

# *World Oceans Investigation*

## *Map Poster/Presentation*



Each team of oceanographers will investigate an oceanic region of interest to the team. This might include one of the world's ocean basins, one of the world's oceans, or just a small part of one of these. The study may be conducted at a scale of the teams' choosing. For instance, working at a small scale (large area), a team might explore *a continental shelf, a continental rise, continental slope, or a region of Deep Ocean*. Conversely, a team might choose to work on a larger scale (smaller area) and investigate *a particular reef, atoll, archipelago or a particular section of beach or intertidal zone*.

The investigation may choose to focus on *biological, hydrologic, geologic, atmospheric, climatic, or topological components* of the area under study. In all cases, the investigation must approach the study from a geographic perspective, i.e., the final report must address multiple geographic themes, extensions and concepts. The final report will include the following components:

### **1. A map/poster containing:**

- A geographic question of interest to the learners
- A GIS base map of the study area at an appropriate scale
- Graphical elements illuminating the investigation results
- Text elements illuminating the results of the investigation
- A data table/chart illustrating some element of the investigation
- All conventional elements of a cartographically correct map, i.e. title, compass rose, identification, source, etc.

### **2. A “dynamic” map/poster presentation**

The presentation will consist of an ArcView based presentation of investigation findings that focuses on relating findings from the ocean investigation to the themes and extensions of geography (see attached). This presentation should include data at multiple scales and perspectives.

### **3. Individual Assessment Document**

Each individual team member will compose an original written document detailing her contribution to the collaborative project as well as demonstrating one's personal understanding of the material under investigation from a geographic perspective. In addition, the paper should include a graphical illustration of one critical geographic learning with an illuminating caption.

All evaluation elements will be assessed using provided rubrics (see attached).