

Environment

WebQuest Description: This WebQuest is designed for Primary 6 students at the Primary School level. It serves to introduce students to how location determines our climate, how immigrants influence our culture, what natural and vegetation resources we have and how humans and nature impact positively and negatively on our environment.

Grade Level: 3-5

Curriculum: Social Studies

Keywords: coral reefs, ecosystem, gulf-stream, hurricane, magma, Mid Atlantic Ridge, physical maps, sub-tropical, thematic maps, tropical, volcano

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Introduction

Hey there P 6ers!!! I'm Evan the Environmental Investigator and I'm here to help you learn more about your environment from the weather you have, to the food you eat, and what plants can only be found here in Bermuda. We will also learn how we can help protect our environment. Let's get ready to investigate!!!

Tasks

Take a Pre-Test to see how much you already know about Bermuda's environment. Explain what type of weather we have in Bermuda. Identify how Portuguese and Jamaican immigrants influence our culture in Bermuda. Identify Bermuda's natural resources and vegetation. Describe the positive and negative affects humans and nature have on our environment. Take a Post-Test to see how much your learned from this unit on environment.

Process

(Task 1) Take the Pre-Test to see how much you already know about the environment. (Task 2) View this link then list important facts about Bermuda's weather, population and any other facts: www.rootsweb.ancestry.com/~bmuwgw/portugues.htm (Portuguese) www.bermuda-attractions.com/bermuda2_000045.htm (West Indians) (Task 3) Check out the following websites to see when and why Portuguese and West Indians came to Bermuda: www.rootsweb.ancestry.com/~bmuwgw/portugues.htm (Portuguese) www.bermuda-attractions.com/bermuda2_000045.htm (West Indians) (Task 4) View video clip of Jamaican Grill and list the different types of foods. View video clip on Portuguese Festival and list what you see and hear. (Task 5) View this link: www.bermuda-attractions.com/bermuda2_000045.htm to find out what plants are endemic in Bermuda. Pick 2 plants to speak on and for each plant create a poster featuring the following items: Picture Plants common name and real name 2 interesting facts about the plant (Task 6) View this link to find out about Bermuda's natural resources and discuss how these resources help us: www.bermuda-attractions.com/bermuda2_000045.htm (Task 7) After viewing the YouTube video clips: Bermuda Beach Trash and Hurricane Igor Giant Waves, students will list the negative affects of pollution and hurricanes on our environment. Students will make a list of how we can make positives choices for our environment: (Task 8) Students will randomly pick before hand 1 of the vocabulary words and create a poster providing the following information about their new vocabulary word: Definition, draw a picture and write a sentence. Students may use the PowerPoint attached as a resource to get the definitions for the words listed. coral reef ecosystem gulf-stream hurricane magma Mid Atlantic Ridge physical map sub-tropical thematic map tropical volcano

Evaluation

Formative Assessments: Exhibitions- students will create a poster using their new vocabulary word, which will include a picture, definition and sentence. Create poster including 2 endemic plants being sure to include: a picture, names and 2 interesting facts. Self evaluation- students will create a list for how they can have a positive impact on their environment. Tests- students will complete a post-test composed of short answer questions to test for how much information they have retained from this unit.

Category and Score					Score
				Total Score	

Conclusion

You did it! Now that you have completed this WebQuest, you are equipped with all the information you need to tell an alien from another planet, or country, what type of weather is typical in Bermuda. Where did some of our immigrants come from and what types of food and music they brought with them to the island. You can also tell them about how our natural environment can sometimes be destroyed by natural disasters such as hurricanes and how we as humans can cause negative affects to animals in the sea by littering. You can also let them know the names of certain plants that can only be found her in Bermuda. I hope you enjoyed investigating facts about your environment.

Teacher Page

This WebQuest is designed to take approximately five 30 minute sessions, including a pre-test, research on vital statistics about Bermuda, identifying at least 2 endemic plants, creating a poster to describe key terms including a picture, definition and sentence. Compiling a list of eco friendly activities and completing a post-test of short answer questions on climate, immigrant cultural influences, vegetation and natural resources.

Standards

This WebQuest meets the following Academic standards for Primary 6.

Primary 6 Social Studies Module D

SS.P6 G1

Explain how geographic location determines climate and learn the following key terms: tropical, sub-tropical, gulf-stream, hurricane. Identify natural resources and endemic plants.

SS.P6 G2

Identify how humans have a negative affect on the environment. Identify how nature (hurricanes) has a negative affect on the environment. Learn the following key terms: magma, mid-atlantic ridge and volcano.

SS.P6 G3

Identify reasons why various immigrant groups had for coming to Bermuda.

Credits

References: Recommended internet sites used for research and activities for the content.

www.indexmundi.com/bermuda/climate.html

www.conservation.bm/endemic-species/

www.greenrock.org/news/bermuda/644-bermudas-natural-resources

www.rootsweb.ancestry.com/~bmuwggw/portuguese.htm

www.bermuda-attractions.com/bermuda2_000045.htm

<http://youtu.be/EnUTAiTQVwo>

<http://youtu.be/QEgsv7HH3>

<http://youtu.be/7arNleMig54>

<http://youtu.be/vLuBk5wANhu>

Other

Student will take a pre-test to check their prior knowledge on this unit on Environment.

Student can also participate in the hangman activity which includes key terms learned in this unit. This maybe used as an enrichment activity as the students can play the game and then define the word as they are successful at spelling it