

MY FOREST BAG

Experiment Objective:

The aim is for students to explore nature, develop environmental awareness, and grasp the importance of Forest Week. In this activity, students will design their bags to collect natural materials, observe the diversity of nature, and learn the necessity of protecting it.

Theme

Forest Week



**CURIOUS
BOX** 



MY FOREST BAG



Let's Spark Curiosity

The following questions are asked to the students

- Why should we use resources sparingly?
- Do you think we should use cloth bags instead of plastic bags?
- Would you like to design a bag for carrying the products you buy from the market or store?

"Consumption is increasing along with the growing population on Earth. As people consume, resources diminish, and environmental damage also increases. So, how can we use resources sparingly? We can use them sustainably. But how can we do this?"

"We can do this by recycling used products without harming nature, or by using the product we will use many times." is said. The activity materials are requested to be taken out and examined. The question, "How do you think we will obtain a sustainable product with these activity materials?" is asked. Answers are gathered and discussed.

Let's Start Exploring!

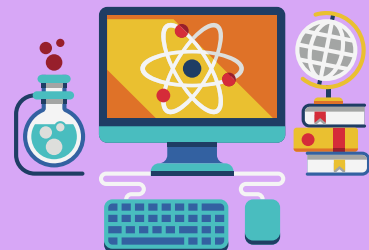
The activity video is watched by pausing it. The set contents are checked before starting the activity. All steps of opening covers and packages are done simultaneously with the students



Set Content

- Cloth Bag
- Colored pencils
- "What Did You Notice in Nature Today?"
- Activity Page

Watch the video by pausing it!



How Do We Do It?

1. All materials are placed on the table.
2. The cloth bag is colored to the desired shade using colored pencils.
3. Go out into nature or your schoolyard with your bag and observe the environment. Think about what you can collect inside it.



NOTE: Please wash your bag at a low temperature when you need to clean it.

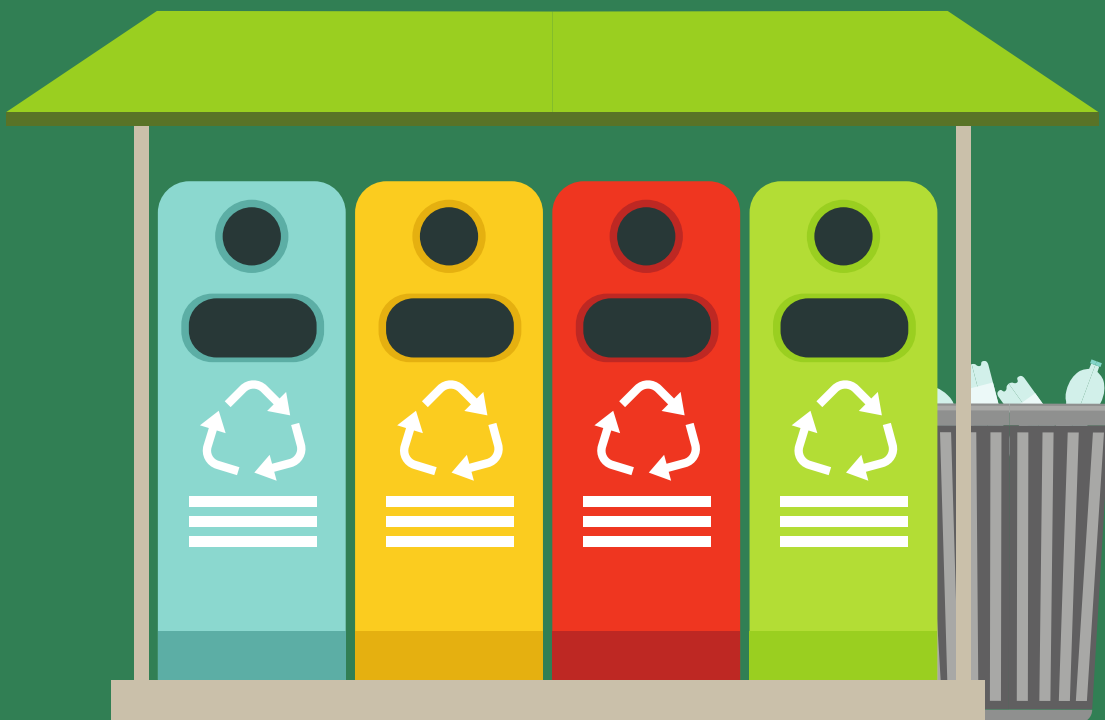
What Should Little Scientists Explore?

