

The Great Barrier Reef

WebQuest Description: This is a webquest designed for students in year 5 & 6. The webquest allows students to employ skills of finding, interpreting and using information to understand the impact of human influences on environments, in this case- the Great Barrier Reef.

The students will use an Inquiry-Based approach to complete these tasks, meaning they will gain a lot more out of it than just dry facts.

Grade Level: 3-5

Curriculum: Social Studies

Keywords:

Published On: 2011-04-07 08:20:39

Last Modified: 2011-04-04 03:18:45

WebQuest URL: <http://zunal.com/webquest.php?w=94400>

Introduction

Welcome to the BEAUTIFUL Great Barrier Reef! The Great Barrier Reef is located on the east coast of Tropical North Queensland, and is one of Australia's most popular tourist attractions. It is known for its beauty, but unfortunately is under great threat. Click on the triangle to play the Youtube clip below.

Tasks

Pretend you are a marine biologist working in far north Queensland. You have just been given a job by the Federal Government, to find out about what is killing the Great Barrier Reef. You will need to report back to the Prime Minister of Australia explaining what is happening to the reef, why it is happening, how to fix it and why the Great Barrier Reef is so important to Australia and the world.

Process

Remember back to the Youtube clip on the "Introduction" page. Watch this video again if you need to. Make a list of things you now know, or already knew about the Great Barrier Reef. This list will be important to use later, so make sure you put it somewhere special. Click on the link "Great Barrier Reef Website" in the Resources list. On this website there is a lot of important information that you can read to learn about the Great Barrier Reef and its threats. Using your own words, Make a Fact Sheet using the following headings: "Location", "Temperature", "What caused the Great Barrier Reef", "Habitat for ...", "Threats" and "Other Interesting Facts". Experiment time. Find a partner. Get two cups, a thermometer and two tablespoons of salt. Find out the average water temperature of the Great Barrier Reef (this is in one of the links below). Put one tablespoon of salt in each cup. Try and make sure one of the cups is at the same temperature as the Great Barrier Reef's water. See what happens to the salt when it is in warmer water. Write down what you and your partner thought would happen and what did happen (on the bottom of your fact-sheet). Reporting time. Using what you have learned during the previous tasks, you now have to create a Power Point Presentation or Report to give to the Prime Minister explaining what is happening to the Great Barrier Reef, why it is happening, and how to fix it. You also have to decide whether having tourists swimming in the reef is a good or bad thing for Queensland.

Evaluation

You will be assessed by your teacher on all the tasks that you were asked to do. These may not be graded, but will contribute to your overall mark for this subject. Ensure that all your work is completed and in your portfolio ready for the teacher to see. Also, you need to answer these questions on a piece of paper to hand to your teacher once you have finished the web quest. You can be anonymous (you don't have to write your name on this) if you like. 1) Was this webquest challenging enough/too challenging for you? 2) Do you think you learnt enough from this web quest? 3) What do you think about the overall design of the web quest? Colour, layout, text font etc 4) Would you like to use web quests more often? Why?

Category and Score					Score
List of objects/creatures remembered or already known in the Great Barrier Reef.					

Category and Score					Score
				Total Score	

Conclusion

Well Done! Thanks to your hard work, the Australian Prime Minister will now be able to start reversing the problems faced by the Great Barrier Reef.

Teacher Page

This web page has been designed to coincide with the NSW Department of Education Syllabus for HSIE. Your students will achieve the following HSIE outcome when using this web quest: ENS3.5 Demonstrates an understanding of the interconnectedness between Australia and global environments and how individuals and groups can act in an ecologically responsible manner. Explains the effects of human changes on an environment, evaluating the positive and negative aspects of these changes Explains the effects of natural changes on the environment Participates in the maintenance or improvement of an environment The web quest also supports Bloom's Taxonomy. It covers the following aspects: Knowledge/Remembering- listing things they remember from the youtube clip Applying- performing an experiment Creating- writing a letter/ making a power point presentation References used throughout the web quest

<http://www.duiops.net/seresvivos/galeria/tiburones/Silvertip%20Shark,%20Great%20Barrier%20Reef,%20Australia.jpg>
http://images.thetage.com.au/ftage/ffximage/2008/07/11/gbr_1207_narrowweb__300x355,0.jpg
<http://www.reeftrip.com/Images/Great-Barrier-Reef-Queensland.jpg>
http://www.quicksilver-cruises.com/nature_gallery.htm
<http://www.prodivercairns.com/faq.html>

 <http://www.barrierreefaustralia.com/the-great-barrier-reef/coralfacts.htm>

 http://www.gbrmpa.gov.au/corp_site/key_issues/climate_change

 <http://www.abc.net.au/science/articles/2005/07/28/2819851.htm>

 <http://www.barrierreefaustralia.com/the-great-barrier-reef/coralfacts.htm>

http://www.youtube.com/watch?v=wbNeIn3vVKM&feature=player_embedded

Standards

Credits

Other