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**EMBEDDING SUSTAINABILITY SKILLS IN TOURISM  
EDUCATION AND TRAINING**

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Project No. : 2020-1-PL01-KA202-081845

<b>THEME ALLOCATED:</b>	Greenhouse Gas Emissions (GHG) – core level
<b>PARTNER ORGANISATION:</b>	Promimpresa
<b>TITLE OF THE WEBQUEST:</b>	Global Warming
<b>INTRODUCTION:</b>	
<p>Tourist movements contribute to greenhouse gas emissions. These emissions reflect the growth of tourist mobility, with more frequent departures and shorter stays at more distant destinations. The tourism transport intensity (number of km travelled per night stayed) is increasing and the means of transport used is evolving more towards cars and aeroplanes.</p> <p>In this webquest we are discussing not only mankind's greatest threat but of all living things and yes, it's really happening, global warming is here right now.</p> <p>The webquest will teach you about what is global warming &amp; what causes global warming.</p>	
<b>TASKS</b>	
Answer simple questions about the global warming and its after effects, with the help of given links.	
<b>PROCESS</b>	
<b><u>Step 1: Read some background information on global warming &amp; how it is happening:</u></b>	
<p><a href="#">Global Warming 101 - Definition, Facts, Causes and Effects of Global Warming</a></p> <p><a href="#">What Is Global Warming?</a></p> <p><a href="#">Causes and Effects of Climate Change   National Geographic</a></p> <p><a href="#">The Greenhouse Effect   A Student's Guide to Global Climate Change   US EPA</a></p>	
<b><u>Step 2: Be sure to understand the impact!</u></b>	
<p>Be sure to understand the impact!</p> <p>Go to this website: <a href="https://phet.colorado.edu/en/simulation/legacy/greenhouse">https://phet.colorado.edu/en/simulation/legacy/greenhouse</a></p> <p>Click the play icon, which will download the simulation. Click run.</p> <p>On the GREENHOUSE EFFECT tab, set greenhouse gas concentration to NONE.</p> <p>What is the temperature reading?</p> <p>Now add 3 clouds.</p> <p>What is the temperature reading after adding 3 clouds? How was temperature affected by the clouds?</p> <p>Set cloud count back to zero and set greenhouse gas concentration to LOTS.</p> <p>What is the temperature reading? How does the temperature compare to when there were no greenhouse gases in the atmosphere?</p>	
<b><u>Step 3: What can you do?</u></b>	

Find out the answers at the following links:

[What You Can Do | A Student's Guide to Global Climate Change | US EPA](#)

[6 Ways to Reduce CO2 Emissions in Industry and Fight Climate Change](#)

[How to Reduce Carbon Emissions: 6 Ways to Reduce Emissions - 2021](#)

[How to reduce your carbon footprints](#)

### EVALUATION

1. How does a greenhouse work? \_\_\_\_\_  
\_\_\_\_\_

2. Is the greenhouse effect bad for earth? Why are we worried about the greenhouse effect?  
\_\_\_\_\_  
\_\_\_\_\_

3. What are 2 ways we can reduce carbon dioxide emissions?  
a. \_\_\_\_\_  
b. \_\_\_\_\_

### CONCLUSION

Upon completion of this webquest, you should be able to understand more about global warming

- how it affects living things
- various natural disasters
- how it is caused

Everyone should come together to prevent this great disaster!

