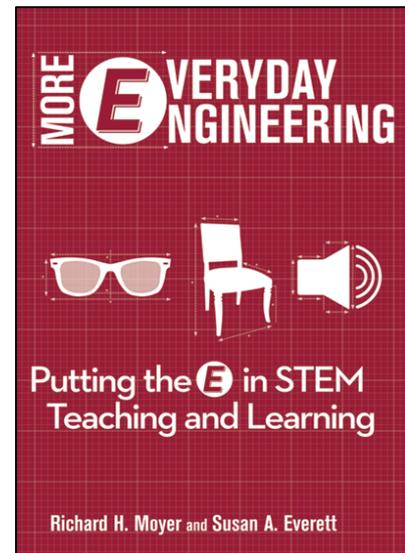


More Everyday Engineering: Putting the E in STEM Teaching and Learning

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Summary

This book is an ideal resource for sparking students' interest in the marvels of engineering behind seemingly simple items and events. Like *Everyday Engineering*, this new volume is based on the popular "Everyday Engineering" column in the US NSTA's award-winning middle years journal, *Science Scope*. Thirteen activities focus on three aspects of engineering: designing and building, reverse-engineering to learn how something works and constructing and testing models. Students can perform hands-on investigations of objects and phenomena they see all the time, asking questions such as these:

- What makes a wind-up toy get up and go?
- How does an earbud operate?
- Why does the line you're waiting in always seem the slowest?
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Each activity includes a clear explanation of the science and history behind the object's or phenomenon's development, plus a materials list, student data sheets and safety suggestions. The collection is useful for classroom teachers, as well as engineers leading outreach activities, leaders of after-school and summer enrichment programs and parents. *More Everyday Engineering* will have your students taking a number of things apart while they develop a lifelong interest in engineering.

Other Resources

- *The Big Ideas of Nanoscale Science & Engineering, Grades 7–12: A Guidebook for Secondary Teachers* (NST0973)
- *Everyday Engineering: Putting the E in STEM Teaching and Learning* (NST0577)
- *Bringing STEM to the Elementary Classroom* (NST0461)
- *Integrating Engineering and Science in Your Classroom* (NST0904)