

## Oceanography Project 2011

You will be asked to work in a team of 5 members to develop a unique piece of oceanographic sampling equipment that will help to progress ocean exploration. Please use existing research and design examples to come up with your own extension of a current piece of equipment and/or develop your own.

You will be asked to work as a team as a part of an oceanographic research company to promote your idea by putting together a plan and a poster to promote your equipment or new application of an existing piece of equipment.

The project must include the following components:

**Physical Oceanographic Component**

**Chemical Oceanographic Component**

**Biological Oceanographic Component**

**Geological Oceanographic Component**

**Technology Component**

The application will focus on using the ocean to study Global Climate Change. The proposed piece of equipment or application must include several oceanographic principles.

We will try to coordinate with Rutgers University scientists from the Institute of Marine and Coastal Science to provide feedback on your ideas. Each team member must provide their input in the areas bolded above.

You will present your idea and poster in January, but there will be time to work on it throughout the class. A team technical report will be due as well. We will form teams within the first weeks of school.