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**Science
Experiments and
Activities**

Marine Science for
High School Students
in Chemistry, Biology
and Physics

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S.E.A. LAB

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Marine Science for
High School Students
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and Physics

12 on including

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Introducing You to S.E.A. Lab

S.E.A. Lab is a series of science experiments and activities designed for secondary school students taking biology, chemistry, physics, physical science or marine science courses. Each of the three major sections—chemistry, biology and physics—addresses concepts that are generally covered in those courses but incorporates aspects of marine science. In many cases, you can substitute S.E.A. Lab activities for labs from your text.

Within each section, you will find major concepts, such as density, pH, photosynthesis, respiration or sound, that are supported by student activities. Each activity contains background reading for you or your students, a materials list, procedures for completing the activity and extension ideas. Some of the activities are challenging; some are simple. At the end of each concept division, references, resources and education competencies are listed.

Use the table of contents to get started. Check the different ideas presented. Mix and match activities to show how basic science solves problems in coastal waters and the ocean. Activities in the chemistry section can enrich a biology lesson. Marine science problems integrate all the science disciplines.

S.E.A. Lab is designed so new activities can be added. We want to keep an open line of communication between marine research and the teacher. If you want to share your labs with other teachers or make suggestions on existing ones, contact the UNC Sea Grant Marine Education Specialist, Box 8605, North Carolina State University, Raleigh, North Carolina 27695-8605

Welcome aboard.

INTRODUCTION
