

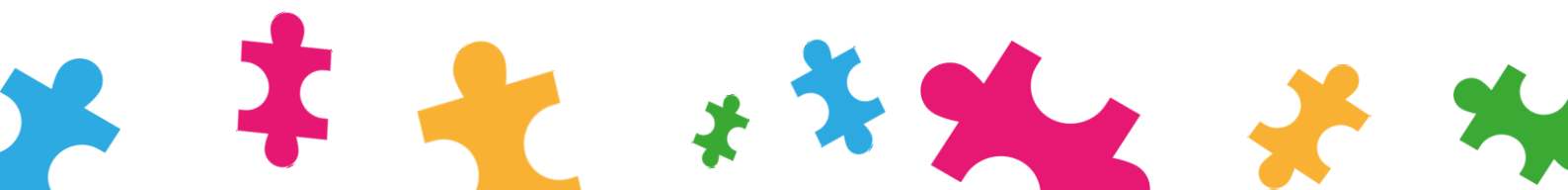


WebQuest
Advanced Level -
Bruised Not Broken

elaborated by UPIT



WEBQUEST TITLE:	Bruised not Broken
WEBQUEST LEVEL	Advanced level
INTRODUCTION	
<p>Waste is any substance that has been discarded after the desired use. Did you know that people produce 2.01 billion tons of waste a year? We produce waste from the things we use every day in our homes. These include: food, plastic, paper, wood, glass, used containers, among many other things.</p> <p>Reducing the amount of waste we produce is an essential step in caring for our planet. It revolves around the concept of the 3 Rs - Reduction, Reuse, Recycling. Every day we throw away kilograms of material that end up in the landfill. We have become a consumer generation, and now is the time to change that attitude. What prevents us from changing our mindset, actively reusing products, donating unused old items, or donating them to charity? Why not try giving your products a new life cycle? In this way, we can all help minimize waste and help the environment.</p> <p>By minimizing waste, we can all help reduce carbon emissions and improve the sustainability of planet Earth. To achieve this, we need to think of a "circular economy" when we think of waste. This will reduce the impact of our "take, do, waste" attitude towards waste. A circular economy promotes lifelong products that can be reused, repaired, modernized and refurbished. This not only reduces the amount of waste sent to the landfill, but also saves resources and reduces air and water pollution.</p>	
TASKS	
<p>We've all heard of the three "R's", reuse, reduction and recycling. While recycling is a critical method of keeping garbage away from landfills, reuse and reduction are often overlooked. The first two "R's" are especially important when dealing with non-recyclable items. Your mission for this WebQuest is to identify an object that is commonly thrown away by your family and to find various ways to prevent it from reaching the landfill. Based on your ideas, design a product that will reuse waste or develop a way to reduce its use. Each student will present the product of reuse or the idea of reduction to colleagues.</p> <p>Remember: be creative!</p>	
PROCESS	
<p>Step 1: What is garbage</p>	



The first step in preparing the presentation will be to start with some research. You want to understand the concept of waste, how it affects the environment and how you can reduce the amount of waste that ends up in the landfill.

To get an idea of recycling and its usefulness, watch the video

What is recycling

<https://www.youtube.com/watch?v=YrylJgY6ihU>

Why it's good to recycle

<https://www.youtube.com/watch?v=2p8totUDOiA>

Less waste

<https://www.youtube.com/watch?v=rZn0CUF7OS0>

Step 2: Reusable other than recyclable

You need to find something that is usually thrown away by your family. It could be anything: shoes, toothbrushes, banana peels, anything. Once you've chosen the item most likely to be found in the trash, you need to determine if it can be recycled or not.

If you can recycle it, you should do so and then choose a non-recyclable item. Once you've made a final decision, start thinking about how you can reuse the item or reduce the overall usage of that product.

Here are some suggestions in the links below:

Repair, recycle, donate

<https://www.youtube.com/watch?v=jGIWfYukB34>

Types of recyclable waste

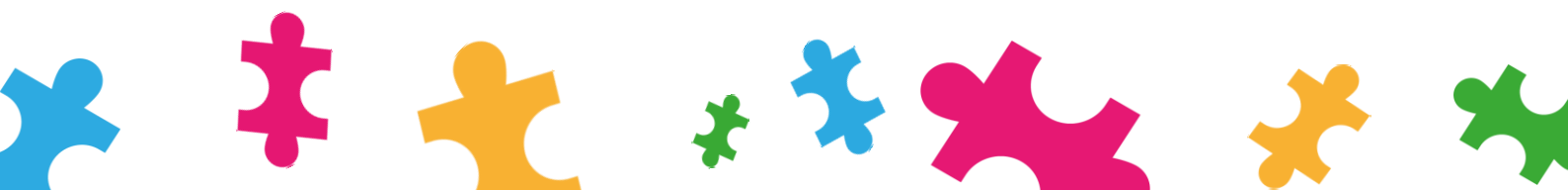
https://www.youtube.com/watch?v=G52vgc_CFes

