



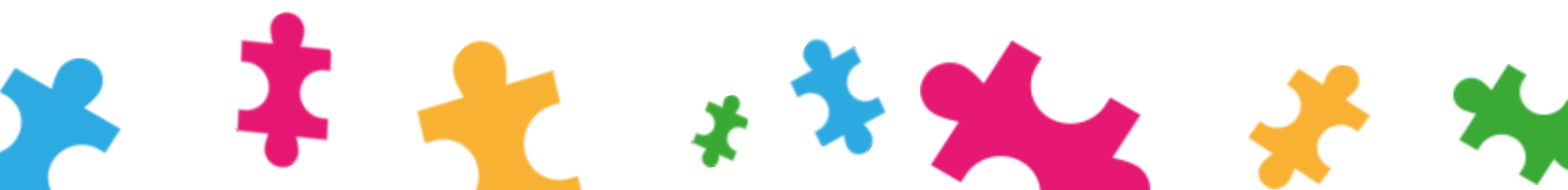
WebQuest

Introductory Level -
Let's cool the Earth again

Prepared by UPIT



WEBQUEST TITLE:	Make the Earth cool again
WEBQUEST LEVEL:	Introductory level
INTRODUCTION	
<p><u>Global warming</u> is the term used to describe the increase in average temperature on Earth.</p> <p>It has to do with the general climate of the Earth, rather than the weather on a given day.</p> <p>To understand global warming, it helps to know what it <u>is greenhouse effect</u>. As you might expect from the name, the greenhouse works ... like a greenhouse! A greenhouse will catch the heat of the sun inside and stay warm even at night or in winter, when the temperature outside is falling. The greenhouse effect works in much the same way on Earth. Atmospheric gases, such as carbon dioxide, capture heat just like the glass roof of a greenhouse. When this happens, it is called the <u>greenhouse gas effect</u></p> <p>Human activities change the Earth's natural greenhouse effect by increasing the amount of carbon dioxide and other gases in the atmosphere. Too much of these greenhouse gases can cause the Earth's atmosphere to accumulate more and more heat. This causes the Earth to heat up.</p> <p>Fortunately, there is still hope to stop global warming! Mankind is aware of its negative effects and has begun a series of actions to prevent global change and stop global warming. Understanding the phenomenon and knowing its effects will help you become an active part of the solution!</p>	
TASKS	
<p>You have learned what global warming is and now you want to make a difference.</p> <p>Do you think it would be great to tell others in your school how important it is to make small changes in our daily activities that can fight climate change and make the Earth cool again? You want to take care of the planet and encourage others to do the same.</p> <p>First, you need to find data and information on how people can make small changes that will reduce global warming. You hope that this will help your school and even members of your community make a difference to help the planet.</p> <p>To convey the message and spread the word, you will create a collage that you can display in your school to show teachers and students how they can make the Earth cool again. A collage is a piece of art made by gluing various materials, such as photos, and pieces of paper or fabric onto a medium.</p> <p>In this WebQuest, you'll follow the steps below that will help you and your classmates learn about global warming and how it affects the environment. You will make a collage in small groups of 2 or 3 students. At the end, you can present the collage at school, thus encouraging</p>	



others to make a big difference through small actions. You hope that this will help others discover ways in which they can begin to make a difference. Let's begin!

PROCESS

Step 1: Find information, figures and materials

To get started, think about all the information, photos, various materials, and interesting facts that you want to include in your collage. You need to make sure that you mention what global warming is and how it is adversely affecting the planet.

Below you will find some information on this topic.

Even small variations in the average temperature of the planet can have a major impact on the environment. Here are some things that scientists believe can happen as temperatures rise. Some of them are already happening:

- Glaciers will melt
- Ocean levels may rise, leading to flooding in coastal towns
- Extreme weather conditions may occur
- Some animals will migrate, which may put some species in danger of extinction
- Changes in ecosystems will occur, cold-weather biomes such as tundra will shrink, while deserts will expand (a biome is a large community of vegetation and wildlife adapted to a specific climate. The five major types of biomes are aquatic, pasture, forest, desert and tundra.)



To learn about climate change and global warming, click on the following links:

What is climate change: <https://www.natgeokids.com/au/discover/geography/general-geography/what-is-climate-change/>

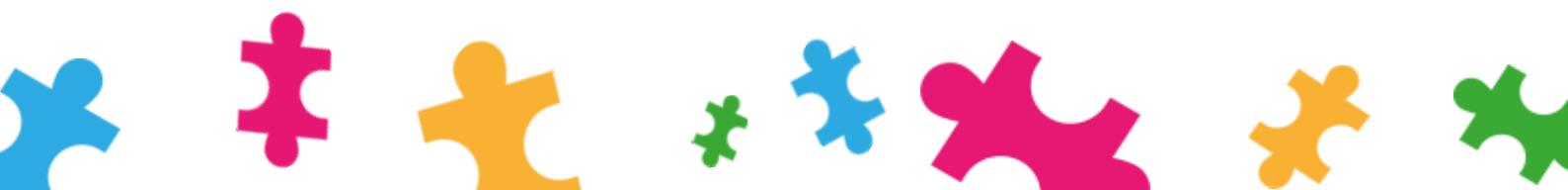
Global warming for children: <https://www.britannica.com/kids/article/global-warming/353185>

