

Your name_____

Learning Ocean Science and Exploration through an Online Environment

FOLLOW-UP QUESTIONNAIRE

Dear Workshop Participant:

Thank you for taking the time to complete this survey. Teacher involvement in this evaluation is integral to its success, and your opinion about NOAA's online educational products is valued greatly.

We are asking all of the teachers who participate in this workshop to provide feedback on your personal and your students' experiences with the online education resources offered by NOAA. The information we are collecting is essential to determining the educational value of this workshop and the products we create. In addition, as part of our efforts to continually improve the content and delivery of our workshops, we are also interested in any suggestions you may have for improvement.

Your responses to surveys are confidential. Only summaries of the data will be released in which no individual's answers can be identified. If you have any questions or comments, please feel free to ask the person administering the survey. You may also contact Liz Danter at edanter@bellsouth.net or 205-296-3954.

Thank you again for taking the time to provide us with this important information.

Sincerely,

Bruce Moravchik
Education Specialist
NOAA's Ocean Service
Communication and
Education

Cindy Renkas
Education Specialist
NOAA Research
Ocean Exploration

Part I. Your classroom experience with NOAA's Online Education Resources

Q1. Please describe the type of NOAA/NOS/OE related learning instruction or activity you conducted with your students in the classroom. Which specific NOS/OE sites were used? Which specific lessons and sections of each site were presented?

Q2. About how many total hours of NOAA/NOS/OE related learning instruction or activity did your students receive in the classroom? (check one only)

- none
- <1-5 hours
- 6-10 hours
- 11-20 hours
- 20+ hours

Q3. Typically, where did your students use the computer for NOAA/NOS/OE related learning instruction or activities? (check one only)

- Classroom
- Computer lab
- Media center
- Other:

Q4. Do the computers used by the students have: (check all that apply)

- Internet connection?
- A reliable Internet connection?
- A fast Internet connection?
- QuickTime and/or Windows Media Player software?

Q5. Do you have access to a single "teaching computer" connected to an LCD projector?

- Yes
- No (Skip to question #6)

Q5a. Is the projector located in:

- The classroom
- The computer lab
- The media center

- Other _____

Q5b. How often do you use the LCD projector in your teaching?

- Never
- Less than once a month
- Once or twice per month
- About once per week
- Several times per week

Q5c. Do you prefer:

- To use Internet materials “live” in the classroom with the LCD projector?
- To use the Internet materials “live” in the classroom with students on their own computers?
- To download/print the materials for later use?

Q6. How is the Web site being used in your teaching? (check all that apply)

- As homework
- Via each student on his/her own computer during class time
- Via each student on his/her own computer during “tech/computer” class time
- Via teacher presented projection during class time
- Via teacher use only, as a resource in preparing lessons

Q7. What factors, if any, have hindered your implementation of NOAA’s online education resources in your classes?

Part II. Your experience with and impression of the NOS and OE Web sites

Q8. How would you rate the NOAA/NOS/OE materials overall? Please circle the appropriate number.

	Poor	Fair	Good	Very Good	Excellent	N/A
a. Applicability of materials and activities to your school district’s learning standards.	1	2	3	4	5	0
b. Usefulness of materials for improving student ocean awareness.	1	2	3	4	5	0
c. Usefulness of materials for improving student ocean knowledge.	1	2	3	4	5	0
d. Usefulness of materials for	1	2	3	4	5	0

improving student ocean stewardship.						
--------------------------------------	--	--	--	--	--	--

NOS Web site: The following questions refer ONLY to the NOS Education Web site resources:
<http://oceanservice.noaa.gov/education>

Q9. Regarding the text of NOS Tutorials and Case Studies, are the students able to finish reading through a single main page of text without losing focus? (check the appropriate box)

The length of text on a single page was _____ for my students:

Too short		Just right		Too long

Q10. Are the students able to read and understand the material? (Check the appropriate box)

Generally, my students were able to read and understand the material _____:

- Without assistance
- Needed some assistance
- Needed a great deal of assistance

