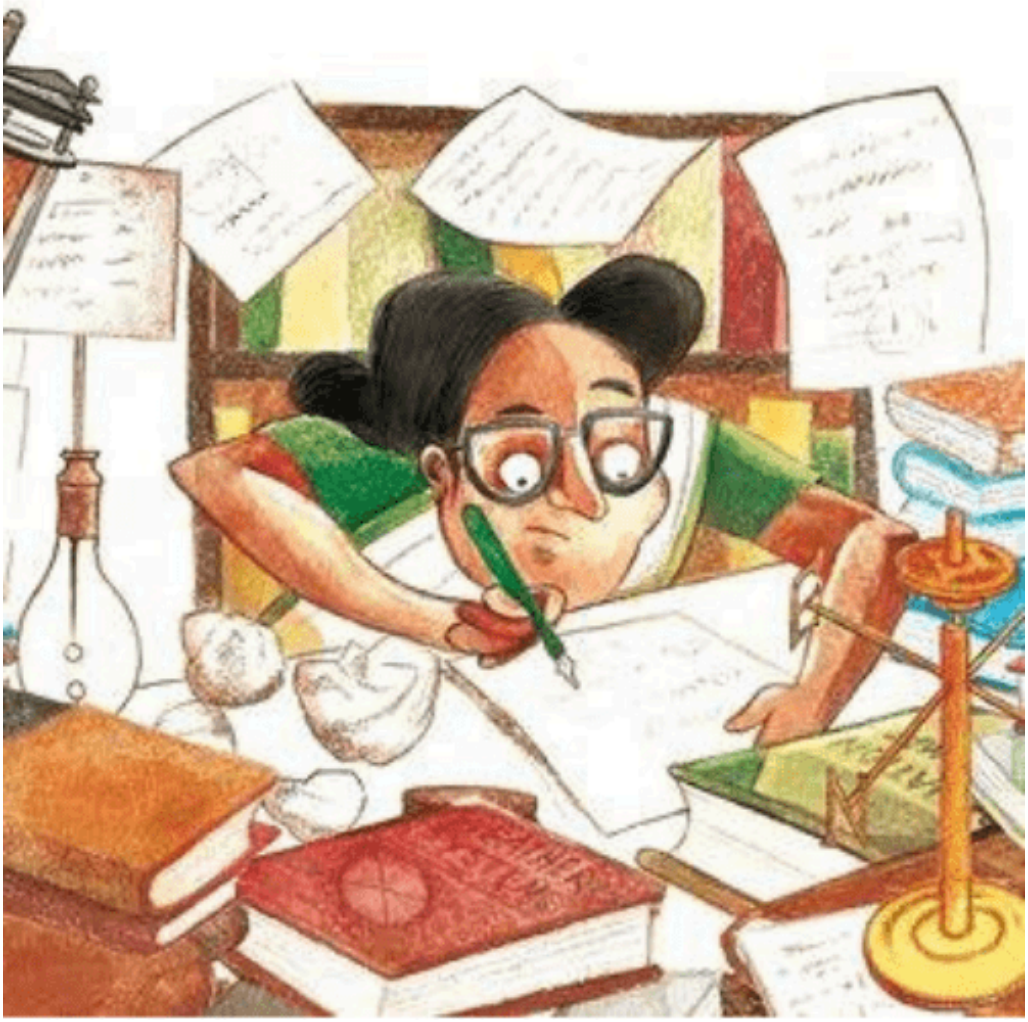
ZAMASAMA PRESENTS

A Guide for Teachers and Parents



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THEMES

Weather and Climate

Women in Science

STEAM

Curiosity

Biography

LEARNING OUTCOME

Children will:

- Learn about the life and contributions of Indian scientist Anna Mani.
- Understand how weather instruments work and why they matter.
- Be inspired by a real woman scientist's journey from childhood passion to professional impact.
- See science as a space for exploration and creativity
- Develop appreciation for accurate weather and climate observation

LESSON PLAN

This lesson uses Anna's biography to spark curiosity about science, especially weather and instruments. It connects classroom knowledge with real-world science careers.

Discussion Questions

Before Reading:

- What kind of questions do you like asking about the world?
- Have you ever watched a weather report? What do you know about how it works?
- Can you name a woman scientist?

During Reading:

- Pause when Anna receives books for her birthday—ask: What would you ask for?
- Ask: What weather tools do you think Anna invented or used?

After Reading:

- What made Anna curious as a child?
- How did her curiosity help her become a scientist?
- Why is studying weather important?
- What would you like to invent to help people?

Activities:

- DIY Weather Station: Create a simple weather tool (rain gauge, wind sock) using craft materials.
- Scientist Timeline: Map Anna's life milestones and link them to what she learned or contributed.
- Weather Journal: Students track daily weather and make simple observations.

RELEVANT ZAMASAMA STORIES

- The Plant Whisperer – a young girl follows her love of plants into science
- Sailing Ships and Sinking Spoons – fun weather-related experiments
- The Big Dreamer – environment and science through youth action
- The River Warrior – using science to clean and protect nature
- The Scoop on Inventors – African American inventors of practical items of daily use

RELEVANT SDGS

Applicable SDGs:

- SDG 4: Quality Education
- SDG 5: Gender Equality
- SDG 9: Industry, Innovation and Infrastructure
- SDG 13: Climate Action

SDG Explanation

- SDG 4: Encourages education and learning through biographies of real scientists.
- SDG 5: Celebrates a woman's achievements in a STEAM field, breaking gender barriers.
- SDG 9: Highlights scientific advancement and innovation in meteorology.
- SDG 13: Introduces climate and weather as critical themes in scientific research.

EXPECTED OUTCOMES

Children will recognize how observation and curiosity lead to discovery, feel inspired by a role model in science, and develop interest in weather, tools, and climate issues.

ABOUT ZAMASAMA

Zamasama is a nonprofit platform that brings together stories from around the world to help children discover that beneath our differences—of culture, language, or belief—we share the same hopes, joys, and dreams.
Today's children are tomorrow's citizens, and the responsibility of building a more peaceful, tolerant, and empathetic world lies with them.
That's why it's vital to instill these values early—through stories that help them rise above the biases they inherit, and see diversity as a strength that unites us all.