




WebQuest

Introductory Level-

We are What We Breathe



Challenge-based Learning in Primary Schools for Climate Change Awareness

WebQuest Title:	We are What We Breath
WebQuest Level:	Introductory Level
INTRODUCTION	
<p>Close your eyes and imagine you are asleep. At 7 o'clock in the morning, you must wake up to go to school. You open your eyes and look out the window. From now on this will be your view:</p>	
	
<p>Source: https://www.freepik.com/premium-photo/smog-among-silhouettes-buildings-sunrise_6178456.htm#page=1&query=air%20pollution&position=11</p>	
<p>Exchange opinions with your team on how you feel and why.</p>	
<p>This phenomenon is called air pollution. Air pollution happens when gases, smoke or dust and stench (or pollutants) get into the air and contaminate the air we breathe. Air pollution is harmful to people, animals, and plants. The World Health Organization says that air pollution kills about 7 million people every year.</p>	
<p>People, animals and plants get the oxygen they need by breathing air from the atmosphere. It's a natural process and we don't think about what's in the air we breathe. But in addition to oxygen and other elements, air contains pollutants that are harmful to health. Air pollution is a problem that affects life around the world.</p>	
<p>Pollution is mainly caused from the result of activities that humans engage in. Examples of pollution in our daily lives come from working factories and industries expelling contaminated fumes into the atmosphere also different means of transport such as trains and cars can cause pollution, we can also send polluted air up into the atmosphere by having bonfires etc when burning household rubbish. Conserving energy consumption in our homes is very important.</p>	
TASKS	



Your mission today is to explore how air pollution is bad for the health of all living organisms and find out what we can do to deal with this problem.

During the lesson, you will work in groups of 3-4 students. First, you will collect the information you need and then each group will create a poster. The poster will show how air pollution is bad for people's health.

Let's get started!

PROCESS

Step 1: What is air pollution after all?

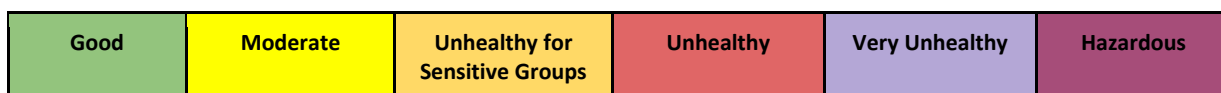
To better understand what air pollution is, watch the video below:

Video: https://www.youtube.com/watch?v=FEImgcL_XEQ&t=126s

Step 2: Air pollution... in numbers

Now that you understand what air pollution is, let's look at what is happening on the planet. Scientists can monitor the quality of the air we breathe in different countries around the world through a program.

The scale below shows the air quality measured every day:



Click [here](#) to see air quality in different cities and countries. By hovering your mouse over the flags, you can see the city you are in and the air quality.

Remember that the higher the number you see, the higher the air pollution.

Take a few minutes to explore whichever countries you want! Then locate Cyprus and write down the air quality for each city and colour each box with the appropriate colour.

Cyprus	Air Quality
Limassol	
Paralimni	
Paphos	





Larnaca	
Nicosia	

- What do you notice?
- Why is the air quality different in each city? Discuss the reasons.

Step 3: About our health...

Discuss how air pollution makes life more difficult for people, animals, and plants. You can also read the text below:

- Air Quality in Cyprus: <https://www.airquality.dli.mlsi.gov.cy/el/kids-corner>

Step 4: It is time for your poster!

Now that you've gathered the information you need, it's time to prepare a poster to share the message you want.

Your poster should:

- Briefly explain what air pollution is.
- Show the damage it causes to the health of all living organisms.
- Presents solutions to reduce air pollution.

The secrets of a poster:

- A title that catches the reader's attention.
- Useful information - short texts.
- Images that support the content of the poster (not just for decoration!).

You can find poster examples here:

<http://kainotomoume.blogspot.com/2013/10/2-1.html>

<http://kainotomoume.blogspot.com/2015/04/>

Place your poster in a central location in your school. At break time invite classmates, teachers, and school staff to review your poster.

Be prepared to explain your poster to your audience!!!





EVALUATION

As part of the evaluation, you are invited to exchange posters with another group. Study the poster you have been given and discuss whether it has managed to convince you.

Consider the criteria below:

- Is the title relevant to the poster?
- Is the title interesting and attractive?
- Does the poster contain only important information?
- Is the information brief?
- Are the images interesting?
- Are the images relevant to the content of the poster?

CONCLUSION

Congratulations! By completing this WebQuest you have managed to be informed and to raise awareness about air pollution in your school community.

Change is in your hands!



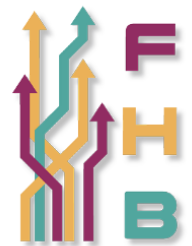


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