Global warming: <https://kids.britannica.com/kids/article/global-warming/353185>

To learn about the negative effects of global warming on the environment and the world, click on the following links:

Global Warming - Final Round :<https://www.youtube.com/watch?v=Y3ggoDUtmt4>

NASA's Earth Minute: Rising Water Level: <https://www.youtube.com/watch?v=msnOHuPep9I>



Important message from the future - Take action on climate change:

<https://www.youtube.com/watch?v=K16Efh4kxSk>

Plants, animals and ecosystems:

<https://archive.epa.gov/climatechange/kids/impacts/effects/ecosystems.html>

Impact of climate change on plants and animals: <https://www.youtube.com/watch?v=yD6khRIL0tc>

To learn how to reduce global warming and why it's important, click on the following links:

What are the most important things children can do to prevent global warming?

<https://www.amnh.org/explore/ology/earth/ask-a-scientist-about-our-environment/how-can-kids-help-prevent-global-warming>

Ecological schools - what your school can do: <https://climatechangeconnection.org/resources/climate-friendly-schools/what-to-do/>

Global warming for children: A guide to global warming

prevention: <https://www.persil.com/uk/sustainability/sustainability-for-kids/how-to-prevent-global-warming-a-guide-on-global-warming-for-kids.html>

Step 2: YOU CAN MAKE A CHANGE!

You want to show people the importance of global warming and its negative effect on the environment. You know that by helping people understand the problem and make small changes, we can all protect the planet. You decide to find out how we can all slow down or even turn off global warming and what options we have for making the Earth cool again.

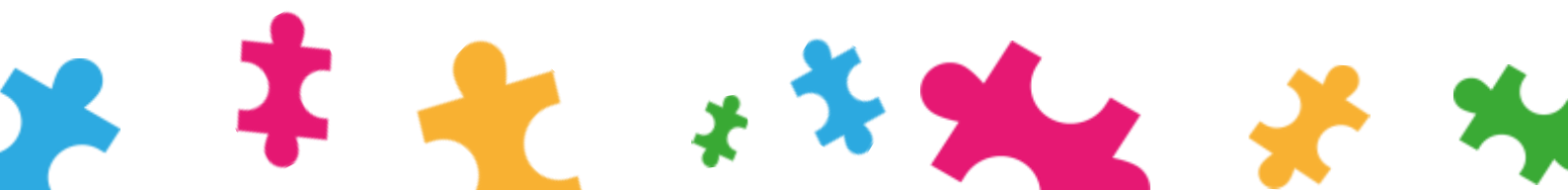
Here are some ideas that might help you:

- uses energy and water wisely
- less fossil fuels
- reducing deforestation
- don't waste food
- less waste (reuse and recycling)
- plant trees

For more information on how to save the Earth from climate change and global warming, click on the following links:

How to help reduce global warming (children): [https://www.wikihow.com/Help-Reduce-Global-Warming-\(Kids\)](https://www.wikihow.com/Help-Reduce-Global-Warming-(Kids))

13 ways to save the Earth from climate change <https://kids.nationalgeographic.com/explore/nature/save-the-earth-hub/13-ways-to-save-the-earth-from-climate-change/>





Step 3: Design time

Now that you know all about global warming and how harmful it is to the environment, it's time to create your own collage. The collage should be colourful and interesting, with good information (real facts, materials and images) so that people can learn how to reduce or even stop global warming. You can search for examples of collages on the internet or, maybe you have some good ideas, and you want to create your own collage!

You can use different types of materials and paints, even attach small objects, use your own images or drawings, you can make collage on paper, cardboard or canvas. You can also create the collage on your computer using different images and slogans.

For tips on how to create a collage or what materials you can use, visit the following sites:

How to make a collage: <https://www.thesprucecrafts.com/how-to-make-a-collage-1249494>

Paper collage in 15 minutes: <https://www.100directions.com/make-paper-collage-art-in-15-minutes/>

How to make a collage - Materials, Composition, Tips: https://www.youtube.com/watch?v=sLooH5Y_Rk8

Here you can find inspiration, some examples of collages:

[Image0849.jpg \(575 × 434\) \(bp.blogspot.com\)](#)

[leilas-global-warming-collage-1-728.jpg \(728 × 728\) \(slidesharecdn.com\)](#)

http://irepo.primecp.com/2015/03/209172/Easy-Earth-Day-Collage_Large400_ID-882025.jpg?v=882025

