

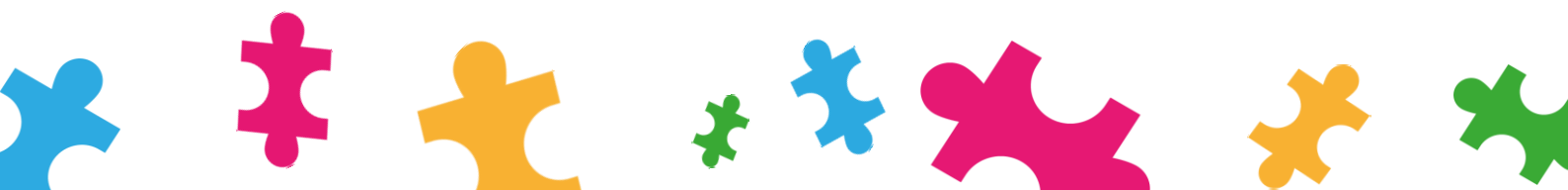


WebQuest

We are what we breathe



TITLE OF THE WEBQUEST:	We are what we breathe
WEBQUEST LEVEL	Introductory Level
INTRODUCTION	
<p>We are what we breathe. But what sort of air do we breathe?</p> <p>Over the millennia, humans have gradually integrated into the natural environment, and learnt how to exploit its resources, by modifying the territory through their economic activities. Until a few centuries ago, humans had not affected the climate, but in the last two centuries the impact of human activities has produced severe climate change thus causing global warming.</p> <p>On a global scale, one out of four deaths seem to be caused by environmental factors such as air pollution, water and soil contamination, chemical exposure, climate change, ultraviolet radiations. It has been proved that these factors are responsible for at least 100 types of illnesses and injuries.</p> <p>The less air pollution, the better for everyone's health. It sounds like a very simple statement; it is much more difficult to make it happen though. This statement sums up on the one hand what we need to do to improve the world health conditions; on the other hand, the difficult implementation of this objective.</p> <p>Environmental pollution and the tangible consequences on the population health represent a growing concern for both citizens and people working in the health system.</p> <p>What can we practically do to reduce environmental pollution?</p> <p>The answer to this question is neither unequivocal nor obvious. To tell the truth, it is difficult to find effective solutions in the short term, but one should also be aware that a lot has been done both in Italy and in Europe. Furthermore, in comparison to a few years ago, the levels of air pollution have improved, and it is rare that the EU's air pollution standards are exceeded.</p> <p>The solution is to switch from fossil fuels, which are very harmful indeed, to renewable energy sources; we also need to act more responsibly to reduce our energy consumption, the production of pollutants and climate altering substances.</p>	
TASK	
<p>You have discovered the consequences that air pollutants have on citizens' health and now you want to contribute to their reduction. But how? Are you worried about climate change? Do you care about reducing carbon dioxide emissions?</p> <p>You can start by acting more responsibly by reducing your carbon footprint in everyday life. Every single step, however small it seems, matters. Where do we start?</p> <p>First, it is important to gather information on how small changes can be made to reduce air pollutants. To spread the necessary information to make the air in your city better, you will need to</p>	



make an online flip magazine that will be distributed in the schools in your city to raise awareness among teachers, students and their families. Now you just must follow the next steps.

In this WebQuest you will be guided through a series of activities that will help you and your classmates learn all about it. You will complete the activities in small groups of 3-4 people, each group will have the task of writing an article on the topic. At the end of the ice-breaking phase, you can move on to the planning stage. The best work will be selected and win. Good luck!

PROCESS

Step 1: Collect facts, pictures and data

To get started, think about all the interesting information, pictures, and facts you want to include in your online magazine.

1) Collect data on air pollution, both globally and locally.

Here is a map of world air quality: <https://waqi.info/it/>

Information on air pollutants: <https://www.focusjunior.it/scienza/ambiente/inquinamento-atmosferico-che-cosa-ce-dentro-allaria-che-respiriamo/>

2) Search for information on the consequences of air pollution on human health

<https://www.focus.it/scienza/salute/smog-e-salute-gli-effetti-dell-inquinamento-atmosferico-sul-corpo-umano>

3) Collect information on the effects of atmospheric pollution on the environment.

<https://www.inquinamento-italia.com/inquinamento-atmosferico-gli-effetti-sull-ambiente-culture-alberi-animali-selvatici/>

4) Find tips on the best ways to reduce polluting emissions.

