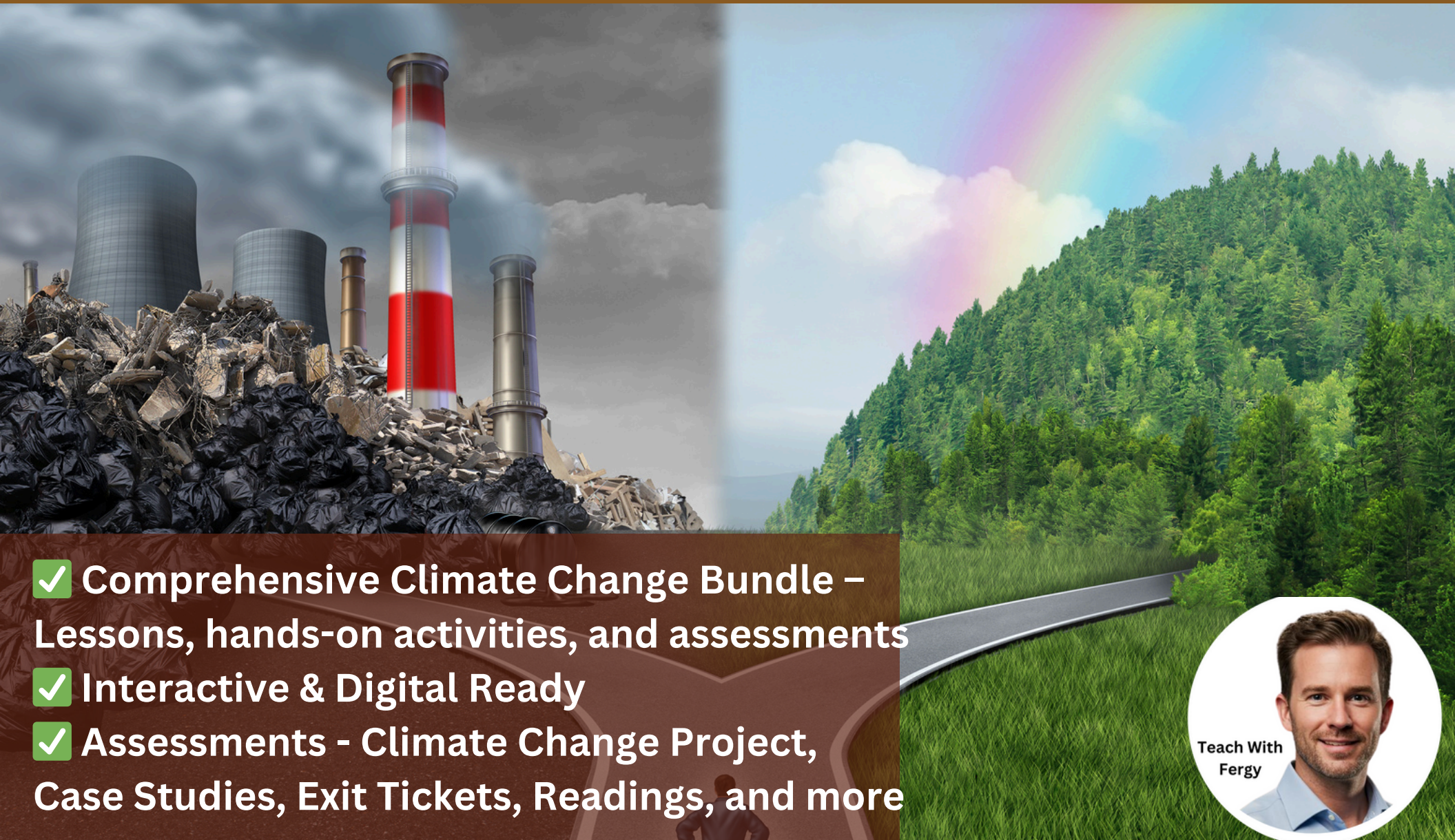


Climate Change Bundle

9th and 10th Grade



- ✓ Comprehensive Climate Change Bundle – Lessons, hands-on activities, and assessments
- ✓ Interactive & Digital Ready
- ✓ Assessments - Climate Change Project, Case Studies, Exit Tickets, Readings, and more