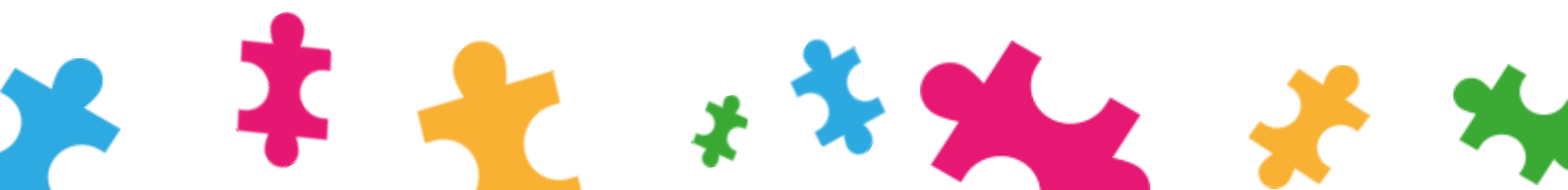
[img_1173.jpg \(2610 × 2080\) \(wordpress.com\)](#)

In the link below you can see how to create a digital collage:

Beginner to Advanced: 4 Ways to Make a Digital Collage: <https://www.shutterstock.com/blog/how-to-make-a-collage>

How to create a digital collage with Picmonkey: <https://thegraphicsfairy.com/create-digital-collage-picmonkey/>

If you decide to create a digital collage, in the end it should look like this:



[wed_2011_collage_1.jpg \(770 × 578\) \(oasiswebsite.com\)](#)

<http://image.slidesharecdn.com/environment-collages-mr-west-group1-1232971460266154-3/95/environment-collages-g1-6-728.jpg?cb=1232950279>

<https://image.slidesharecdn.com/environment-collages-mr-west-group1-1232971460266154-3/95/environment-collages-g1-19-728.jpg?cb=1232950279>

Here you will find templates for digital collages and programs for creating digital collages:

<https://poweredtemplate.com/word-templates/collage.html>

Adobe Spark Collage Maker: <https://spark.adobe.com/make/photo-collage-maker/>

Top 15 tools for creating collages in 2021: <https://www.creativebloq.com/features/collage-maker>

EVALUATION

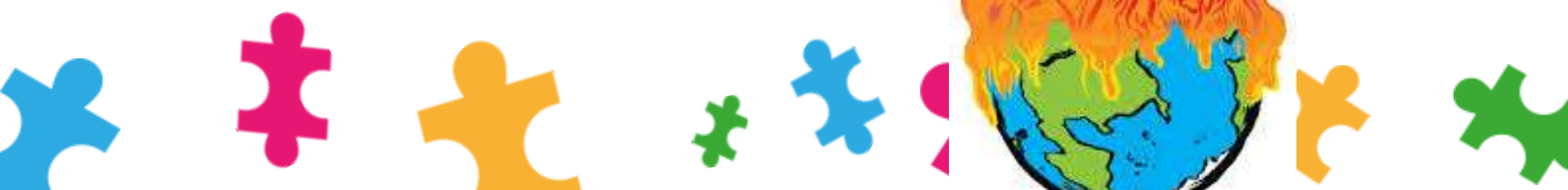
At the end of this WebQuest, the teacher can use these questions to find out what students think about this activity:

- What did you learn from this activity? Can you mention 3 things?
- Can you explain why it is important to prevent global warming and thus protect the environment?
- What is the most important thing you learned in this WebQuest that you could tell a friend or family member?

CONCLUSION

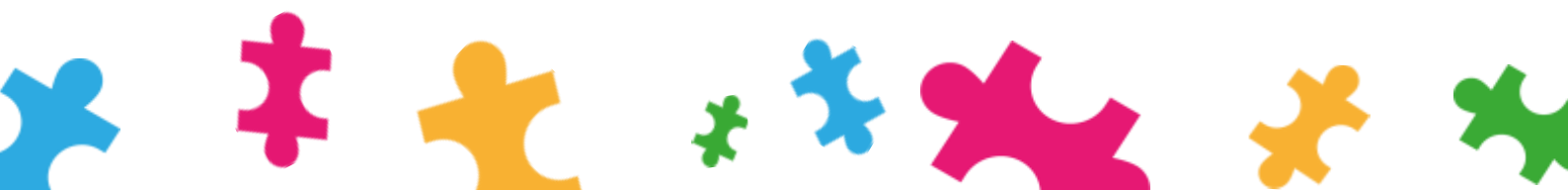
Congratulations! You and your classmates have successfully discovered and raised awareness about global warming. You made great collages and helped everyone in your school be aware of the impact of climate change on the planet.

You have learned that any small action can make a difference!
Remember that our Earth suffers from global warming:





And that you can protect and save it, make the Earth cool again!





GRETA

Challenge-based Learning in Primary Schools for Climate Change Awareness



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AKLUB



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