

What is your favourite element?

WebQuest Description: Getting to know some of the elements in the periodic table

Grade Level: 6-8

Curriculum: Science

Keywords: elements, compounds, mixtures, metals, non-metals, periodic table, properties

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Introduction

Some elements have become very popular recently and the big company Elements and co. want your class to make an advert for some elements. In this advert the group must make a short commercial to advertise the properties of this element. It doesn't need to be more than 3-5 minutes and you can do anything you like, you can use charts, the laptop or interactive whiteboard or you can even do a short play. Be as creative as you like!

Tasks

This Webquest is made up of different tasks. Each task is described below. 1) Each group will be given an element. You must make an advert to explain what this element has special. Your description can include: its position in the periodic table its symbol if it is common in nature, what it's uses are mention if the element is solid, liquid or gas at room temperature, what mixtures or compounds it is used in Apart from the short presentation there are a few tasks to be covered and the answers handed in. 2) Watch the elements video, then fill in the Video Questions document. This document has questions about the video which need to be handed in. 3) Then download the homework sheet and fill it in. Give it in on the date told in the lesson.

Process

Here is some information and helpful links to get you on your way! 1) In groups you are to show the class your element and why it's special. This part of the project is to be done in groups and the end result will be a short presentation. You can make a chart, you can make a presentation on the computer or interactive whiteboard or you can act it out. You can be as creative as you like and try to make it as interesting as possible! With this presentation I also want an individual piece of work from you all and this will be handed in on the date stated in class. 2) Watch the video and then fill in the worksheet given 3) Print out the homework sheet and fill in it also To give you some help at the bottom of this page are some links which have the information you need. Don't worry if some sites have more information that you need just ignore it and use what you need

Evaluation

In this table you will find the criteria I will be marking you on. Take a look at it before you finish up your Webquest to make sure you do well!

Category and Score	Beginner	Good	Very Good!	Excellent!	Score
Group Presentation on elements	No visual aids like charts, no presentations etc. The given points are not mentioned Students in group are not prepared	Only some of the points given are mentioned No visual aids or very poorly made Students have not practiced their presentation	Good visual aids presented Students mention all the points mentioned Students have practiced their presentation and are prepared	Very good, clear and interesting visual aids are used All the points are mentioned Students have practiced their presentation and are well prepared Group makes their presentation interesting and fun for all the class	50 %
Watching the video and answering the worksheet	Late work and many answers left out	Many answers left out	All answers filled in but not all correct	Handed in on time, with all answers filled in and correct	15%

Category and Score	Beginner	Good	Very Good!	Excellent!	Score
Homework Sheet	Late work, not all answers filled in or tried	Not all questions tried. Some answers that are correct	All questions tried. Some answers incorrect	All questions tried and all questions correct	30%
Neat work on time	Homework is late, lots of questions not tried Paper is not dirty and squashed with very bad handwriting			Homework on time with all questions tried Neat paper and neat handwriting	5%
				Total Score	

Conclusion

Well done to everyone for completing the task, if while doing this short project you have any trouble or cannot understand something do not hesitate to ask for help! One last thing, at the end of your project write a short note and tell me how you felt this exercise online went, whether you liked it or not and please be honest!

Teacher Page

Focus:The main focus of this Webquest is to get students used to some of the most common elements in the periodic table. To get familiarize themselves with their properties and general uses. It has also be linked with the topics states of matter and compounds, elements and mixtures. **Objectives/Goals:**I designed this Webquest to be as simply as possible to introduce students to the periodic table and the elements for the first time. The main objectives are:
 *Students will learn the function of the Periodic Table.
 *Students will be able to identify the general characteristics of the most common elements.
 *Students will be working in teams, this will improve their team working skills and also their communication skills.
 *Students will use technology to generate creative ideas regarding the Periodic Table.
Resources:All students need to have access to a computer with internet. Also beforehand, students need to know what an element, compound and mixture is. What the function of the periodic table is and some general knowledge on it.

Standards

Credits

Other