

## The Everything STEM Handbook: Help Your Child Learn and Succeed in the Fields of Science, Technology, Engineering, and Math

By Rihab Sawah, Anthony Clark



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Projects and experiments to inspire and challenge your kids!

The STEM fields (science, technology, engineering, and math) are top education priorities in the United States--and they are growing fields with a high demand for jobs. If you want to make sure your children are prepared for the future in these fields, here's how you can help: Make it fun! Expose them to hands-on, real-world, and fun activities so they'll become engaged, motivated, and successful students later on.

Look inside for ideas and activities to stimulate your child's interest in these fascinating subjects, including:

- Racing juice cans
- Setting up a circuit
- Observing potato osmosis
- Building a mousetrap race car
- Creating a Cartesian treasure map
- · Going on a geometry scavenger hunt
- Building a bridge
- Exploring food chemistry

With easy-to-understand examples, problem-solving tips, and hands-on projects your family can create together, this guide gives you the tools you need to help your kids excel and foster a lifetime love of learning.

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- Sales Rank: #114711 in Books
- Published on: 2015-08-09
- Released on: 2015-08-09
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .60" w x 8.00" l, .0 pounds
- Binding: Paperback
- 320 pages

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#### **Editorial Review**

About the Author

**Rihab Sawah MS, MA**, is an award-winning professor with nearly twenty years of teaching experience. An associate professor of physics at St. Louis Community College, she has taught courses in physics, engineering, astronomy, physical science, and mathematics. She is frequently invited to teach other educators about her engaging classroom techniques, including a recent presentation at the STEMtech Conference in Denver, Colorado. She lives in St. Charles, MO.

**Anthony Clark, PhD**, is an associate professor of business and economics at St. Louis Community College. Dr. Clark has taught classes in economics, statistics, business mathematics, and sustainability, and has conducted research in natural resource management and sustainability. He lives in St. Charles, MO.

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