



WebQuest
Advanced Level -
Bruised not Broken



Challenge-based Learning in Primary Schools for Climate Change Awareness

WebQuest Title:	Bruised not Broken
WebQuest Level:	Advanced Level
INTRODUCTION	
<p>Watch the video and discuss how you felt about the topics shown, how it made you feel. What are your first thoughts?</p> <p>Important facts:</p> <ul style="list-style-type: none"> ● Fossil fuels extraction will triple globally by 2050. ● Mining is the main reason for exploiting the land and destroying the environment. ● Mining companies are growing and with them increasing social and environmental costs. ● By the time we realize it, the destruction has already happened. ● It is human consumerism that has led to the wasteful use of our natural wealth. <p>How can you stop that?</p>	
PROCESS	
<p>Your mission today is to find out how climate change relates to the waste we humans produce, and how to manage this waste. You will also understand what the strategy "RRR - Reduce, Reuse, Recycle" means and how to apply it in your daily life.</p> <p>Your goal is to think about the impact of waste on the environment and to act effectively to reduce waste!</p> <p>* Litter (or waste) is the remains of food and objects that have ceased to serve the purpose for which they were made.</p> <p>First, you will study various pieces of information related to waste and strategies to reduce it, and then prepare an informative video to be posted on your school's website.</p> <p>The work will be done in groups of 3-4 students. Each group will prepare an informative video.</p> <p>Let's get started!</p>	
PROCESS	
<p>Step 1: Waste and climate change</p> <p>How does the waste we produce cause a risk to the environment?</p>	





Read more information below:

Climate and Waste: https://ec.europa.eu/clima/sites/youth/solutions/solutions-waste_el

Why is recycling not enough? <https://www.beconscious.gr/be-eco/57-plastiko-kai-anakyklosi-mythoi-kai-pragmatikotita>

The world's first waste-free community: <https://enallaktikidrasi.com/2017/04/prwti-koinotita-xoris-skoupidia-kosmo-empneoustoume/>

Step 2: Reduce, Reuse and Recycle

They say prevention is better than cure! What does this mean in relation to the waste we produce every day?

To learn more about the 3 RRRs, visit the following link:

What the initials RRR (Reduce, Reuse, Recycle) stand for: <http://rethink.com.cy/el/rrr/ti-einai-to-rrr>

Step 3: Think Reduce...

For a planet with less waste, everyone's goal should be to **Reduce**, i.e., reduce the amount of waste we produce. Also, we should reduce the things we buy (e.g., clothes, appliances).

- **How could you reduce the things you buy to make your life simpler?**
- **What things could you do without and be more aware of what you buy?**

Discuss with your group and write down your ideas here:

<https://docs.google.com/document/d/1-fQKThSE0jR0jLQgIG3IcvqlbxAM5lpLRyTMDTRrTQ/edit?usp=sharing>

Step 4: Think Reuse...

If we need to buy a new product or item, we think about **Reusing** it in the same or a different way. **What do you do with items that are now useless or unnecessary?** (e.g., books, clothes, electrical and electronic appliances, personal items, etc.)

Each group is asked to think about how they can use the items below in a creative way:

Group 1: Jam jars.

Group 2: School books from last year.

Group 3: An electronic device (e.g., computer, PlayStation, tablet) that no longer works.



Group 4: The curtains from your room that you have replaced.

Group 5: Plastic bags from the supermarket.

Step 5: Think Recycle...

Finally, since you have no other choice, you can proceed to **Recycle**. Recycling involves turning waste into raw material to create a new product (e.g., paper that has been sent to recycle can be used to create new paper). Part of recycling is also food composting, in which food becomes fertilizer for plants.

Learn more about recycling bins:

Benefits of recycling: <https://greendot.com.cy/el/koino/giati-na-anakykloso>

How to use recycling bins: <https://greendot.com.cy/el/koino/pos-na-anakykloso>

Composting process:

http://www.ecorec.gr/ecorec/index.php?option=com_content&view=category&id=64&Itemid=537&lang=en

Step 6: The next step...

The next step is for each group to prepare an **informative video** to be published on your school's website. In the video you must explain:

- What litter is and the damage it does to the environment.
- The purpose of the 3 RRRs.
- At least 3 habits that will help reduce waste in our daily lives.

For this activity you will use Powtoon video maker software:

Official website: <https://www.powtoon.com/>

Instructions: <http://asteroeidisd24.blogspot.com/2016/04/powtoon.html>

* In addition, instead of using the Powtoon software, you can use tablets available in school and record yourself. Caution! Prepare your text in advance.





EVALUATION

Check your knowledge!

- 1. Donating material that is no longer in use is a form of...**
 - a) Recycle.
 - b) Reuse.
 - c) Reduce.
- 2. The electrical equipment that I no longer need I will...**
 - a) Throw them in the nearest bin.
 - b) Donate them to municipal facilities or people in need.
 - c) Put them in my storage room.
- 3. The paper is recycled in:**
 - a) Blue bin.
 - b) Brown bin.
 - c) Green bin.
- 4 What is the first step to reduce waste on our planet?**
 - a) Reduce the things you buy.
 - b) Reuse the things you buy.
 - c) Recycle the things you buy.

Conclusion

You have successfully reached the end of the WebQuest!

Today, you had the opportunity to learn about the pollution caused by litter/waste on the environment and explore different methods to reduce it.

It is important that you try to inform as many of your family, friends, or anyone else who you think might be interested in looking after the planet!

After all, do we really need so many things to be happy?





GRETA

Challenge-based Learning in Primary Schools for Climate Change Awareness



Istituto Comprensivo "Don Milani" di Lanciano



Co-funded by the
Erasmus+ Programme
of the European Union

"The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein."

Project Number: 2020-1-EL01-KA201-078808

