

GRADE **2**

Each lesson plan is accompanied by popular educational episodes found on:

**KIDDOODLETV™**



Science

# Nikki's Wiki "Earth Day Celebration Around the World!"

Celebrating Earth Day - Taking a look at the significance of plants and their role in the environment.

# Curriculum Connection:

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## Science

### Plant Life and Ecosystems:

The lesson highlights the significance of plants and their role in the environment, as students engage in the hands-on activity of creating seed bombs to promote plant growth and ecological balance.

### Conservation and Environmental Stewardship:

Students will learn about actions they can take to conserve and protect the environment, inspired by Earth Day celebrations and the seed bomb activity.

## Social Studies:

**Cultural Diversity:** This lesson focuses on exploring Earth Day celebrations around the world, fostering an appreciation for different cultures and traditions related to environmental awareness.

### Interdependence of People and the Environment:

Students will understand the importance of caring for the Earth and its resources through the lens of Earth Day celebrations.



## Language Arts:

### Speaking and Listening:

Students will actively participate in class discussions, sharing their observations, ideas, and reflections on Earth Day celebrations and the seed bomb activity.

**Writing:** The lesson offers opportunities for students to practice writing skills through extension activities such as creating stories or journal entries related to Earth Day or documenting the growth of plants from the seed bombs.

## Visual Arts:

**Creative Expression:** The seed bomb activity allows students to exercise their creativity by shaping and molding the paper pulp mixture, encouraging artistic expression and developing fine motor skills.

**Art and the Environment:** Students will explore the connection between art and environmental awareness, understanding how their creative endeavors can contribute to caring for the Earth.

# Learning Goals:

1

## Environmental Science:

Students will understand **the importance of plants and their role in the environment.**

Students will recognize the value of conserving and protecting the environment. Students will learn actions they can take to care for the environment based on Earth Day celebrations and the seed bomb activity.

3

## Language Arts:

Students will actively **engage in class discussions, sharing their observations, ideas, and reflections** on Earth Day celebrations and the seed bomb activity.

Students will **practice writing skills** through extension activities such as creating stories or journal entries related to Earth Day or documenting the growth of plants from the seed bombs.

2

## Social Studies:

Students will understand **the purpose and significance of Earth Day** as a global celebration. Students will recognize the importance of taking care of the Earth and its natural resources. Students will develop an appreciation for the diverse cultures and traditions around the world through the exploration of Earth Day celebrations.

4

## Visual Arts:

Students will **exercise their creativity** by shaping and molding the paper pulp mixture to create seed bombs. Students will explore the connection between art and environmental awareness, understanding how their creative endeavors can contribute to caring for the Earth.

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# Materials:



Access this episode free on:

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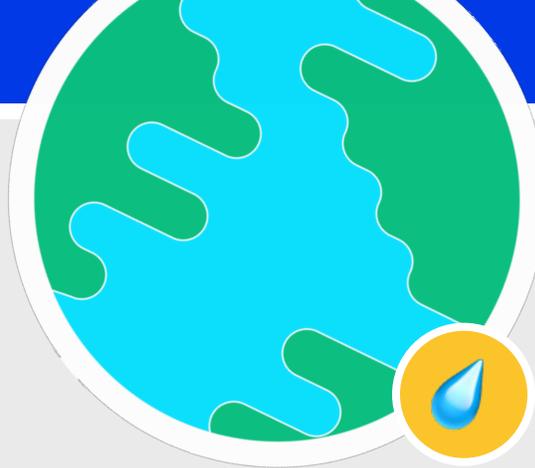


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## Lesson Supplies:

- |                                     |   |                          |   |
|-------------------------------------|---|--------------------------|---|
| <input checked="" type="checkbox"/> | <b>Nikki's Wiki</b><br>S01 E13: Earth Day Celebration Around the World! | <input type="checkbox"/> | Flower or herb seeds (choose native or pollinator-friendly seeds) |
| <input type="checkbox"/>            | Whiteboard or chart paper   | <input type="checkbox"/> | Blender or food processor   |
| <input type="checkbox"/>            | Markers   | <input type="checkbox"/> | Cookie cutters or molds (optional)                                |
| <input type="checkbox"/>            | World map or globe  | <input type="checkbox"/> | Tray or baking sheet  |
| <input type="checkbox"/>            | Recycled paper or construction paper                                    | <input type="checkbox"/> | Wax paper or parchment paper                                      |
| <input type="checkbox"/>            | Water   | <input type="checkbox"/> | Seed Bomb Labels (provided)                                       |
| <input type="checkbox"/>            | Large mixing bowl   |                          |   |

# Lesson:



## Introduction

**Begin the lesson** by asking students if they have heard of Earth Day. Allow a few students to share their prior knowledge or experiences.

**Explain that Earth Day is** a special day celebrated worldwide to promote awareness and appreciation for the Earth's environment.

**Introduce the show** "Earth Day Celebration Around the World! Nikki Wiki" and explain that you will be watching an episode that showcases Earth Day celebrations in different countries.

## Viewing the episode:

Play the Kidoodle.TV episode Nikki's Wiki "Earth Day Celebration Around the World!" for the class.

Encourage students to pay attention to the different countries, cultures, and traditions featured in the episode.

## Discussion:

**After watching the episode, lead a class discussion** to reflect on what the students observed and learned. Ask students to share the countries and traditions they saw in the episode.

Use a world map or globe to locate and discuss the countries mentioned in the episode.

**Ask questions to encourage critical thinking, such as:**

- *Why do you think Earth Day is celebrated differently in different countries?*
- *What are some ways people in the episode showed care and respect for the environment?*
- *How can we apply what we learned from these celebrations in our own lives?*

**NEXT: Do the Seed Bomb activity on the next page before continuing on to the conclusion.**

## Conclusion:

Gather the students back together and have each group share their experiences and reflections on creating the seed bombs. Emphasize the importance of the seed bombs as symbols of their commitment to taking care of the Earth.

Discuss where and when the students can plant the seed bombs to make a positive impact on their environment. Collect the remaining seed bombs and distribute them to students to take home and plant in suitable locations. Provide each student with a Seed Bomb label (provided).

## Extension:

Encourage students to observe and document the growth of the plants from their seed bombs, either through drawings, photographs, or a gardening journal. Discuss the importance of taking care of the planted areas by watering and weeding them regularly.

Scan to watch the episode:



# Seed Bomb Activity:



**Begin by discussing plants and their importance in our environment.** Explain to the students that they will be engaging in a hands-on activity to create seed bombs. **Introduce the concept of seed bombs** as a way to plant seeds in places that need more plants, such as urban areas or schoolyards. **Explain that seed bombs are small balls** made of a mixture of clay, compost, and seeds, that can be thrown or placed in various locations to help plants grow.

**Divide the class into small groups** and provide each group with the necessary materials: recycled paper or construction paper, flower or herb seeds, water, blender or food processor, large mixing bowl, cookie cutters or molds, tray or baking sheet, wax paper or parchment paper.

## Guide the students through the following steps:

- Tear or cut the recycled paper into small pieces and place them in the mixing bowl.
- Add water to the bowl and let the paper soak for a few minutes until it becomes soft.
- Once the paper is soft, help the students blend or process it in a blender or food processor until it becomes a pulp.
- Have each student take a handful of the wet paper pulp and squeeze out any excess water.
- Add a small handful of seeds to the pulp and mix them thoroughly. Ensure the seeds are evenly distributed.
- Encourage the students to shape the mixture into small balls or use cookie cutters or molds to create different shapes.
- Place the seed bombs on a tray or baking sheet lined with wax paper or parchment paper.

While the seed bombs dry, facilitate a discussion among the groups about the importance of the activity and how it connects to Earth Day.

## Assessment:

Assess students' engagement and participation throughout the activity, including their contribution to the group discussions and their efforts in creating the seed bombs.

Monitor their understanding of Earth Day and its global significance through their responses during the discussion sessions.

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