

Pollution

WebQuest Description: This webquest is titled "POLLUTION". The lesson being taught is primarily based on SOCIAL STUDIES and it is designed for students of a standard two level. It teaches the students how to define the term "Pollution", state the different types of pollution, discuss the causes and effects of land, air and water pollution and describe ways by which ones behavior can intentionally prevent air, land and water pollution.

Grade Level: 3-5

Curriculum: Social Studies

Keywords: Pollution, types of pollution , social studies, standard two

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WebQuest URL: <http://zunal.com/webquest.php?w=418688>

Introduction

This lesson is all about Pollution as students will learn to minimize pollution in a real-life setting. The lesson will involve you to acquire knowledge about pollution, types of pollution, causes, and effects of pollution and the ways one's behavior can intentionally prevent pollution. At the end of this lesson, you would have the knowledge of how to have a pollutant-free environment and how to make our planet earth a better place. Analyze of Learners- This web quest is intended for visual learners as they can relate to pictures and videos seen on youtube videos as well as, auditory learners they can listen to a song which they will enjoy listening to. Having a differentiated learning classroom it caters to students who are visual, verbal, kinesthetic and auditory learners.

Tasks

Pollution are done by citizens throughout Trinidad and Tobago on a regular basis. We are now learning that pollution have many consequences caused by many types of pollution. We would also learn about the various ways in which one can prevent pollution due to their behaviour. Students would get this information after they have defined the term pollution, identify the different types of pollution, research causes of land, air and water pollution and describe ways in which one's behaviour can intentionally prevent land, air and water pollution. Task 1: Students will answer a series of questions based on pollution. Task 2: Make posters in groups of seven. Task 3: Design a pollution campaign. Task 4: Students will complete a quiz given using power point.

Process

Task 1: Students to answer the following question: 1. What is Pollution? *Students can use the information using the link further down. NOTE: Watch these videos before answering question 2. (3) different types of Pollution that were mentioned in the videos above? 3. Discuss the causes and effects of land, air and water pollution? - Use Microsoft Word to type in your answers. <https://office.live.com/start/Word.aspx?ui=en%2DUS> 4. Describe ways by which one's behaviour can intentionally prevent land, air and water pollution. Using these videos below: Task 2: Each group will be assigned to create a preventative poster on the following: Land pollution Water pollution Air pollution In this poster each group must have preventive methods for all the types of pollution listed above. Each group must also include images of them as a group performing a task including a preventative method on anyone of the types of pollution. *To get ideas and information students can view the videos above to create their posters. Task 3: Students will form groups of seven and design a pollution poster. Each group will be assigned a different type of pollution. Students can use the videos previously to access information. Students can also use the videos above to gather their information. Students can choose to present their campaign however they like- Example: power point, micro soft word, video with the group performing a role play etc. Students must include the following in their campaigns: What is pollution? The three types of pollution the class is focusing on. An explanation of the type of pollution each group is focusing on. Causes of pollution. Consequences of pollution. Preventative methods for pollution. Statistics based on the effects of the types of each pollution each group is assigned to. Facts about pollution in Trinidad and Tobago. Task 4: Students will complete a Quiz using PowerPoint. 1. Each student would click on the link below 2. On the right side of the screen, click more and download the PowerPoint document 3. Go to the Tool bar and Click Slide Show 4. View PowerPoint from the beginning 5. Answer each question, and click undo button to continue <https://www.dropbox.com/s/on8bgusg27qcm22/Updated%20quizz%20with%20answers%20-%20Tech2001%20-%20Pollution.pptx?dl=0>

Evaluation

Evaluation Rubric Preventative Poster CATEGORY Under 55-78-1011-1314-15 Information No information present. Little or no relevant information. 1 - 2 pieces of relevant information, some information not relevant to topic, pictures missing. 3-4 relevant points to topic,

pictures relevant.5 or more relevant points present, good information, pictures relevant.Appearance No info. present.Poster to clustered or not enough information, difficult to follow information.Poster appears cluttered, difficult to read and follow.Titles mostly straight, Easy to read and follow.Neatly spaced, titles straight, cutting straight, easy to read and find information.Proofreading More than 10 errors present.More than 4 errors present. 3 - 4 errors in poster.1 - 2 errors in poster.No errors present.Artistic ImpressionNo colour, difficult to read.Hard to read, little colour, difficult to follow.Little colour, appears to have been put together quickly.Great appearance, Various colours. Engaging appearance, colourful, pleasing appearance and colour. Evaluation Rubric Advertising CampaignCATEGORYUnder 55-1011-1516-2020-25InformationNo information present.Little or no relevant information.1 - 2 pieces of relevant information, some information not relevant to topic.3-4 relevant points to topic.5 or more relevant points present, good information.AppearanceNo information present.Difficult to follow information.Information displayed clearly.Used over 2 ways of presenting information (e.g. role play, poster, lyrics or PowerPoint).Used over 5 resources to present information.ProofreadingMore than 10 errors present.More than 4 errors present.3 - 4 errors in poster.1 - 2 errors in poster.No errors present.Artistic ImpressionNo information present.Difficult to follow information, does not engage viewer. Engages viewer, Easy to follow information.Used more than one way to present information. Engages the viewer.Engaging appearance, colourful and used various ways to present information.

Category and Score					Score
				Total Score	

Conclusion

At the end of this lesson you should have learnt about:- Land, air and water pollution. - The causes of land, air and water pollution. - Effects of land, air and water pollution.- Preventative methods of land, air and water pollution. **** Next lesson you will be presenting your preventative posters and preventative campaign to the class. Looking forward to seeing them!

Teacher Page

Key Learning Area: PollutionSyllabusÂ Outcome: Using the primary standard two curriculum guide page 121, a student defines the term pollution and describes the causes, effects and prevention methods of land, air and water pollution.Â Content Strand: Strategies to prevent pollution in the environment.Students learn about:Â acquiring knowledgewhat is pollutionthree types of pollution: land, water and air.causes and effects of pollution.preventative measures of pollutionworking togetherOther Key Learning Areas: ICT, Literacy and ArtDuration: 20-25 minutesÂ Rationale: This lesson addresses the topic of pollution. Students will acquire knowledge about what is pollution, types of pollution, causes and effects of air, land and water pollution and lastly they will discuss preventative methods towards air, land and water pollution based on one's behavior.Â Students use critical thinking and ICT to research on pollution and come up with a preventative poster and campaign about preventative methods on pollution. This activity can also engage a number of different learners, kin-aesthetic, reading/ writing, art and students who love to talk and discuss information.Â Resources: Laptops/computers, internet, workbooks.

Standards

The Social Studies primary curriculum for standard two's is used in this lesson so studentsÂ can gain knowledge and develop a life long skill of preventing pollution in the environment.Â

Credits

Youtube for all our videos used for the lesson.Google for all our images and information.

Other