



## STEM Resources

### Definitions

- **Science** is answering questions with observation and isolating variables.
- **Technology** is any purposeful modification of the natural world.
- **Engineering** is solving problems using a design process.
- **Math** is the relationship between things real or imagined, based on logic and often quantified with numbers.

### Math and Science Books

- *Math Curse* by Jon Scieszka and Lane Smith
- *Science Curse* by Jon Scieszka and Lane Smith
- *The Grapes of Math* by Greg Tang
- Other books by Greg Tang including *Math Potatoes*, *Math Fables*, *Math for all Seasons*, and *The Best of Times*
- *Incredible Inventions*, poems selected by Lee Bennett Hopkins
- *Bite-Sized Science: Activities for Children in 15 Minutes or Less* by John H. Falk and Kristi S. Rosenberg
- *What is a Scientist* by Barbara Lehn
- *Technology: A Byte-Size World!* by Basher Science
- *The New Way Things Work* by David Macauley

### Websites

- Reading Rockets Literacy in Science - Provides lots of links, book lists, author interviews, etc. - [http://www.readingrockets.org/extras/stem\\_series/](http://www.readingrockets.org/extras/stem_series/)
- STEM Friday blog - <http://stemfriday.wordpress.com/>
- PBS Teachers STEM Education Resource Center - <http://www.pbs.org/teachers/stem/>
- Idaho library STEM resources – books, games, activities <http://libraries.idaho.gov/STEM-Resources>
- STEM Education Coalition - <http://www.stemedcoalition.org/>
- Exploratorium Science Museum - <https://www.exploratorium.edu/explore>

### Awards

- The Cook Prize – Honors the best STEM picture book for kids aged eight to ten
  - <http://bankstreet.edu/center-childrens-literature/cook-prize/>
- National Science Teacher's Association Outstanding Science Trade Books for Students
  - <http://www.nsta.org/publications/ostb/ostb2013.aspx>
- American Association for the Advancement of Science/Subaru Science Books & Film (SB&F) Prize for Excellence in Science Books
  - <http://www.sbsonline.com/Subaru/Pages/CurrentWinners.aspx>