

Oceans: The Final Frontier

Background

You have investigated and learned more about the 0.5% of the oceans that we have explored. However, you also know that there is still a great deal that has not been explored.

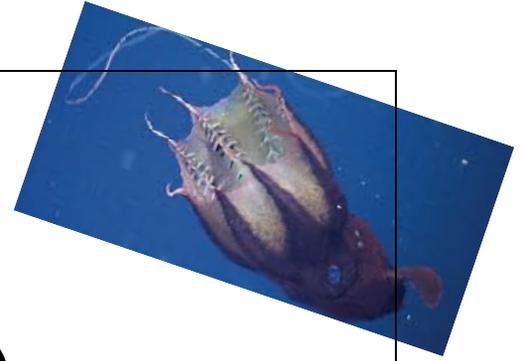
Challenge

You and your team of oceanographers have left your submarine to explore the depths of the ocean, when suddenly you lines are cut and you are floating away from your submarine. You must document your adventure as your travel between the zones of the ocean. When you return to the surface, you will head to your lab and put together a webpage (weebly) to show others what you learned while you were traveling.

Requirements

- You must explore at least three zones
- Your Weebly pages must:
 - Describe at least three organisms that you encounter in each zone (plants or animals)
 - Explain how the conditions change as you travel between the zones
 - Explain the kind of equipment you need to make your journey successful
 - Each page (except the Works Cited) should have at least 2 pictures
 - You must have 5 pages in your weebly
 - Sunlight Zone
 - Twilight Zone
 - Midnight Zone
 - Abyss
 - Works Cited Page
 - Be creative and informative





Exploration (Research)

Part 1: The Zones

You must do further research on the different zones that you and your group will travel through. Please come up with at least three questions that you want to answer before you begin. You may write down information that you find that does not relate to your questions as you go along.

**Part 2:
Organisms (plants and animals)**

Please do research on the different plants and animals that you may encounter in the zones that you travel through. You need visuals of the organisms and you should have detailed descriptions of them (think about the adaptations that they will need to survive). Remember- the more information you have the better! You will want to come up with at least three questions before you begin your research. You may write down information that you find that does not relate to your questions as you go along.

**Part 3:
The Conditions**

Please do research on the different conditions that you will be experiencing as your travel through the ocean. You will also want to research different equipment and supplies that you would need to travel successfully. You will want to come up with at least three questions that you can answer before you begin your research. You may write down information that you find that does not relate to your questions as you go along.

Weebly Planning

Page 1: Sunlight Zone

What pictures will you put on your page? What text will you put on this page? Please be as specific as possible.

Page 2: Twilight Zone

What pictures will you put on your page? What text will you put on this page? Please be as specific as possible.

Page 3: Midnight Zone

What pictures will you put on your page? What text will you put on this page? Please be as specific as possible.

Page 4: Abyss

What pictures will you put on your page? What text will you put on this page? Please be as specific as possible.

Reflection

1. What is one thing that you think that you did really well on during this project?
2. What is one thing that you think you could have done better during this project?
3. What was your favorite part of this project?
4. If you could change one part of this project, what would it be?
5. What do you think are the characteristics of a good, hard working team member?

Oceans: The Final Frontier Rubric

	Possible Points	Comments
Research <ul style="list-style-type: none"> • Completed the research that was asked of them. • Came up with questions • Kept detailed notes 	/25	
Weebly Planning <ul style="list-style-type: none"> • Completed each step of the planning process. • Included details and wrote in complete sentences. 	/25	
Weebly <ul style="list-style-type: none"> • Weebly was creative and informative • There were at least five pages (including the works cited page) • There were at least 2 pictures on each page • Information on the pages came from research • All of the parts of the requirements section were answered • There were no spelling or grammar errors 	/25	
Reflection <ul style="list-style-type: none"> • Student completed the reflection thoughtfully and answered in complete sentences. 	/15	
Over All Effort <ul style="list-style-type: none"> • Student put in their full effort and worked diligently throughout the project • They cooperated and worked well with others 	/10	

Overall Grade:

