

Marine Biology Explorers



Ever wondered what it is like to be a host of your own wildlife program? Now you will find out what it is like! Working with a partner, you will be conducting research on a marine organism and presenting your information. Your presentations will be video recorded as if it were your own television program.

Partner and Choice Requirements:

- You may choose a partner for this project; however, it must be an individual from your lab table.
- This is to ensure that project topics will have some diversity. To accomplish this, your lab table will be assigned to a marine organism within a certain portion of the marine food web. The assigned roles will be chosen at random based on the categories below...

Primary Producer
Primary Consumer
Secondary Consumer
Tertiary Consumer

- Once you have chosen a partner at your lab table, you may choose a marine organism that falls within your assigned portion of the food web. The possible choices are found in the table on the following page...



Primary Producer	Primary Consumer	Secondary Consumer	Tertiary Consumer
Phytoplankton	European Squid	Swordfish	Great White Shark
Zooplankton	Ghost Crab	Yellowfin Tuna	Killer Whale (Orca)
Giant Kelp	Atlantic Salmon	Blue Whale	Mako Shark
Hawaiian Reef Coral	Atlantic Cod	Grey Nurse Shark	Bottlenose Dolphin
Krill	Oarfish	Humpback Angler Fish	Sperm Whale
Mangrove Trees	Parrotfish	Emperor Penguin	Hammerhead Shark

The completion of the project will be divided into days. Each day will be devoted towards the following tasks...

Day 1

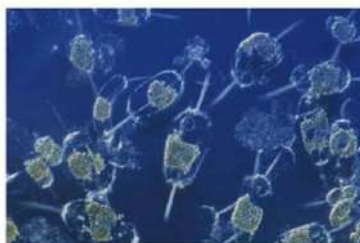
- The beginning of the project will be devoted towards researching information on your organisms with the class computers.
- Fill out bibliography (bib) sheets with works cited information. Using this, a works cited page will be typed or written for your researched information.
 - If it will be typed, save it to **My Documents** on your personal drive to be printed outside of class.
 - If it will be written, print neatly on a blank sheet of paper.
 - Follow the margins (0.5 inch hanging indent) for your works cited page even if it is written.
- Locate pictures of your organism in order to print out later outside of class.
 - **Print In Color**
 - Copy down or copy/paste the URL web address for your works cited page when citing pictures.
- Your researched information must include the following concepts for your organism...

Physical descriptions (height, weight, coloration, etc.)

Distribution (where is it mainly found, level of the ocean, etc.)

Role in the food web (category, natural prey/predators, danger from man, etc.)

Interesting facts that are unique to your organism



Day 2

- Groups will construct posters presenting your researched information.
 - **Neatly** written or printed typed information printed outside of class and attached to poster
- Posters must demonstrate creative design and concise information.
 - avoid information in paragraphs
 - this visual will be used for “wildlife” presentation
- Attach your printed pictures of your organism --> all posters must have pictures representing your organism.
- Attach your works cited page and the grading rubric to the back of your poster.

Day 3

- The final portion of the project will be devoted towards your presentations of your organisms.
- Your presentations with your partner will be similar to a wildlife television program, so your presentation will be recorded with a class cam recorder.
 - Your recorded presentation will be considered part of your final graded project, so make sure you practice and understand your information and coordinate you and your partner’s lines.
 - You may use notecards during the presentation.
- Use your poster visual as a “prop” for your television set.
 - Your posters have concise, short statements of information because it is your job as “ocean wildlife hosts” to accurately explain your marine organism.
- Be as creative and original as you can for your presentation --> remember the theme of the project!
 - Remember to keep the dialogue school appropriate.
 - Your presentation must be at least 5 minutes in length.

Basic Rule = Make your audience focus on you with your explanations of the information using your poster as a visual supplement



Names: _____

Grading Rubric

Your marine biology project will be graded on the following aspects in the rubric below. You and your partner will receive a group grade for the project.

Category	5 Exceeding	4 Meeting	3 Approaching	2 Needs Improvement	1 Little Effort
Research Content	All of the required information is accurate along with many unique facts	Most of the required information is accurate along with some unique facts	Fairly accurate information (some mistakes) with very little unique facts	Much of the information is incorrect with very little unique facts	Very little effort is demonstrated in the research
Poster	All of the required information is presented in a concise manner along with many images - demonstrates creativity and effort	Most of the required information is presented in a concise manner along with some images - demonstrates some creativity and effort	Some of the required information is missing and in paragraph form along with some images - little creativity	Some of the required information is missing and in paragraph form along with little images - little creativity	Very little effort is demonstrated in the construction of the poster
Presentation	Presentation is at least 5 minutes long with all of the information explained in great detail using poster as a visual aid	Presentation is at least 5 minutes long with most of the information explained in great detail - poster rarely used as a visual aid	Presentation is shorter than 5 minutes long with some of the information explained in some detail - poster rarely used as a visual aid	Presentation is shorter than 5 minutes long with some of the information explained vaguely - poster never used as a visual aid	Presentation is shorter than 5 minutes long with little preparation
Creativity	Project demonstrates great creativity with preparation greatly evident	Project demonstrates some creativity with preparation somewhat evident	Project demonstrates some creativity with little preparation evident	Project lacking in creativity with little preparation evident	Little or no creativity throughout entire project