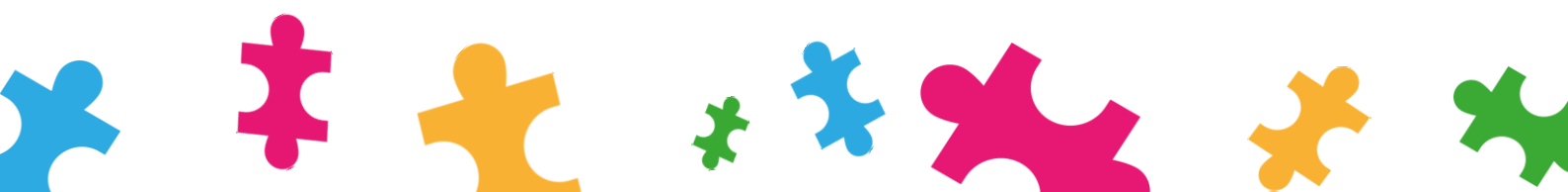




WebQuest
Bruised Not Broken



TITLE OF THE WEBQUEST:	Bruised Not Broken
WEBQUEST LEVEL	Advanced
INTRODUCTION	
<p>We define waste as everything we dispose of, in other words everything that is not reused and recycled. Every day in Europe we produce about 1.5 kg of waste per inhabitant. It is estimated that the yearly amount of waste produced around the world is 2.01 billion tons! Also, it is believed that if we continue without reversing this trend in 2050, the amount of waste will increase by 70%! We will literally be buried by waste!</p> <p>Reducing the amount of waste, we produce is an essential thing to do to take care of our planet and future generations ... which is your future too!</p> <p>This means applying the well-known 3R concept: Reduce, Reuse, Recycle. We are sure that you are already very good at using the appropriate bins when you recycle, and this certainly does help the environment! However, it is no longer enough. It's time we started to reduce our waste production and reuse what we have, even in a creative way! As a consumer society, we continually buy commodities that are doomed to last only for a short span of time, or in which we lose interest soon; this is no longer sustainable though. On top of that, the raw materials that make up the objects we use are mostly difficult to find, or their extraction requires either many resources or the exploitation of people.</p> <p>Most of the waste we produce is made of plastic, which derives from oil, and this means that its release into the environment also produces pollution and the well-known issue of microplastics in the seas. Besides, carbon dioxide is released into the atmosphere in the process of plastic production, which in turn affects climate change!</p> <p>As you can see there are many reasons why it is worth getting involved... Let's save Earth before it's too late!</p>	
TASKS	
<p>Your school has decided to get involved in a project to reduce student waste and prompt students and their families to reuse objects. For example, it would be a good idea to set up a barter market, with old objects that you are fed up with but still in good condition. You may also reuse old commodities in a creative way. You could prepare some informative materials with your classmates and present them to your school peers. Invite them to participate in the market and explain the reasons of this project.</p> <p>Before you get down to business, you will need to do some research to fully understand the issue of climate change and be ready to prepare the material. In this WebQuest you are going to be</p>	



guided through several steps that will help you carry out your task. You will complete the activity in small groups of 2-3 people.

At the end you will present your work together to the class, and the best result will be chosen to be shown to the whole school! You know that the activity you are just about to carry out is a good way to help Earth, so... let's get started!

PROCESS

Step 1: Inquire before acting

The first part of the job consists in informing you about what waste is, what are disposal and recycling methods and what environmental damage they cause. Try to get the essential information so you can use it in your presentation.

For more information on waste and how to dispose of it:

What waste is: https://www.treccani.it/enciclopedia/rifiuti_%28Enciclopedia-dei-ragazzi%29/

What the 3Rs are and some practical advice on their implementation:
<https://www.youtube.com/watch?v=X2J9gui16zl>

For more information on the impact of waste on the environment:

Plastic pollution <https://www.nationalgeographic.it/ambiente/2020/01/tutto-quello-che-ce-da-sapere-sull'inquinamento-da-plastica>

Waste impact: <https://www.youtube.com/watch?v=9xZM03vaja8>

Step 2: Reduce and reuse

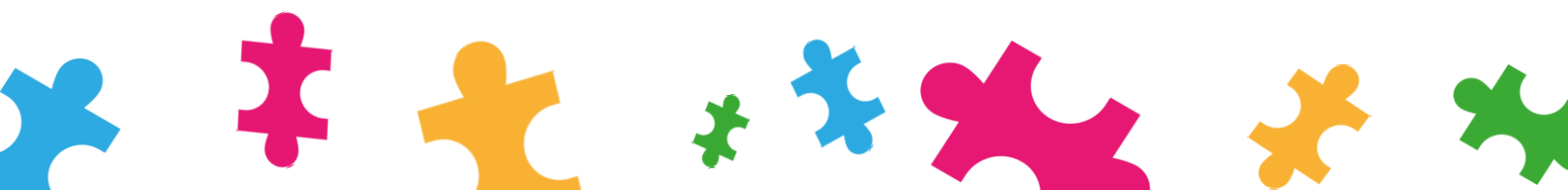
Now that you understand what a big problem waste is for humanity (and what role humans play in its production), you can start thinking about how to reduce the amount of waste you produce and how to reuse old objects and materials. Here you will find hints and ideas to create your informative material and participate in the barter market!

