Climate Change

LESSON PLAN

NEXT GENERATION SCIENCE STANDARDS

K-ESS3-3 Earth and Human Activity: Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.
3-LS4-4 Biological Evolution: Unity and Diversity: Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.
MS-ESS3-3 Earth and Human Activity: Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.

OBJECTIVES

The student will be able to perform preliminary research to assess their interests.
The student will be able to perform research to answer a question that interests them.
The student will be able to identify a project that interests them to support their learning about climate change.

ACTIVITIES

- The student will explore the NASA website on climate change:
  - https://climatekids.nasa.gov/
- The student will identify a "big question" that interests them.
  - https://climatekids.nasa.gov/menu/big-questions/
- The student will research the answer to the question using the NASA resources and create a way to share what they have learned (written reflection, video reflection, poster, etc.)
- The student will select an activity to complete with the support of their parents.
  - https://climatekids.nasa.gov/menu/make/
- The student will assemble all necessary materials to complete the project with the help of their parents.

OPPORTUNITIES FOR DIFFERENTIATION

YOUNGER STUDENTS

- Students can have a parent's help reading and researching
- Students can have a parent's help completing their reflection and give an oral or illustrated reflection rather than a written one
- Students can have a parent's help choosing and completing an age-appropriate project

OLDER STUDENTS

- Students can perform self directed research
- Students can form a hypothesis about their "big question" before performing research
- Students can have more autonomy for completing the projects
- Students can create science fair projects based on a question or concept that interests them