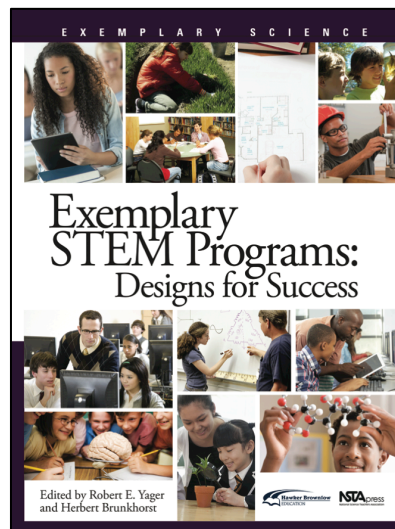


Exemplary STEM Programs: Designs for Success

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Summary

Everybody talks about STEM initiatives, but is anybody doing them effectively? This book's answer is a resounding *yes!* It tells the inside stories of 24 science, technology, engineering and mathematics programs that both connect with the *Next Generation Science Standards* and lead to successful student learning.

The featured programs make it clear that STEM education can work for all age levels and in a variety of settings – traditional classrooms, charter and magnet schools, informal education programs, and after-school and summer activities. A look at the chapter titles shows you the broad range of STEM-related subjects:

- STEM Starters: An Effective Model for Elementary Teachers and Students
- STEMRAYS: After-School STEM Research Clubs
- Urban STEM: Watch It Grow!
- Mission Biotech: Using Technology to Support Learner Engagement in STEM
- Mixed-Reality Labs: Combining Sensors and Simulations to Improve STEM Education
- A State STEM Initiative Takes Root and Blossoms
- Developing STEM Site-Based Teacher and Administrator Leadership

Whether you're a teacher seeking fresh ideas, an administrator eager to learn what other schools do or a regional science coordinator charged with making professional development more effective, this creative collection offers the information and inspiration you need to make your own STEM programs exemplary.

Other Resources

- *Leading Educational Change: Global Issues, Challenges, and Lessons on Whole-System Reform* (TCP4162)
- *STEM Student Research Handbook* (NST9334)
- *From STEM to STEAM: Using Brain-Compatible Strategies to Integrate the Arts* (CO8320)