5 recycling ideas

https://www.youtube.com/watch?v=VMW1K_se3_M

Step 3: Design your product

Now that you have some ideas on how to reuse or reduce the amount of garbage, you'll need to start the design process. Use the following websites as inspiration for your creations. Don't be afraid to be inventive and come up with something new that no one has ever dreamed of.



23 ideas with plastic bottles

<https://www.youtube.com/watch?v=hKp2GJJq3BM>

How to make a crown out of paper tubes

<https://www.youtube.com/watch?v=DsSQHNvY5x4>

Ideas for using plastic cans

https://www.youtube.com/watch?v=u8QdgxUZu_8

Recycle paper yourself

<https://www.youtube.com/watch?v=hKp2GJJq3BM>

If you choose to develop a new product made by reusing waste, the design will have to be in one of two forms:

A physical presentation will be an example of the product you are designing.

An artistic presentation it will be a poster or a diagram of the product.

Make sure you consider using your product, even if it is a work of art!

If you choose to develop a way to reduce the use of the product in its entirety, you will need to have a presentation of your idea, be it physical or artistic.

The presentation should concretely demonstrate how your idea would work to reduce waste!

Step 4: Make the product or plan for reuse

Create your own product using reusable materials from home.

For some ideas, visit the site [Free Kids Crafts](#)

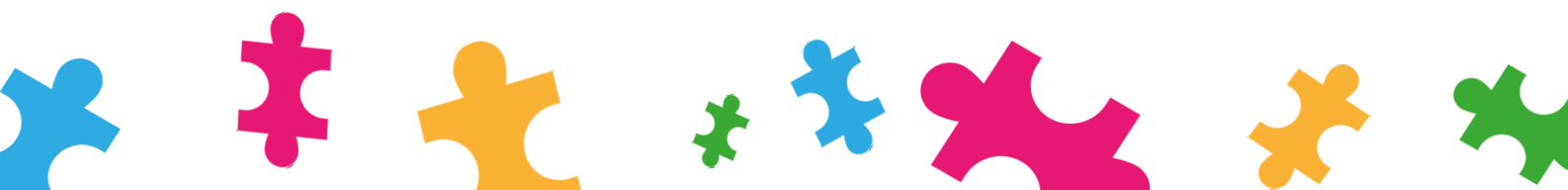
Step 5: Introduce your product or idea

For the presentation you should:

- come prepared with your idea or product presentation,
- explain why the idea or product will work,
- and explain how you can do this.

Following the presentation, the products and ideas will be appreciated by colleagues and voted on.

You can organize an exhibition of objects made by you to show others how objects and materials that you no longer normally use can be reused.





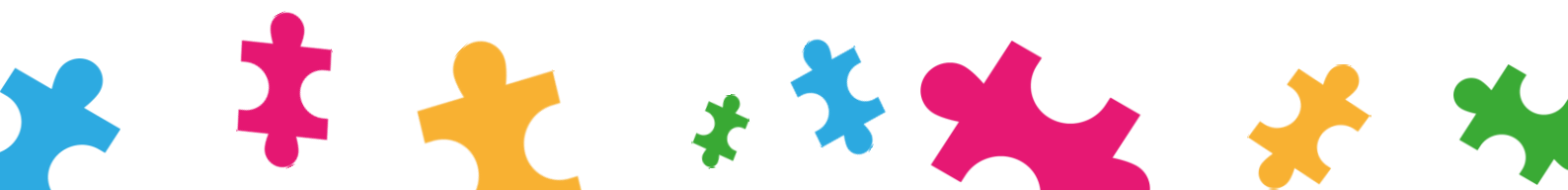
EVALUATION

The number of votes obtained from colleagues and the teacher will be the appreciation of your creation!

CONCLUSION

Congratulations!

Now you know how to appreciate their true value. You are a responsible citizen who knows the difference between reusable and recyclable.



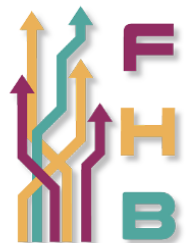


GRETA

Challenge-based Learning in Primary Schools for Climate Change Awareness



Istituto Comprensivo "Don Milani" di Lanciano



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