term nature.</p>	

## Short Answer Questions

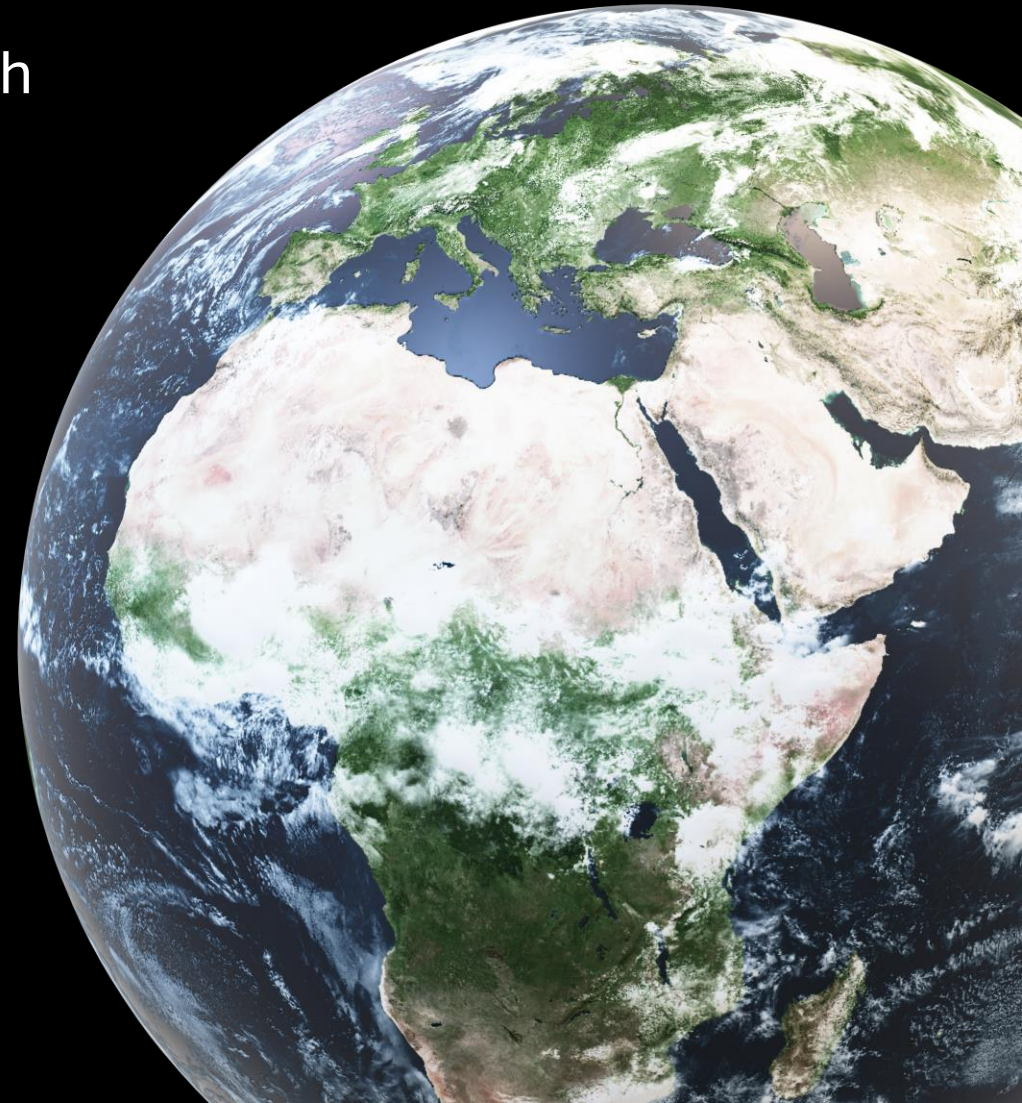
**Directions:** Answer each question in complete sentences. Use specific evidence from the text in each response.

Question	1. What are the two main categories of targets within SDG 13?
Question	2. What is the significance of the Paris Agreement in relation to the Sustainable Development Goals?
Question	3. According to the text, what are some of the challenges and opportunities related to addressing climate change?

# INTERACTIVE PROJECT DETAILS

Our goal was to create an interactive 3D Globe, with features like:

- Mouse Rotation
- Information On Hover
- Day/Night Maps
- GISTEMP Surface Temperature Data
- NASA Global Maps
- Choose a month to observe different seasons



# INTERACTIVE PROJECT DETAILS

A link to our prototype:

<https://splodster.itch.io/nasa-space-apps-globe-view>



## Implemented Features

- Globe rotation
- Day & Night Maps
- Points of Interest Information on hover

# CONCLUSION

Resources used:

- <https://eo4sdg.org/the-life-on-land-project/>
- <https://earthobservatory.nasa.gov/global-maps>
- <https://tourism4sdgs.org/sdg-13-climate-action/>

Github Repository

- <https://github.com/splodster/globe-view>

Detailed Lesson Plan in the README