

Lesson 3: “Temperature’s Legacy – A Mission for the Future”

Theme:

Every hero needs a team. Now it’s the students’ turn to decide how the story ends.

Lesson Goals

- Review and reinforce the concept of **temperature anomalies** and the **human impact of CO₂**
 - Encourage **student ownership** of climate awareness and action
 - Introduce the idea of **citizen scientists** and being part of the solution
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Learning Objectives

- Re-explain what a temperature anomaly is and how to read it on a chart
 - Identify the main story characters and their roles
 - Plan one personal or class-wide action to support Temperature and the planet
 - Use storytelling and creative expression to share understanding
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Act 1: Hook – “The Message from the Future”

Scene Setting (Engaging Intro):


Play or read a dramatic letter from *Future Earth*, thanking the students... but warning that the battle isn’t over.

Narration Example:


“Dear Heroes of 2025,
This is Future Earth. I’ve seen your work. Temperature told me how you’ve helped. But CO₂ Pollution is still out there... and it’s growing stronger. We need one more push. Will you help finish the quest?”

 **Envelope Delivery (Optional):** Give each group a “mission letter” sealed with a “Top Secret” stamp.

Act 2: Quick Review Challenge – “Hero Academy Recap”

 **Stations or Group Quiz Game:** Set up small stations (or group tasks) with review activities:

1. Match terms (Temperature, CO₂, Dr. Data)
2. Read a chart and explain what's happening
3. Describe a temperature anomaly
4. Draw one cause and one solution for CO₂ growth

 **Incorporates Differentiation:** struggling learners revisit basics in a supportive format; advanced learners coach peers or dive deeper.

Act 3: Story Expansion – “The Final Chapter”


 **Prompt Discussion:**

- What would happen if CO₂ Pollution wins?
- What could the world look like if Temperature gets help?

 **Activity: Story Extension Comic**

Students complete a **2-page comic or mini-book**:

- Page 1: A problem Temperature faces in the future
- Page 2: A solution the student helps with


 Focus concepts: temperature trends, CO₂ impact, human action

Act 4: Next Steps – “Mission Earth: Team Temperature”

 **Call to Action:** Introduce the idea of **small actions = big difference**.

Students each choose one personal or class action from a list:

- Walk instead of car for short trips
- Start a plant journal / class garden
- Create posters about energy saving
- Write a pledge for Earth

 **Action Passport:** Give students a printed “Team Temperature Passport” where they:

- Log 3 eco-actions this week
- Get it stamped by you or parents

Reflection Circle:

“What’s one thing you’ve learned?”

What’s one thing you’ll do?”

Support for Struggling Students

- Use visuals and recaps from Lessons 1 & 2
 - Partner them with a peer “Story Buddy” for the comic task
 - Use fill-in-the-blank options for action reflections
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Extension for Advanced Learners:

- Research a real-world climate solution (e.g., wind energy, electric vehicles)
- Present it to the class as a “Tool for Dr. Data’s Lab”