

Plate Tectonics Group Presentation

Secondary Science

Content Standard F – The Earth, 6. Analyze the changes in continental position and the evidence that supports the concept of plate tectonics.

Introduction

Your friend believes that the land has always looked the way it does today. You, however, as an educated geologist, know better. Describe the evidence for plate movement to your friend and explain how this evidence supports the theory of plate tectonics.

Purpose

1. To obtain a deeper understanding of plate tectonic theory and the evidence that supports it.
2. To improve presentation skills.
3. To work as a team in the coordination and presentation of a topic.

Description

- Work in small groups to make a PowerPoint or other visual presentation on plate tectonics including the parameters listed below. Each person must contribute visual aids to the group presentation.
- Presentation time: 5-10 minutes (4-6 minutes per person)
- Intended Audience: A group of your peers who have not studied this concept before.

Steps/Directions;

Once you choose a product, I must approve it...then begin your research. Your team will create a storyboard, outline, or script that I must approve before filming or recording takes place.

Be creative with this and have fun. There is so much on the internet that can enhance your project. Remember to use as many video clips, film segments, graphs, visuals, etc.

Your ultimate goal is to create a documentary video, podcast, etc. thoroughly presenting what you have learned.

This project is mandatory. You will be working with up to two other people on the team. You will be required to keep a work log of all the work that will be going into the project.

Your motivation for this project should focus on your interest in learning more about a major concept that will be covered in class.

You want to pretend that you are the teacher teaching an audience that knows nothing about your topic, so your research is crucial with one of the general topics.

You must be incredibly thorough. You will be graded on the accuracy of your research and the amount of information demonstrated to your audience.

You must:

1. Create a product that clearly and accurately describes the theory of Plate Tectonics, its history, supporting evidence, and the consequences of plate movement.
2. Include at least four pieces of evidence that support plate tectonic theory.
3. Use maps, pictures, diagrams, and scale models to illustrate the main points.
4. Describe the mechanics of plate tectonics and the different types of plate boundaries.

Your presentation should follow this standard format:

1. Introduction

This is where you briefly tell your audience what your presentation is about. You should also present an outline of the key points that you will be presenting so the audience knows what to expect.

2. Main Body

You build your point of view here and explain the key points to your audience.

3. Conclusion

This is a summary of what you told your audience and, at the very end, take questions.

Grade-A (90-100)	Grade-B (80-89)	Grade-C (70-79)	Grade-D (65-69)
Full topic development. Logical organization. Full support of details. Use of appropriate vocabulary. Project has good flow. Research is exemplary	Moderate idea development. Adequate supporting details. Some use of vocabulary. Project shows good organization. Research is very thorough	Rudimentary topic development. Basic supporting details. Simplistic use of vocabulary. Has little organization to project. Research could be more thorough.	Weak Topic Development. Little supporting details. No Resources. No use of key vocabulary. No organization at all. Research is minimal.

A NOTE ABOUT PLAGIARISM

Plagiarism is, quite simply, using someone else's work without permission. Students utilizing the Internet for research are often subject to unintentional plagiarism. This occurs when a student paraphrases or rewrites something in his own words. If the source of the information is not officially acknowledged, it is considered plagiarism. Students also have a tendency to cut-and paste directly from Internet sites into a document or presentation. This is the most basic form of plagiarism, especially if the source is not acknowledged. Be aware that these practices are unethical and will not be accepted.

Required Information:

Lithosphere vs. Asthenosphere

Continental Crust vs. Oceanic Crust

Graphic Showing Maps of World Plates

Types of Plate Boundaries- include representative location of each boundary

Divergent Boundary

Convergent Boundary

Three types of collisions

Transform Boundaries

Causes of Plate Motion?

PRODUCT CHOICES:

You and your partner must choose one of the following methods of presentation to convey the information to your audience.

Method of Presentation	Requirements	# in Group
Audio Podcast (Radio News Report)	At least 3 minutes of information	1-2
Enhanced Podcast (Pics, Text, Video) (Look at my podcasts online)	At least 15 slides:10 slides of text, minimum 5 slides of pictures and at least 1 video	1-2
Video of Team Acting Out Topic	At least 3 minutes of information	2-3
Video of Team Doing News Report	At least 3 minutes of information	2-3
Video of Interview of Survivor	At least 3 minutes of information	2-3
Stopmotion video	At least 3 minutes of information	2-3
Glogster (http://www.edu.glogster.com)	At least 5 pictures and 1 video Include all required information within your glog	1-2 (I give you account)
Slideshow presentation at http://280slides.com	At least 15 slides:10 slides of text, minimum 5 slides of pictures and at least 1 video	1-2 You send me link
Videos and audio can be created with garage band, iMovie and windows movie maker		

Group Organization and Scoring:

Please see check list (attached)
You must track all that you do in your **work log**. The **Work log** must be submitted at the time of the presentation. **You Must Include Everything on This Checklist to Get Full Credit**

Groups will be selected by teacher.

Helpful Links For Final Products:

Podcasts: <http://issuu.com/richardbyrne/docs/making-videos-on-the-web/1>

Picasa Movie Maker: <http://picasa.google.com/support/bin/answer.py?answer=19533>

Presentation: <http://prezi.com/>

Glogster: <http://edu.glogster.com/>

Keynote/powerpoint: <http://280slides.com/>

Video slideshow: <http://animoto.com/>

IF YOU CHOOSE THE POWERPOINT/KEYNOTE OPTION:

Presentation may be submitted via the following methods:

Saved in student's home folder

30 slides maximum in presentation

20 slides minimum in presentation

Title Slide

Counts as one of the 15 – 25 slides

Title

Author's Name

Date (Month, Year)

Class for which the project was created

Instructor's Name

Introduction Slide

Body of presentation containing required information

Conclusion Slide

Bibliography Slide

Counts as one of the 15 – 20 slides

List of websites where information was gathered