Tips to reduce your waste: <https://kids.nationalgeographic.com/explore/nature/reduce-your-waste/>

Creative Recycling: <https://www.cosepercrescere.it/category/bricolage/costruire-riciclando/>

Video on how to recycle bottles: <https://www.youtube.com/watch?v=lcPvuLkxm18>

Step 3: Mind-map



Now that you have all the information you need, you are ready to make your presentation. But first of all, you need to brainstorm and make a mind-map. It will be useful for both deciding what to include in your presentation and remembering information. You may as well decorate your mind-map to make it more engaging. You do hope that your work can make a difference in your school and that it is useful in order to promote eco-friendly initiatives that reduce waste.

It may be helpful to create a mind map with your group to pinpoint all the significant aspects you want to deal with in your class presentation. Don't forget to address these aspects:

- What is waste?
- What are the main types of waste?
- Why should we reduce the amount of waste produced?
- How can we reduce plastic waste?
- Why is all this good for the environment?
- How do you plan to organize the barter market?

For more information on how to create a mind map, click on the following links:

<https://www.lucidchart.com/pages/how-to-make-a-mind-map>

<https://www.youtube.com/watch?v=wLWV0XN7K1g>

<https://simplemind.eu/how-to-mind-map/basics/>

For examples of mind maps, click on the following links:

<https://www.mindmeister.com/blog/mind-map-examples/>

<https://venngage.com/blog/mind-map-templates/>

Step 4: Plan your presentation

After having pinpointed the significant aspects with your group, it is time to make your presentation. In order to make it more engaging and to get the message across, it should include visual and video aids. Alternatively, you could use only the information you searched for, but remember to include engaging images to capture your classmates' attention.

To learn how to create an effective presentation using Google Slides, click on the following links.

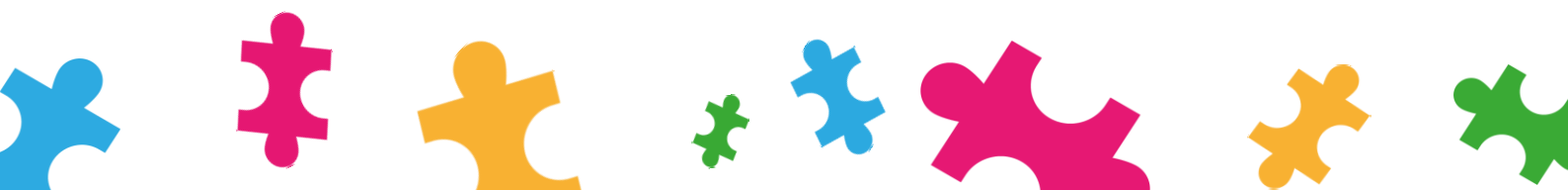
Google Slides Tutorial:

<https://www.brightcarbon.com/blog/how-to-make-an-interactive-presentation-in-google-slides/>

How to create Power Point on Google Slides:

<https://slidesgo.com/slidesgo-school/google-slides-tutorials>

Advanced features of Google Slides:



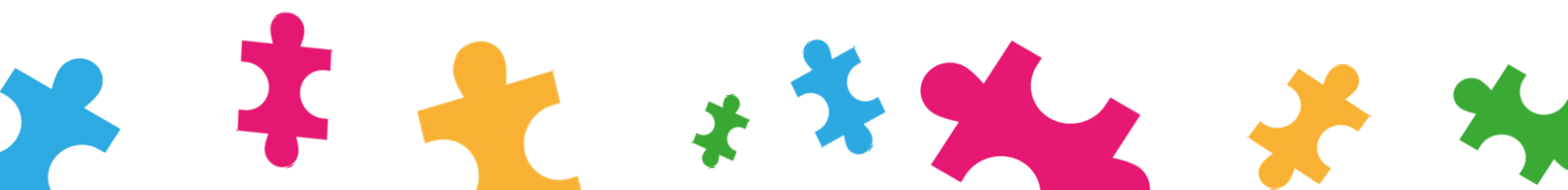


<https://www.youtube.com/watch?v=rIKd6glWeKs>

20+ tips for a Google Slides presentation:

<https://business.tutsplus.com/tutorials/using-google-slides-tips--cms-29321>

Once the presentation has been created, it may be useful to make a test presentation within the team before delivering it in front of the class. Do not forget to give the opportunity to speak to all group members and, more importantly, smile!



Step 5: Challenge Day.

And here is the competition day! It's time to show the presentation to your class and school. You have worked hard and are confident that you can inform your peers about e-waste and how to reduce, recycle and reuse it. You are proud to present this eco-friendly initiative to promote circular economy of electronic waste in your school and you are to win! Make sure everyone remembers the importance of extending the life cycle of the objects we buy to protect our planet.

