

Unit 1: Grade 2: Climate Change

Content Area: **Template**
Course(s):
Time Period: **Full Year**
Length: **Full Year**
Status: **Published**

GOALS/PURPOSE

Purpose:

The purpose of this Crosswalk is to foster an interdisciplinary approach to climate change education that is evidence-based, action-oriented and inclusive.

Goals:

1. Prepare students to understand how and why climate change happens.
2. Teach students the impact that climate change has on our local and global communities
3. Teach students how to act on climate change in informed and sustainable ways.

ELA.RL.CR.2.1	Ask and answer questions to demonstrate understanding of key details in a literary text, referring explicitly to the text as the basis for the answers.
ELA.RI.CR.2.1	Ask and answer questions to demonstrate understanding of key details in an informational text, referring explicitly to the text as the basis for the answers.
ELA.RL.CI.2.2	Recount a text in oral and written form and determine central message (in literary texts, e.g., fables and folktales from diverse cultures).
ELA.RI.CI.2.2	Recount a text in oral and written form and determine main topic (in multi-paragraph informational text, focusing on specific paragraphs).
ELA.RI.IT.2.3	Describe the connection between a series of historical events, scientific ideas or concepts, or steps in a sequence within a text.
ELA.RI.PP.2.5	Identify the main purpose of a text, including what the author seeks to explore, answer, explain, or describe.
ELA.RI.MF.2.6	Explain how specific illustrations and images (e.g., a diagram showing how a machine works) contribute to and clarify a text.
ELA.RI.AA.2.7	Describe and identify the logical connections of how reasons support specific points the author makes in a text.
ELA.SL.PE.2.1	Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.
ELA.SL.ES.2.3	Ask and answer questions about what a speaker says in order to clarify comprehension, gather additional information, or deepen understanding of a topic or issue.
ELA.SL.PI.2.4	Tell a story or recount an experience with appropriate facts and relevant, descriptive details, speaking audibly in coherent sentences.

READ ALOUD TEXTS/EXCERPTS

Climate Maps

By Samantha S. Bell

[Click here](#) to read the book on Epic! (Free educator account required)

This book introduces readers to climate maps and their many uses, especially in daily life. It features labeled infographics that highlight special features on the map to enhance reader understanding. Additional features include

colorful photos, captions, a table of contents, a phonetic glossary, sources for further research, and an index.

Kids Speak Out About the Environment (Kids Speak Out)

by Chris Schwab

[Click here](#) to read the book on Epic! (Free educator account required)

This book explores threats to the environment, including plastic bags, polluted water, and climate change. Students will read about 5 youth activists, including Greta Thunberg to learn how these environmentalists took action to reduce pollution and raise climate change awareness around the world. Included in the book are color photographs, a list of ways to get involved, a glossary, text-dependent questions, and an extension activity.

My Wounded Island

By Jacques Pasquet

[Click here](#) for a video read aloud!

There's an invisible creature in the waves around Sarichef. It is altering the lives of the Iñupiat people who call the island home. A young girl and her family are forced to move to the center of the island for refuge from the rising sea level. Soon the entire village will have to relocate to the mainland. Heartbroken, the young girl and her grandfather worry: what else will be lost when they are forced to abandon their homes and their community?

Addressing the topic of climate refugees, My Wounded Island is based on the challenges faced by the Iñupiat people who live on the small islands north of the Bering Strait near the Arctic Circle.

Zonia's Rain Forest

By Juana Martinez-Neal

[Click here](#) for a video read aloud!

Zonia's home is the Amazon rain forest, where it is always green and full of life. Every morning, the rain forest calls to Zonia, and every morning, she answers. She visits the sloth family, greets the giant anteater, and runs with the speedy jaguar. But one morning, the rain forest calls to her in a troubled voice. How will Zonia answer? This book explores the wonders of the rain forest with Zonia, an Asháninka girl, in her joyful outdoor adventures. The engaging text emphasizes Zonia's empowering bond with her home, while the illustrations—created on paper made from banana bark—burst with luxuriant greens and delicate details. Illuminating back matter includes a translation of the story in Asháninka, information on the Asháninka community, and resources on the Amazon rain forest and its wildlife.

ARTICLES AND/OR VIDEO RESOURCES (FOR INSTRUCTIONAL PURPOSES)

Videos on Epic!

- [Climate Change: The View from MinuteEarth](#)
- [Crash Course Kids: Climate Change](#)

[Kids National Geographic](#)

Articles that help to explain climate change to students and how they can help to protect the earth.

[Brainpop Jr](#)

All Science and weather related videos can help students gain a better overall understanding of weather and how it can change our planet.

[Peekaboo Kids Climate Change 101](#)

Peekaboo Kids teaches about climate change and how to keep the environment safe.

Crash Course Kids Videos

[Weather vs. Climate](#)

[Climate Change](#)

[Wonderopolis](#)

Click to choose from a library of articles that help to explain climate change to students and how they can help to protect the earth.

WEBSITES (FOR STUDENTS TO INTERACT WITH)

Epic Books: "Climate" collections (free educator account needed for student access)

Students can click on a collection of books to explore, or you can assign them!

[NASA Guide to Climate Change](#)

An interactive website for students to learn more about climate change.

Game: [Recycle Rescue](#)

AJ has a mission to reuse the litter in the park and clean it up for his friends to enjoy!

PROFESSIONAL RESOURCES FOR TEACHERS (LESSON PLANS, REPRODUCIBLES, ETC.)

Lesson Plan and Game: [Storm Dodger](#) on PBS Kids

In this lesson, students will play a board game to understand that storms follow paths, and that a storm's speed and direction can be tracked to help people make plans.

Experiment: [Learn How to Form Fog](#) on PBS Kids

Discover how air temperature and humidity work together to make condensation, dew, and fog.

Click [HERE](#) for suggested projects and activities from PBS Kids to keep kids engaged while learning about Earth!

[Mystery Doug](#) "Why does it get cold in the winter?"