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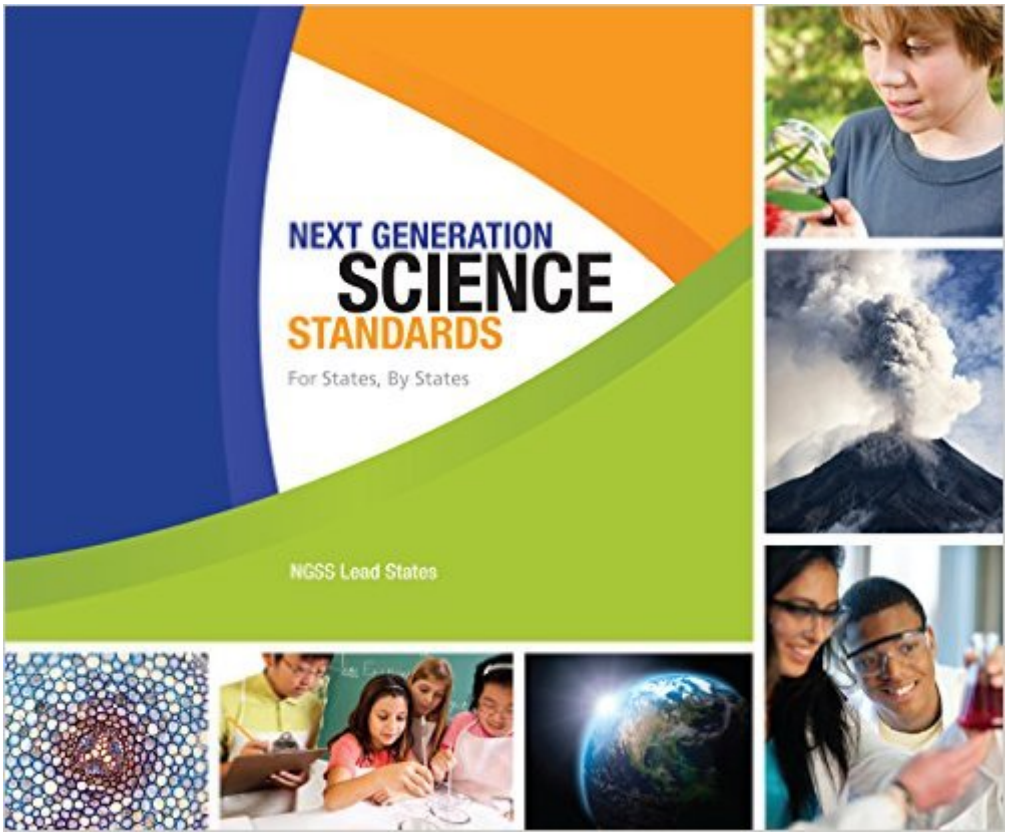
Next Generation Science Standards: For States, By States



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Synopsis

Next Generation Science Standards identifies the science all K-12 students should know. These new standards are based on the National Research Council's A Framework for K-12 Science Education. The National Research Council, the National Science Teachers Association, the American Association for the Advancement of Science, and Achieve have partnered to create standards through a collaborative state-led process. The standards are rich in content and practice and arranged in a coherent manner across disciplines and grades to provide all students an internationally benchmarked science education. The print version of Next Generation Science Standards complements the nextgenscience.org website and: Provides an authoritative offline reference to the standards when creating lesson plans Arranged by grade level and by core discipline, making information quick and easy to find Printed in full color with a lay-flat spiral binding Allows for bookmarking, highlighting, and annotating

Book Information

Paperback: 532 pages

Publisher: National Academies Press; Spi edition (September 15, 2013)

Language: English

ISBN-10: 0309272270

ISBN-13: 978-0309272278

Product Dimensions: 1.5 x 10.5 x 8.2 inches

Shipping Weight: 3 pounds (View shipping rates and policies)

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Customer Reviews

If you are involved in Science education for K - 12 I think you have no choice but to read this book. These are the new science guidelines that are being adopted by most States. I suggest that you keep a pencil & paper handy...I found that it helped to make notes until I became really familiar with the eye-rolling number of acronyms used in this program...be prepared to add "NGSS, SEPs, DCIs, CCs, frameworks, connections, clarification statements" and more to your pedagogy vocab list. It's pretty intense, especially when you consider that it's about to toss all the NCLB out the window. But,

regardless of whether you approve or disapprove of this change, this book lays out the new guidelines very completely (from K - 12) and in what I suppose is the most clear way possible. What is additionally daunting is the fact that these are guidelines only...they deliberately don’t take on content or content standards. Those are, I guess, state by state books yet to come.

These are the detailed "performance expectations" for students at various grade levels which define what kids should know and be able to do in schools that are teaching to the Next Generation Science Standards. The performance expectations are meant to drive assessment of student understanding, but are not meant to define a curriculum of study. Individual schools and districts can approach course sequencing and learning activities creatively; the standards just define what the kids should be able to do in the end.This work should be viewed as more of a reference text for teachers, school curriculum leaders, and test designers. It is very detailed, with many, many pages of individual performance expectations carefully broken down into what Disciplinary Core Idea(s), Crosscutting Concept(s), and Science/Engineering Practice(s) are woven together into that PE. Many are well done, but this was a document that was to some extent put together by committee. Actually committees (plural) of reviewers from lead states. It’s not perfect, and requires some informed analysis and creativity to interpret. Careful readers will find occasional inconsistencies.For those who want an easier to read overview of the principles and research behind the Next Generation Science Standards, look instead at "A Framework for K-12 Science Education".

had the cheapest price for this book, and it arrived in great condition.Since all science teachers are going to have to teach to these standards it is a must have book, even for those that have been teaching for many years.

The NGSS should be no surprise for anyone as it has been out in draft form for over a year! Opinions should already be formed one way or the other. I embrace these standards and will use them. I like having the Appendix as a separate book.

The book and content are great however the spiral bound falls apart nearly instantly after taking it out of the wrapping. I’ve returned and repurchased the resource three times hoping it was an individual defect but the spiral is defective with every book. I complained to the publisher and they disregarded me completely.

I was happy to received this order quickly. In addition it was wrapped neatly and delivered in great condition. I know my state has adopted Next Generation Science Standards and this book will be useful in understanding those changes.

I like the layout of this text. It offers options for implementing ngss into the classroom.

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