For more information on how to prepare a presentation, click on the following links:

Presentation tips: <https://www.skillsyouneed.com/present/presentation-tips.html>

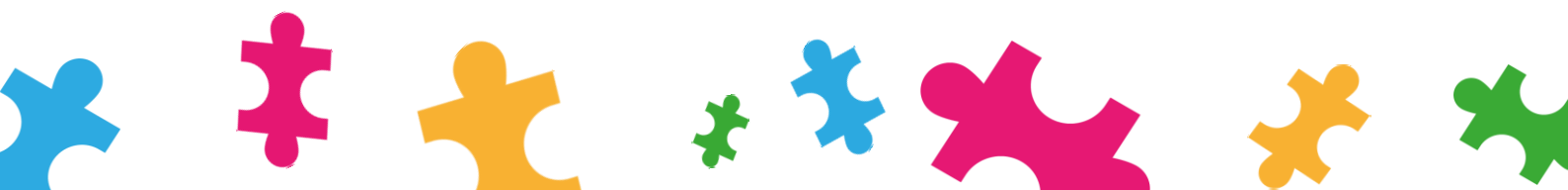
Presentation skills: <https://www.youtube.com/watch?v=8lbheB2-ixM>

Tips for presenting: <https://www.duarte.com/presentation-skills-resources/tips-for-kids-to-nail-presentations/>

To choose the best presentation, you may find it useful to fill in the following form:

To be fully filled in	EXCELLENT 4	VERY GOOD 3	GOOD 2	SUFFICIENT 1	REPORT THE SUBTOTAL
GRAPHICAL ASPECT					
ORIGINALITY OF THE PROPOSAL					
FEASIBILITY OF THE PROPOSAL					
ACCURACY AND CLARITY OF PRESENTATION					
EFFICIENCY IN EMISSIONS' REDUCTION					
	TOTAL				

EVALUATION





Choose a score from 1 to 4 where 1 means never, 2 sometimes, 3 enough and 4 always.

1. Did I show interest in the activities I carried out?

2. Did I respect my role and the assigned task?

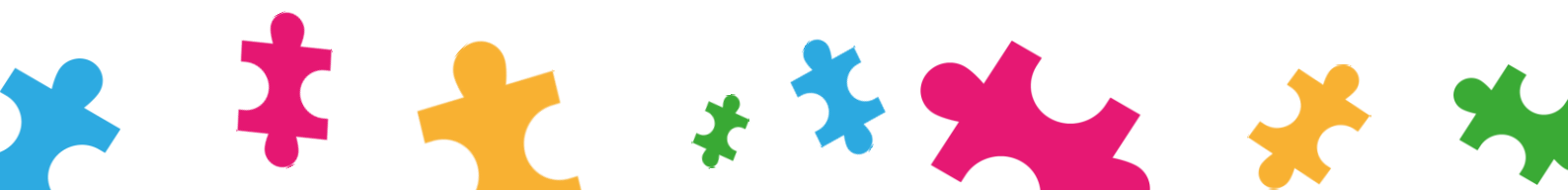
3. Did I collaborate with the group?

4. Did I meet the deadlines required to finish the job?

5. Did I encounter any difficulties?

• What you liked the most or what you liked the least? Provide a short answer.

CONCLUSIONS





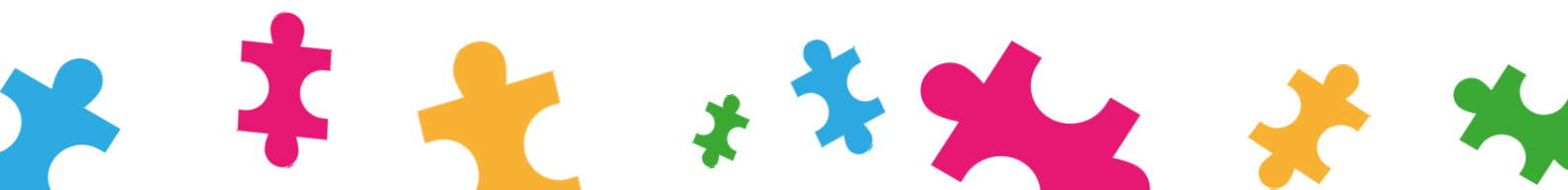
Congratulations! Performing this task, you have shown that you know how to prepare an engaging presentation and, above all, that you have learned a lot about waste and electronic waste and how to reuse it. Thanks to you and your market, your school will be more careful and give a new life to used objects before throwing them away!

“Buy less, choose well.”

– Vivienne Westwood,



<https://pixabay.com/illustrations/save-protect-forward-obtain-rescue-4076853/>



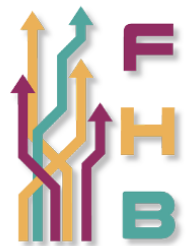


GRETA

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