Students are asked the following questions:

- What is recycling?

The resources we use at home and school, such as electricity and water, are not limitless. We need to use these resources in sufficient amounts. Energy saving means using energy wisely and is achieved by preventing unnecessary energy consumption. The efficient use of resources like electricity, water, soap, natural gas, and toilet paper is especially important in our school.

The disposal of the materials we use into recycling bins is another important issue. Substances that are consumed and become waste can be turned into reusable raw materials through recycling. This reduces the need for raw materials in the production process. By placing the materials we use into the appropriate recycling bins, we can contribute to the world we live in.



For the Inquisitive Minds, Scientific

Students are asked the following questions:

- Why is your bag made from raw (unprocessed) cloth?



As needs increase, there is also an increase in situations like energy consumption and the use of natural resources. For this reason, events such as global warming and the decrease in the amount of water in the world occur. We can say that one of the reasons causing these is chemical plastic bags, the incorrect storage of bags, and their very frequent use in society.

When plastic bags are left in nature, they harm our world for hundreds of years without decomposing. To prevent this situation, environmentally friendly cloth bags, made from healthy material and fully suitable for recycling, can be used. When cloth bags are used instead of plastic bags, which are banned in thousands of countries, environmental pollution can be prevented by 40% in just one month. Thanks to the reusable feature of cloth bags, both the economy and the environment benefit.

What Have We Discovered?

"Nature is our home and we must take very good care of it. Today, we designed a colorful cloth bag with you. Our bag turned out to be completely eco-friendly. Let's not forget to use our bag for your shopping!" is said. The "Recycling" page is completed from the activity sheets.

Students are asked, "How did you feel during the activity today?"

What Else Can We Do?

Dear Teacher,

You designed environmentally friendly cloth bags with our future scientists. You can encourage them to throw waste into recycling bins at school. You can produce a pencil case using materials from home.

My Recycled Pencil Case

Materials;

- Mixing bowl, scissors, about 1 cup of flour, about 1/3 cup of granulated sugar, about 1 teaspoon of white vinegar, about half a cup of water, food coloring or watercolor paint, cling film, newspapers, stove for the cooking process

1. The adhesive label on the plastic bottle is removed and the bottle is cleaned thoroughly.
2. Since the bottom part of the bottle will be used for making the pencil case, the top part of the bottle is removed with the help of a utility knife and scissors.
3. The flour and granulated sugar are mixed in the bowl.
4. The vinegar is added to the water.
5. The mixture of water and vinegar is poured over the flour and sugar mixture and stirred well.
6. The prepared glue is cooked over medium heat.
7. Once the glue starts to boil, it is removed from the stove and allowed to cool. (You can color it by adding food coloring or watercolor paint to it.)
8. Newspaper sheets are cut into long strips with the help of scissors.
9. The cut bottle is turned upside down and its surface is covered with cling film.
10. A layer is formed by spreading the glue onto the cling film.
11. About 9 layers of the strips cut from the newspaper sheets are glued onto it.
12. The prepared recycling pencil case is left to dry for 2-3 days.
13. Holding the dried pencil case by the cling film, separate it. The pencil case is ready!

Question of the
Day



What else can we do to contribute to our environment in our daily lives?

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