

MRS. RICHARDS' EARTH SCIENCE NOAA PROJECT

Assignment: Research any topic relating to the National Oceanic and Atmospheric Administration (NOAA) research cruise that Mrs. Richards will be participating in. You can present your research in any format you choose. The lists below may help you generate ideas.

Due Date: Friday, August 31, 2001. Presentations to the class will take place August 31 and September 4.

Grading Criteria: This project is worth 100 points, allocated as follows:

IB Criteria B ¹	Rubric Score 6 * 5	30 points
IB Criteria C ¹	Rubric Score 6 * 5	30 points
Creativity and Presentation ²		20 points
Quality of Research ³		20 points

¹Since the IB criteria make up most of your grade, you should consult them frequently as you work on your project. Don't forget, the criteria are located at the beginning of your Interactive Textbook.

²Use color, show effort, and be prepared for your presentation to the class

³Make sure all sources are cited and that all information is in your own words!

Research Area Ideas:

- Types of ships
- History of ocean exploration
- Types of careers represented on the ship
- Qualifications of personnel
- Layout of the ship
- Recreation opportunities on the ship
- Data collection buoys
- Types of research done by NOAA
- Navigation equipment on the ship
- Laboratory equipment on the ship
- Ship specifications (size, speed, materials used in construction, etc.)
- Intertropical Convergence Zone (ITCZ)
- Sea life near the Galapagos Islands
- Land animals on the Galapagos Islands
- Vegetation (plants) on the Galapagos Islands
- Geography and topography of the Galapagos Islands
- Desalinization process (converting salt water to fresh water)
- Culture, language and people of the Galapagos Islands
- Darwin's observations of the Galapagos Islands and how they relate to his theory of evolution
- Earth's atmosphere
- Satellite communication
- Information and data about El Niño
- What is Climate and why is it important

Presentation Format Ideas:

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|------------|-----------------------|
| PowerPoint | Model or diorama |
| Flash | Web page |
| Video | Song and dance script |
| Poster | |