

# Top 5 Reasons Why

Marine Science *The Dynamic Ocean* is a wave above the competition!



5

**Meets State Science Graduation Requirements.** Give your students a new, one-year option other than biology, chemistry, physics, and Earth science. *Award-winning Instructional Tools promoting 21<sup>st</sup> Century skills*, the E-tools for each Lesson, include animations, visualizations, videos, and data sets enhance your students' learning of the content goals. Marine Science can be a lab science course.

**Authentic examples meet Next Generation Science Standards.** Students will see sea turtles laying eggs, measure changes in dissolved oxygen content in the Gulf of Mexico, and engage with animations that clearly illustrate tsunami formation. Students and teachers may access hundreds of E-tools both at school and home.

**Always relevant.** A strong technology component means that Marine Science will "change with the times" as new resources are added. Students study current events and issues.



4

**All-in-One Product Offers a Rigorous Option to Stressful AP courses.** Text leads students through hands-on labs, field explorations, demonstrations, authentic data analysis. Coupled with their reading, they address Next Generation Science Standards.

**Course appeals to all learners.** Marine Science is a viable, rigorous option to AP courses.

**Integrated content and activities.** Rather than using separate laboratory, field, and e-resource manuals, Marine Science 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. 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. They include many ways for students to demonstrate what they have learned.

2

**Proven Research, Development, and Testing Sponsored by NASA and NOAA.** 10 years of federal funding tested content and strategies with 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.



**National Aeronautics and Space Administration**  
(NASA Award: NCC5433)



**National Oceanic and Atmospheric Administration**  
(NOAA Award NA06SEC4690006)

1

**LIVE and Archived 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, meeting standards, and becoming scientific thinkers.

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

