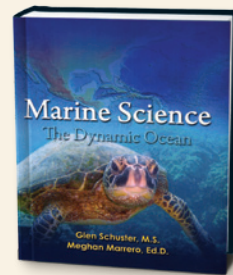


# TOP 5 REASONS



*Marine Science, The Dynamic Ocean* is a new high school course that's a tsunami wave above the rest!

## 5

### SEAMLESS TECHNOLOGY INTEGRATION

Proven E-tools for each Lesson, including animations, visualizations, videos, and data sets enhance students' learning of the integrated science content.

**Authentic examples.** Students can watch sea turtles laying eggs, measure changes in dissolved oxygen content in the Gulf of Mexico, and engage with interactive animations that clearly illustrate tsunami formation. Students and teachers may access E-tools both at school and home.

**Always relevant.** The strong technology component means that the product will 'change with the times' as new resources are added. Students study current events and issues relevant to marine science.

## 4

### ALL-IN-ONE PRODUCT

Text leads students purposely through hands-on labs, field explorations, demonstrations, and authentic data analysis.

**Integrated content and activities.** Instead of using separate laboratory, field, and e-resource manuals, these resources are built into students' course of study, supporting their understanding of the content.

## 3

### TEACHER AND STUDENT-FRIENDLINESS

Teacher Tips, Discussion Questions, Lesson Connections, History Notes, and Misconception Alerts assist teachers in facilitating exciting, relevant Lessons, through which students will make meaningful connections.

**Study Workbook.** Slower learners have extra practice with content area literacy strategies and inquiry skills, while advanced learners can access and analyze additional data sets to extend their learning.

**Differentiated Instruction.** Lessons incorporate diverse learning styles, including visual, mathematical, and kinesthetic, and include many ways for students to demonstrate what they have learned.

## 2

### PROVEN RESEARCH, DEVELOPMENT, AND TESTING SPONSORED BY NASA AND NOAA

Earlier versions of this product were supported by 10 years of federal funding and tested by hundreds of teachers and thousands of students across the country.

**Evaluation.** Studies show that students emerge with a better understanding of socio-scientific issues (e.g., offshore drilling, coastal development) and are better "systems thinkers", who better understand the relationship between the land, ocean, atmosphere, and biosphere.

## 1

### LIVE ANIMAL TRACKING!

Students track marine animals (either live or with archived data), including whales, sea turtles, sharks, and polar bears! By following "their animals", students are hooked into learning about the physical and biological processes of the ocean, and becoming scientific thinkers.

**Research and Analysis.** Students may optionally perform relevant, tailored Research and write regular entries in Online Analysis Journals. They apply authentic data to concepts while gaining scientific skills of analysis and inquiry.

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