

Standard NGSS

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BIOZONE's NGSS Series encompasses all dimensions of the standards (Science and Engineering Practices, Crosscutting Concepts, and Disciplinary Core Ideas), addressing the program content through a wide range of engaging student-focused activities.

Through completion of the activities, students build a sound understanding of science and engineering practices, recognize and understand the concepts that link all domains of science, and build the knowledge base required to integrate the three dimensions of the standards to meet the program's performance expectations.

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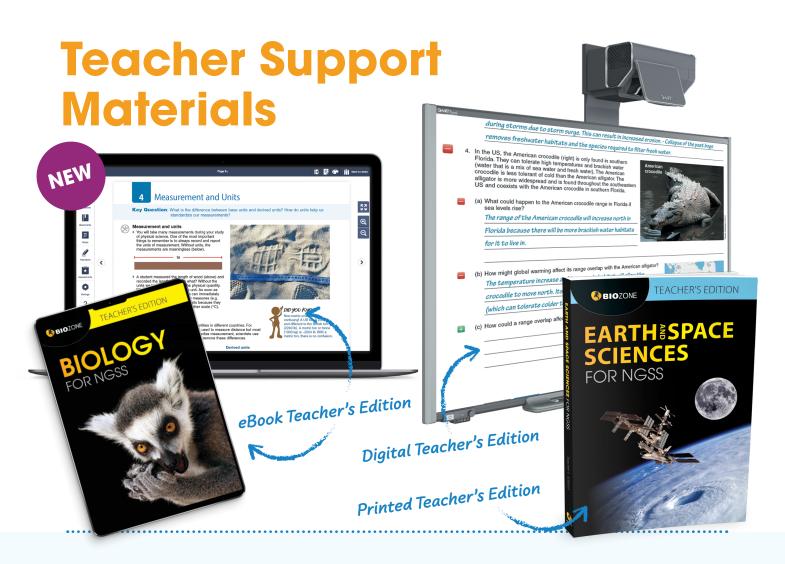


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Features and Benefits:

- The Disciplinary Core Ideas (DCIs) provide the structural framework for the workbook, dividing it into three sections. Each chapter provides activities to specifically address the performance expectations arising from the DCIs.
- Science and Engineering Practices are supported throughout with activities to
 develop skills in analyzing and interpreting data, developing and using models,
 and constructing explanations from evidence. A supporting introductory chapter
 provides students with additional opportunities to practice the mathematical and
 inquiry-based skills required at this level.
- Crosscutting concepts are identified throughout, allowing students to make connections between core ideas in different topics.
- Nature of Science: Students develop an understanding of the nature of science through incorporation of its basic principles into activities. The teacher's edition provides teacher guidance on this aspect.
- Engineering Design: The Engineering Design component of NGSS has been
 incorporated as appropriate through activities that engage the student in the
 solution of real world problems. This aspect of the standards provides an exciting
 opportunity for students to apply their knowledge in a creative way, with due
 consideration to social and environmental considerations.

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