

Oceanography Multimedia Projects



Objectives

In this activity, students will

- create a comprehensive multimedia project.
- conduct research including information about two student-selected animals and plants that thrive in the ocean.

Technology required

- *PowerPoint*, *HyperStudio*, *Scene Slate*, or another multimedia program
- Internet connection
- digital camera

Materials needed

- research materials
- copies of the *Teacher Assessment* sheets (pages 98–99) for teacher evaluation of the presentations
- copies of the *Student Assessment sheets* (pages 100–101) for the students
- copies of *Multimedia/Slide Show Planning Sheet* (page 43) for the groups

Description

This is a long-term project incorporating many language skills as well as science and technology skills. Each student group of two students must pick research questions that cover a specific topic related to oceanography. Then the students decide which two ocean animals and ocean plants they would like to research for their projects.

The students then complete their research and design their multimedia project using the *Multimedia/Slide Show Planning Sheet* (page 43). This helps them make certain design decisions ahead of time and keeps them from wasting time during their computer rotation.

Student partners need to have time to work together on their computer project. Once all the planning is done, the students should have approximately one month to complete their projects.

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The requirements the students have for this project are indicated on the *Student Assessment* sheets (pages 100–101). Have the students use the checklists to self-assess their projects before turning them in to the teacher.

After all the hard work, the students share their presentations with the rest of the class. Teachers can use the *Teacher Assessment* sheets (pages 98–99) to evaluate the students as they present.

Extension

Students can extend their research by comparing and contrasting their information about the ocean ecosystem to that of animals and plants in a lake or river ecosystem.

Student Names _____

Teacher Assessment Language Criteria



Language Criteria—(point value)	Points Earned
1. Title page has title and student names (5)	_____
2. All required information for the various topics is included in the project (15)	_____
3. Information is organized and in an appropriate sequence (10)	_____
4. Information is presented in the students' own words (10)	_____
5. Presentation and writing shows creativity (10)	_____
6. All information is in complete sentences (10)	_____
7. Spelling and capitalization are correct (10)	_____
8. Punctuation is correctly used (10)	_____
9. Effective word choice is demonstrated (5)	_____
10. All appropriate information is in the bibliography (5)	_____
11. Bibliography is in correct sequence and format (5)	_____
12. Project was completed on time (5)	_____
Total Points Earned	_____
Possible Points	100

Comments: _____

Student Names _____

Teacher Assessment Technical Criteria



Technical Criteria—(point value)	Points Earned
1. Included at least one picture from the Internet (10)	_____
2. Included at least one color, scanned picture (10)	_____
3. Included at least one color picture from a digital camera (10)	_____
4. Included at least one imported song or music selection (10)	_____
5. Included at least one imported sound—voice or animal (10)	_____
6. Included at least one imported moving video (15)	_____
7. Included at least one clip art image (5)	_____
8. Included at least some animated text (5)	_____
9. All graphics coordinate with the topic (5)	_____
10. All slides/scenes/cards are linked in a logical order (5)	_____
11. All fonts are large enough and easy to read (10)	_____
12. Each slide/scene/card is neat and organized (5)	_____
Total Points Earned	_____
Possible Points	100

Comments: _____

Names _____

Student Assessment Language Criteria



Did we check to make sure we completed the following language criteria?

- | | | |
|--|-----|----|
| • included a title page with the title and our names (5) | yes | no |
| • covered all information required for our various topics/subtopics (15) | yes | no |
| • organized information in an appropriate sequence (10) | yes | no |
| • given quality information in our own words (10) | yes | no |
| • showed creativity in our presentation and writing (10) | yes | no |
| • written all information using complete sentences (10) | yes | no |
| • checked our spelling and capitalization carefully (10) | yes | no |
| • checked our use of punctuation carefully (10) | yes | no |
| • used effective word choices (5) | yes | no |
| • included a bibliography with all appropriate information (5) | yes | no |
| • included a bibliography that is in the appropriate order (5) | yes | no |
| • completed the project on time (5) | yes | no |

Our project is ready to be presented to the class!

Names _____

Student Assessment Technical Criteria



Have we included the following technical criteria?

- | | | |
|---|-----|----|
| • at least one picture from the Internet (10) | yes | no |
| • at least one color, scanned picture (10) | yes | no |
| • at least one color picture from a digital camera (10) | yes | no |
| • at least one imported song or music selection (10) | yes | no |
| • at least one imported sound—voice or animal (10) | yes | no |
| • at least one imported moving video (15) | yes | no |
| • at least one clip art image (5) | yes | no |
| • at least some animated text (5) | yes | no |
| • all graphics coordinate with the topic (5) | yes | no |
| • all slides/scenes/cards are in a logical order (5) | yes | no |
| • all fonts are large enough and easy to read (10) | yes | no |
| • each slide/scene/card is neat and organized (5) | yes | no |

Our project is ready to be presented to the class!