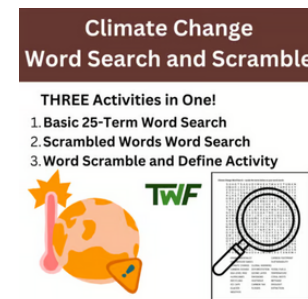
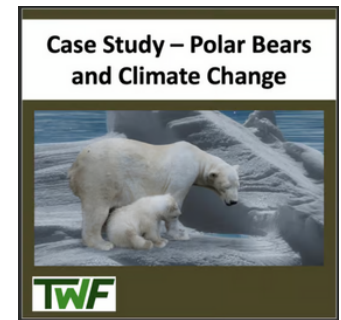


Teach With
Fergy

Climate Change Bundle

What's Included:

- Climate Change Lesson
- 7 Case Studies
- Climate Change Project
- Bell Ringer, Class Warm-Up, and Exit Ticket Activity
- Crossword Puzzle and Word Search Activity
- Speed Quizzing Activity
- Digital Interactive Notebook
- Digital Scavenger Hunt
- Grade 8 and Up Reading
- Lab Station Activity



Lessons Include Teacher & Student Versions - Videos Embedded in Lessons

Climate Change and Global Warming

- Climate Change vs. Global Warming
- Weather vs. Climate
- Air Convection Currents
- Earth's Climate System
- The Ozone Layer
- The Greenhouse Effect
- Greenhouse Gases
- Greenhouse Gas Emissions
- Global Warming and the Carbon Cycle
- Carbon Sinks
- Effects of Global Warming
- Historical Climate Change

This digital presentation includes both Google and Office resources and is [Google Classroom Ready](#)

Effects of Global Warming

The impacts of climate change are predicted to be serious and widespread:

- More violent weather
- Increases in global temperatures → melting glaciers, increase in sea levels, flooding
- Ecosystems → Creating unsuitable habitats (melting ice and polar bears)
- Shifting patterns of rainfall and drought

7

The Greenhouse Effect

- Light passes into the greenhouse through the glass
- The plants inside absorb the light energy and emit infrared (heat) radiation which can't pass through the glass
- As the infrared radiation bounces around, heat is created and warms the area inside



The Greenhouse Effect

- Light passes into the greenhouse through the glass
- The plants inside absorb the light energy and emit infrared (heat) radiation which can't pass through the glass



Teacher and Student
versions of your lesson

Videos embedded
directly in your lesson

Engaging Activities & Assessments



Climate Change Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Climate Change Bell Ringers, Class Warm-Ups, and Exit Tickets



Climate Change
Provide 3 potential impacts of climate change.



Climate Change

Device-Based Scavenger Hunt Climate Change



Includes

- 5 Unique Locations
- Online form submission
- Answer Key

Works on all smartphones, tablets, Chromebooks and laptops

- 100% Digital
- Simulations
- Quizzes
- Videos
- Games
- Word Scramble
- and more



Speed Quizzing

What is climate?

The average of weather in a region over a long period of time.

True/False: Most air in the atmosphere is N_2 and O_2 .

True

A fast-moving review activity where students quiz each other, swap cards, then move on to someone new.



Climate Change Digital Interactive Notebook

Activity 1: Weather vs. Climate
Activity 2: Bill Nye Video
Activity 3: Earth's Climate System

100% Digital and Interactive

Activity 4: Greenhouse Effect Diagram
Activity 5: Report!
Activity 6: Effects of Climate Change



Climate Change Crossword Puzzle

- 15 - Term Crossword
- Includes 2 Versions
 - Version 1 - No Word Bank
 - Version 2 - Includes a Word Bank





Climate Change Word Search and Scramble

THREE Activities in One!

1. Basic 25-Term Word Search
2. Scrambled Words Word Search
3. Word Scramble and Define Activity





Readings & Case Studies

Climate Change Scientific Reading Comprehension Article



Improve your students' Scientific Analysis Skills, use as an Emergency Substitute Plan or create Applicability in your classroom.

Case Study – Green Sea Turtles and Climate Change



TWF

Case Study "Fragile Balance: Investigating the Impact of Climate Change on Coral Reefs"



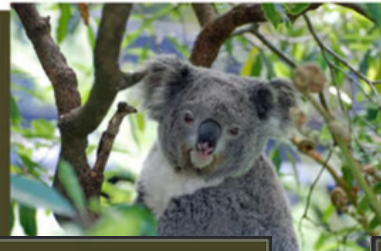
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Improve your students' Scientific Literacy and Analysis Skills, use as an Emergency Substitute Plan or create Applicability in your classroom.

Case Study – African Elephants and Climate Change



Case Study – Koalas and Climate Change



Case Study - The Arctic Fox and Climate Change



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Case Study – Polar Bears and Climate Change



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Case Study – The Adélie Penguin and Climate Change



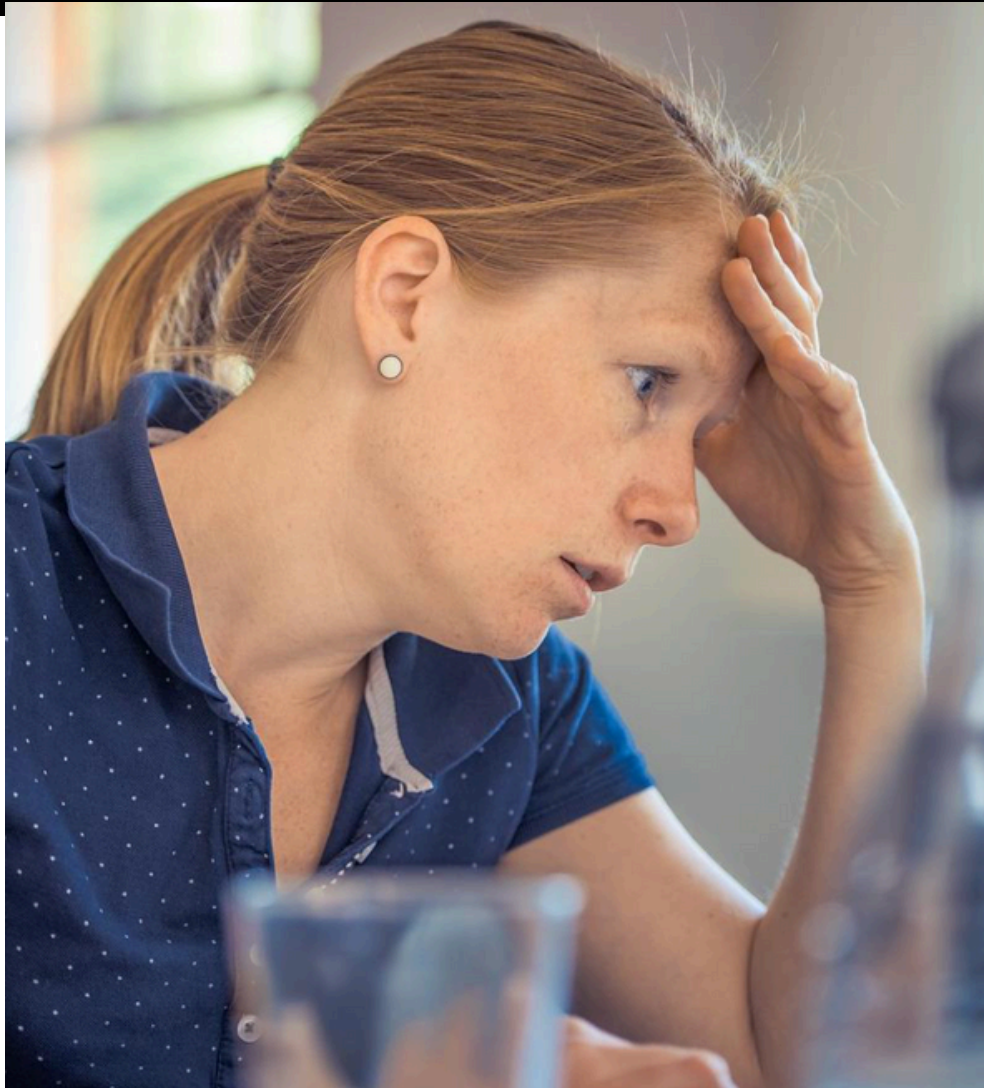
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Who's It For?

- **High School Science Teachers**
- **Teachers using NGSS**
- **Teachers who want to increase their student's engagement and retention**
- **Teachers not looking to reinvent the wheel**

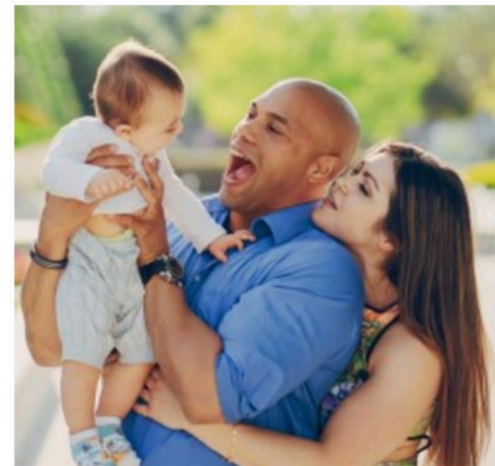


Save yourself the **STRESS AND TIME**



TWF

Spend your time WISELY



TWF