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AI@GREEN

WRITTEN LESSON PLAN

FOOD WASTE AND CREATIVE RECYCLING

AT A GLANCE

AGE GROUP • 2nd Grade students, aged 7 years

FOCUS • Food waste, reuse, recycling and creative learning

LESSON OBJECTIVES

STUDENTS WILL LEARN

1. To understand what food waste is.
2. To learn ways of reusing and recycling food waste.
3. To develop critical thinking and collaboration through interactive activities.

TEACHING METHODS

LEARNING APPROACHES

Constructivist Approach: Active student participation, exploration, and discovery through activities.

Group Collaboration: Group discussion for idea exchange and project creation.

ACTIVITY DESCRIPTIONS

01 INTRODUCTION WITH STORYTELLING

DURATION • 15 MINUTES

Using the story 'The Leaf and the Magical Food Waste', students will be introduced to the topic in an enjoyable way.

LEARNING GOAL

Introducing the concept of recycling in an enjoyable and educational manner.

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02 COMPOST CREATION

DURATION • 20 MINUTES

Students participate in a composting experiment, where they collect food scraps and put them in a compost bin. They observe the process and discuss the results.

LEARNING GOAL

Build connections and understanding through practical application.

03 ARTISTIC ACTIVITY

DURATION • 25 MINUTES

Using food scraps, students create simple art projects. This activity encourages creativity and adaptability.

LEARNING GOAL

Applying knowledge about recycling through creativity.

04 GROUP DISCUSSION

DURATION • 10 MINUTES

During a group discussion, students evaluate and suggest improvements for reducing food waste at school. This activity promotes critical thinking and communication skills.

LEARNING GOAL

Encourage reflective thinking and develop ideas for practical applications.

05 MUSICAL ACTIVITY

DURATION • 15 MINUTES

Students learn a song based on the story, enhancing their understanding of the topic through music.

LEARNING GOAL

Reinforce the lesson through music.

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EXPECTED OUTCOMES

OUTCOMES

Students will develop awareness about the importance of recycling and reusing food waste.

Collaboration and expressive skills will be developed.

EVALUATION

ASSESSMENT METHODS

Observation of student participation in activities.

Discussion for feedback and evaluation of knowledge and skills gained.

Using Kahoot (https://create.kahoot.it/details/e2429571-f562-4d37-b175-81c7239aff65) students test their knowledge.

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ACTIVITY TABLE

01 PREPARATION AND QUESTIONS • 10 MIN

Start with questions like “What is food waste?” and “How can we reuse it?”

ACTIVITY GOAL

Engage introspection and initiate discussion through central questions.

02 STORYTELLING • 15 MIN

Telling the story 'The Leaf and the Magical Food Waste' with discussion of pictures and conceptual connections.

ACTIVITY GOAL

Introduce the concept of recycling in a fun and educational way.

03 EXPLORATION AND CATEGORIZATION • 20 MIN

Identify and categorize food waste through practical activity.

ACTIVITY GOAL

Create connections and understanding through exploration and hands-on application.

04 CREATIVE ACTIVITY • 25 MIN

Create a poster using creative ideas for reusing food waste.

ACTIVITY GOAL

Apply knowledge of recycling through creativity.

05 REFLECTION AND FEEDBACK • 10 MIN

Discussion about the experience and ideas for practical application, evaluation and feedback from student participation.

ACTIVITY GOAL

Integrate experience and enhance critical thinking and analysis.

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APPENDIX

The Leaf and the Magical Food Waste

Once upon a time, in the magical city of Chromatohora, where everything was made of colors of the rainbow, lived a little plant hero named Leaf. Leaf was a curious little leaf who loved adventures and discoveries.

One sunny day, Leaf decided to visit the Color Market, where the villagers brought their fruits and vegetables. As he wandered around, he noticed many peeled skins and pits that no one paid attention to.

'What are all these things?' Leaf wondered curiously. At that moment, the wise Grandma Green, an old olive tree, appeared.

'These, my dear Leaf, are the scraps of our food,' said Grandma Green with a smile. 'But don't underestimate them! They have magical properties. They can be reborn and offer us wonderful things.'

'Really? How can that happen?' Leaf asked excitedly.

'Some scraps can be used to make new soups and broths, like carrots and pumpkins. Others we can compost, turning them into special soil that helps our flowers and vegetables grow big and beautiful,' explained wise Grandma.

Leaf was thrilled. He decided to collect all the scraps from the market and create his own compost in his garden. With every new plant that grew, the people of Chromatohora realized how important those scraps were.

And so, thanks to Leaf and Grandma Green, Chromatohora became a place where nothing went to waste, and everything had its own magical use.

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