	Strongly disagree		Neutral		Strongly Agree	N/A
Q11. Tutorials and Case Studies (text)						
a. The glossary in the case studies was helpful (i.e., it helped explain the concepts in the text).	1	2	3	4	5	0
b. The glossary in the case studies was distracting (i.e., clicking forward and backward from the text to the terms caused focus to be lost).	1	2	3	4	5	0
Q12. Images:						
a. The images presented were helpful in explaining the concepts in the text.	1	2	3	4	5	0
b. The animations were easy to access and view.	1	2	3	4	5	0
c. The videos were easy to access and view.	1	2	3	4	5	0
d. Clicking on the small images to view larger versions of the images was useful for my students in comprehending the content.	1	2	3	4	5	0
e. Clicking on the small images to view larger versions of the images was distracting for my students in comprehending the content.	1	2	3	4	5	0
Q13. Links to Additional Content:						
a. The links to additional content in the online tutorials and case studies were helpful in preparing me to teach ocean science related	1	2	3	4	5	0

topics to my students.						
------------------------	--	--	--	--	--	--

Q13b. The links to additional content in the online tutorials and case studies were at a level that was _____ for my students: (check the appropriate box)

Too low	Just right			Too high

	Strongly disagree		Neutral		Strongly Agree	N/A
Q14. Lesson Plans:						
a. The lesson plans were easy to download and print out.	1	2	3	4	5	0
b. The lesson plans were easy to understand and implement with my class.	1	2	3	4	5	0
c. It easy to access the Web sites cited for use in the lesson plans.	1	2	3	4	5	0
d. The extensions to the lesson plan were helpful.	1	2	3	4	5	0

Q14e. The approximate time indicated in the lesson plan for **preparation** was:

Too short	Accurate			Too long

Q14f. The approximate time indicated in the lesson plan for **implementation** was:

Too short	Accurate			Too long

	Strongly disagree		Neutral		Strongly Agree	N/A
Q15. Additional materials:						
a. Addition of a photo gallery would be helpful to me as an educator.	1	2	3	4	5	0
b. Having all of the online resources available in downloadable printable versions would be helpful to me as an educator.	1	2	3	4	5	0

Q16. Which components of the NOS Web site do you see as being most useful to you? (Check all that apply)

- Online tutorials
- Road maps to resources
- Lesson plans
- Case studies
- Thinking like a scientist
- Working with real data
- Interactive quiz

OE Web site: The following questions refer ONLY to the OE Education Web site resources: [http:// www.oceanexplorer.noaa.gov](http://www.oceanexplorer.noaa.gov)

Q17. Did you use one or more specific OE lesson plan activities in your teaching? If yes, which one(s)?

Q18. About how much class time did you spend on these lesson plan activities?

Q19. Your comments about the activities you did:

Q20. Will you use these activities in your teaching again?

Q21. Do you have plans to use other specific OE lesson plans in the future? If so, which ones?

Q22. Please rate the following components of the OE EEM (Expedition Education Module).

	Not useful at all		Neutral		Extremely useful	N/A
a. Expedition Purpose	1	2	3	4	5	0
b. Lesson Plans	1	2	3	4	5	0
c. Multimedia Learning Objects	1	2	3	4	5	0
d. Career Connections/OceanAGE	1	2	3	4	5	0
e. Other Resources and Links	1	2	3	4	5	0

Q23. Please rate the following components of the OE Web site:

	Not useful at all		Neutral		Extremely useful	N/A
a. Explorations	1	2	3	4	5	0
b. Gallery	1	2	3	4	5	0
c. Technology	1	2	3	4	5	0
d. History	1	2	3	4	5	0
e. Library	1	2	3	4	5	0
f. Education	1	2	3	4	5	0
g. For Fun	1	2	3	4	5	0

Q24. Indicate the extent to which you disagree or agree with each of the following statements regarding the OE Web site:

