Gr. 4 *Climate Change

Content Area: **Social Studies**
Course(s):
Time Period: **March**
Length: **3 Weeks**
Status: **Published**

Unit Overview

Enduring Understandings

Edit to fit grade level:

Big Idea: Climate change causes extremes in weather, long term change in earth systems and affects populations of many multitudes of species.

Enduring Understandings: Students will be able to:

- Articulate mechanisms driving climate change both in the past and present.
- Define climate change adaptation and climate change mitigation.
- Identify examples of climate change adaptation and mitigation ideas.
- Identify tools that may be useful in gathering information about climate change impacts.

Essential Questions

What is climate change and why is it important to us?

https://cdn.naaee.org/sites/default/files/10_essential_questions_for_each_grade_band.pdf

Instructional Strategies & Learning Activities

https://climatechangelive.org/index.php?pid=180#3

Integration of 21st Century Themes and Skills

CRP.K-12.CRP1	Act as a responsible and contributing citizen and employee.

CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP4	Communicate clearly and effectively and with reason.
CRP.K-12.CRP5	Consider the environmental, social and economic impacts of decisions.
CRP.K-12.CRP6	Demonstrate creativity and innovation.
CRP.K-12.CRP7	Employ valid and reliable research strategies.
CRP.K-12.CRP8	Utilize critical thinking to make sense of problems and persevere in solving them.

Interdisciplinary Connections

LA.RI.4.1	Refer to details and examples in a text and make relevant connections when explaining what the text says explicitly and when drawing inferences from the text.
LA.RI.4.3	Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.
LA.RI.4.4	Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a grade 4 topic or subject area.
LA.RI.4.5	Describe the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in a text or part of a text.
LA.RI.4.6	Compare and contrast a firsthand and secondhand account of the same event or topic; describe the differences in focus and the information provided.
LA.RI.4.7	Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.
LA.RI.4.8	Explain how an author uses reasons and evidence to support particular points in a text.
LA.RI.4.9	Integrate and reflect on (e.g., practical knowledge, historical/cultural context, and background knowledge) information from two texts on the same topic in order to write or speak about the subject knowledgeably.
LA.W.4.2.A	Introduce a topic clearly and group related information in paragraphs and sections; include formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension.
LA.W.4.2.B	Develop the topic with facts, definitions, concrete details, text evidence, or other information and examples related to the topic.
LA.W.4.2.C	Link ideas within paragraphs and sections of information using words and phrases (e.g., another, for example, also, because).
LA.W.4.2.D	Use precise language and domain-specific vocabulary to inform about or explain the topic.
LA.W.4.2.E	Provide a conclusion related to the information or explanation presented.
LA.W.4.7	Conduct short research projects that build knowledge through investigation of different aspects of a topic.
SCI.4-ESS2-2	Analyze and interpret data from maps to describe patterns of Earth's features.
SCI.4-ESS3-2	Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans.
SCI.4-ESS2-1	Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation.
SCI.4-ESS3-1	Obtain and combine information to describe that energy and fuels are derived from natural resources and that their uses affect the environment.

Differentiation

Modifications & Accommodations

Formative Assessments

Summative Assessments

Instructional Materials

Standards

6.3.5.CivicsPD.3	Propose a solution to a local issue after considering evidence and the perspectives of different groups, including community members and local officials.
6.3.5.GeoHE.1	Plan and participate in an advocacy project to inform others about the impact of climate change at the local or state level and propose possible solutions.
6.3.5.GeoGI.1	Use technology to collaborate with others who have different perspectives to examine global issues, including climate change and propose possible solutions.
6.3.5.EconET.1	Investigate an economic issue that impacts children and propose a solution.