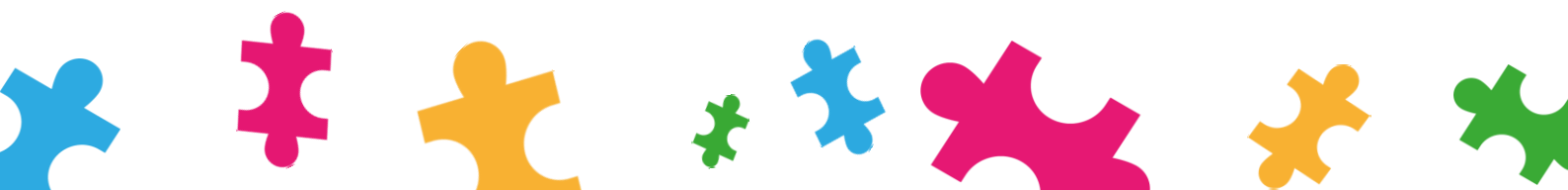
<https://www.wikihow.it/Attivarsi-per-Ridurre-l%27Inquinamento-Atmosferico>

5) Make posters and a PowerPoint presentation.

6) Turn the presentation into an online magazine.

7) Report on what has been learned.

Step 2: Students at the forefront line



It is important to understand what the possible solutions to environment protection are, by reducing the use of non-renewable energy.

Here are some ideas to help you:

- Ride a bicycle, take public transport, or bike sharing
- Choose products that are plastic-free
- Don't forget to recycle or reuse packaging materials
- Buy organic fruit and vegetables
- Buy shampoo and soap made with natural ingredients.
- Buy local products. This reduces the consumption of fuels used for transport.

For more information on **how to reduce pollutants**, click on the following links:

- Check out other eco-friendly ideas: ec.europa.eu/clima/citizens/tips/
- Watch this video: [youtube.com/EUClimateAction](https://www.youtube.com/EUClimateAction)

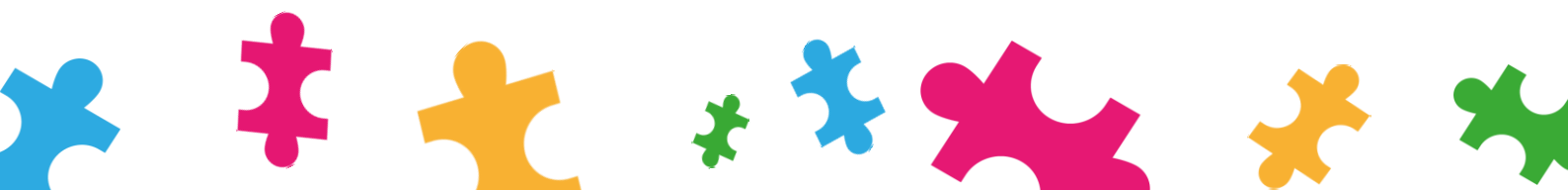
Step 3: Design Time

Now that you know everything about the health of the planet and how to help it for our safety, you can start planning your work. Undoubtedly your flip magazine will be persuasive and interesting, and this is because you know it could help improve people's health in your city.

Evaluation

At the end of this WebQuest, you can use these questions to find out how you carried out this task and your level of satisfaction:

- What did you learn from this activity? Can you mention 3 things?
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- Why is it important to reduce our use of fossil fuels?
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- Was it a real teamwork, everyone doing their part, or was the workload for each of you uneven?
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- In your opinion, what is the most important thing you have learned that you could tell a friend or family member?





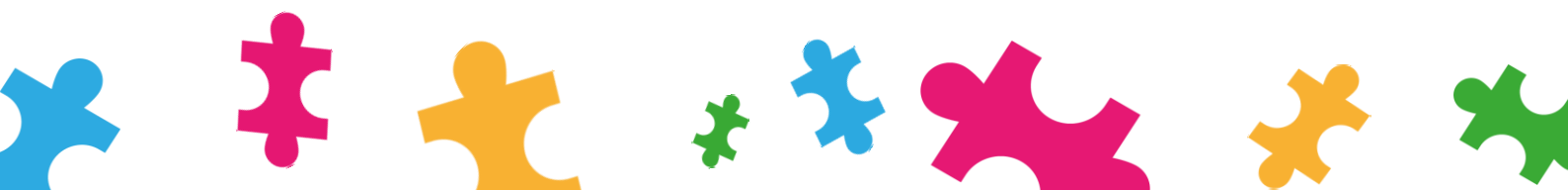
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CONCLUSION

Congratulations! You and your classmates have discovered the right ways to protect the environment and raised awareness within the school community in your city. You have learned that every little thing makes the difference and that you are saving Earth.

Don't forget:

IT'S NEVER TOO LATE TO "FIX" THE CLIMATE





GRETA

Challenge-based Learning in Primary Schools for Climate Change Awareness



Istituto Comprensivo "Don Milani" di Lanciano



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