Next Gen Science Standards:

Students who demonstrate understanding can:

HS-ESS3-5.   Analyze geoscience data and the results from global climate models to make an evidence-based forecast of the current rate of global or regional climate change and associated future impacts to Earth systems.

HS-LS2-7.   Design, evaluate, and refine a solution for reducing the impacts of human activities on the environment and biodiversity.

HS-LS4-6.   Create or revise a simulation to test a solution to mitigate adverse impacts of human activity on biodiversity.

SCIENCE AND ENGINEERING	DISCIPLINARY CORE IDEAS	CROSS-CUTTING CONCEPTS
4. Analyzing and interpreting data *5. Using mathematics and computational thinking* *6. Constructing explanations and designing solutions*	ESS3.D: Global Climate Change LS2.C: Ecosystem Dynamics, Functioning, and Resilience LS4.C: Adaptation	*2. Cause and Effect: Mechanism and explanation* *7. Stability and change*

Instructional Objective(s):

Students will be able to:
1. Demonstrate learning through performance on post-assessment.
2. Complete Unit Evaluation.

Prerequisite Concepts and Skills:

None

Materials and Resources:

Teacher	Students
	Assessment (NPS provided master copy) Unit Evaluation (NPS provided master copy)

This lesson was created in partnership with the Teacher-Ranger-Teacher program through the National Park Service.

Lesson Activities:58 min

Teacher Activities	Student Activities	Time:
Introduction: 1. Instruct students to clear desks of all non-essential items for assessment. 2. Take attendance.	1. Prepare for assessment.	3 min
New Content: 1. Distribute assessment. 2. Monitor student progress.	1. Follow teacher instructions and complete assessment.	45 min
Wrap-up: 1. Collect assessments. 2. Distribute evaluations. 3. Dismiss students.	1. Turn in completed assessments. 2. Complete unit evaluation.	2 min 8 min

Organizational and/or Behavioral Management Strategies:

Assessment and Evaluation:

Extensions:

Adaptations:

Teacher Reflections:

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