	Strongly disagree		Neutral		Strongly agree	N/A
a. I have a clear idea of how I will continue to use the OE Web site in my teaching.	1	2	3	4	5	0
b. My students could independently read the textual information (such as the Expedition logs and OceanAGE scientist profiles) from the OE Web site.	1	2	3	4	5	0
c. Still and/or video images from the OE Web site enrich my teaching.	1	2	3	4	5	0
d. The OE Web site is a convenient source of lesson plans for my teaching.	1	2	3	4	5	0
e. I intend to regularly access the OE Web site for teaching information.	1	2	3	4	5	0
f. I intend to regularly access the OE Web site to view and/or print lesson plans.	1	2	3	4	5	0
g. (If applicable) I intend to regularly access the OE Web site while teaching, using an LCD projector or similar technology.	1	2	3	4	5	0
h. I find the OE Web site engaging.	1	2	3	4	5	0
i. I can easily navigate through the OE Web site.	1	2	3	4	5	0
j. My students can access the OE Web site at our school.	1	2	3	4	5	0
k. My students find the OE Web site interesting and engaging.	1	2	3	4	5	0
l. I know everything I need to know to use the OE Web site in my classroom.	1	2	3	4	5	0
m. The OE Web site provides information that I need.	1	2	3	4	5	0

Q25. Which, if any, OE Web site components do you plan to use in your future teaching? How do you plan to use these (e.g., as primary materials, enrichment, homework assignments, etc.)?

Part III. Your Students' Experience with the Web sites

Q26. Indicate the extent to which you agree with the following statements by circling the appropriate number.

As a result of my use of NOAA online education resources in the classroom....	Strongly disagree		Neutral		Strongly agree	N/A
a. My students enjoyed learning about ocean related topics.	1	2	3	4	5	0
b. My students are better prepared academically for the end-of-year state assessments.	1	2	3	4	5	0
c. My students are more engaged in their learning.	1	2	3	4	5	0
d. My students are more aware of the work of ocean scientists.	1	2	3	4	5	0
e. My students are more interested in ocean science related careers.	1	2	3	4	5	0

Q27. Do you think ocean exploration is an engaging topic for your students? If so, is it more engaging than other science topics? Why or why not?

Q28. How engaged were the majority of the students as they participated in the NOS/OE related activities? (Please check the appropriate box)

--	--	--	--	--

Not engaged at all
Extremely engaged

Q28a. By comparison, how engaged were these same students when they participated in a typical science related activity? (Please check the appropriate box)

--	--	--	--	--

Not engaged at all
Extremely engaged

Part IV. Reflections on your use of NOAA’s Online Education Resources

Q29. Please tell us how using both NOS and OE’s materials might have affected your work as a teacher.

	Strongly disagree		Neutral		Strongly agree	N/A
a. I have increased my own knowledge about ocean related topics through my work with NOAA’s online education resources.	1	2	3	4	5	0
b. I know how to use NOAA’s online education resources with my students.	1	2	3	4	5	0
c. My participation in this professional development has enabled me to improve my students’ learning about the ocean.	1	2	3	4	5	0
d. Using these resources in my classroom has increased my understanding of NOAA’s role in ocean science.	1	2	3	4	5	0
e. I have used components of NOAA’s online education resources as homework assignments.	1	2	3	4	5	0
f. I intend to regularly access NOAA’s online education resources.	1	2	3	4	5	0
g. I intend to use NOAA’s online education resources as I plan next year’s curriculum.	1	2	3	4	5	0

Q30. Do you think ocean exploration is an engaging topic? If so, is it more engaging than other science topics? Why or why not?

Q31. How did using these materials change your own understanding of the value of and need for ocean science education?

Q32. How did these materials change your understanding of the knowledge and skills necessary for your students to pursue careers in the area of ocean related careers?

Q33. Did you share any of the workshop information with other teachers? If yes, please describe what information you shared.

Q34. Any additional comments? *(use next page if needed)*

Paperwork Reduction Act Statement: Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other suggestions for reducing this burden to Bruce Moravchik, NOAA National Ocean Service: Bruce.Moravchik@noaa.gov, PH: 301-713-3060 ext. 219. Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subjected to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

