MARINE RELATED CAREERS
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Today's youth are exposed to many career areas and opportunities through travel, school, and the media. Many students are overwhelmed by the sheer numbers of career choices and need guidance in choosing a prospective career. Marine-related careers, in particular, often are singled out as of high interest to students. The mass media, by playing on society's ageless fascination with the sea and its creatures, have contributed largely to the popularity of marine-related careers. Most, if not all, of the media's treatment of marine careers, however, has focused on some aspect of marine biology, which is just one of a great many careers that pertain to the oceans. This media emphasis continues to motivate students toward careers in marine biology.

Marine careers are not limited to the study of ocean life. Often, marine-related jobs, particularly technical professions, are merely extensions of jobs performed on land. Some of the categories of marine-related careers that exist today include the merchant marine, fishing and the seafood industry, recreation and tourism, marine sciences, marine environmental management, marine technology, and the marine military. The educational requirements for these marine careers vary widely, from a high school degree to a Ph.D. degree, depending on the career choice. It is fair to say, however, that most careers require some type of formal education or training, and higher education usually means greater opportunities for advancement. Careers in the sciences, particularly those in the physical sciences currently offer students some of the best professional opportunities.

If your students are considering marine careers, it would be to their benefit to read as much information as they can about the careers, their requirements, and their potential job availabilities. The list of references provided here is a good place to start. Suggest to your students that they contact someone who is working in the career of their interest, so that they can get some first-hand knowledge about their field.

The University of Delaware Sea Grant Marine Advisory Service has produced a 20-minute slide/tape presentation on the subject, entitled "Marine Careers," which is available for free loan to interested educators. The presentation gives high school and college-level students practical information on a wide variety of marine-related career opportunities. For more information about the presentation, call Bill Hall, Sea Grant marine education specialist, at (302) 645-4253 or Chris Dyckman, Sea Grant media specialist, at (302) 451-8185.
BOUNDARY CONDITIONS FOR CLIMATE CHANGE SIMULATION

NOAA, National Oceanic and Atmospheric Administration.


The report contains a summary of the current state of knowledge about climate change and the potential impacts of climate change on the environment and society. The study was conducted by an international panel of experts who assessed the scientific literature and conducted their own research to develop a comprehensive understanding of the causes and potential effects of climate change.