Books About Science, Technology, Engineering, & Mathematics

Grades K-2

1. Science Kids: Planet Earth by Deborah Chancellor
   - Explaining the science of the earth in an easy to understand manner with topics like: environments, geological forces, weather and climate, and the incredible diversity of life on Earth.

2. The Savvy Cyber Kids at Home: The Family Gets a Computer by Ben Halpert
   - Teaching kids computer safety and keeping personal information private.

3. Science Kids: Maps and Mapping by Deborah Chancellor
   - Learn about maps, how they are made, how to use them, and decoding their symbols.

4. Follow that Map! A First Book of Mapping Skills by Scot Ritchie
   - In the interactive book, kids learn how to use a map by following Sally and her friends as they search for different things throughout their town.

5. There’s a Map on my Lap!: All About Maps by Tish Rabe and Aristides Ruiz
   - Follow the Cat in the Hat as he teaches kids about different types of maps and how to read them by using their symbols.

6. The Home Depot Big Book of Tools by Kimberly Weinberger
   - Learn all about tools and their different uses.

   - A family learns to identify animal tracks and what an animal has recently eaten while exploring the Rocky Mountains.

8. The Littlest Camper Visits Grand Teton National Park by Jennifer Haley
   - Join the family as they explore the park, hike, canoe, and camp.

   - When there is a community-wide blackout, kids learn the importance of energy in our lives and ways to conserve it.

10. Water (Reduce, Reuse, Recycle) by Alexandra Fix
    - Learn about water, how it gets to houses from lakes and rivers, where it goes after the drain, and what happens when it is wasted.

11. The Water Hole by Graeme Base
    - Combines a lesson in counting along with a tour of the world as children the importance of water conservation.

    - Follow the journey of a single drop of water over the course of a year as it goes through the water cycle.

13. The Magic School Bus at the Waterworks by Joanna Cole and Bruce Degen
    - Join Ms. Frizzle’s class as they follow a trail of water through the water cycle.

14. The Magic School Bus Inside the Earth by Joanna Cole and Bruce Degen
    - Ms. Frizzle’s class takes a trip through the Earth’s crust, to the center of the Earth, and through a volcano!

15. The Magic School Bus Lost in the Solar System by Joanna Cole and Bruce Degen
    - When the planetarium is closed, the Magic School Bus turns into a spaceship and the class takes a journey through the solar system.
Grades 3-5

1. **The Kids Multicultural Art Book: Art and Craft Experiences from Around the World (Kids Can!)** by Alexandra Michaels
   - Learn about different world cultures by creating art and artifacts from the activities in this book.

2. **Kids During the Industrial Revolution (Kids Throughout History)** by Lisa A. Wroble
   - Learn about the Industrial Revolution and the role children played as well as their quality of life during this time.

3. **If You Lived in Colonial Times** by Ann McGovern
   - Learn about the daily life of people living during colonial times through the eyes of colonial children.

4. **Kids Around the World Create! The Best Crafts and Activities from Many Lands** by Arlette N. Braman
   - Generate interest in and respect for cultures all around the world. Craft activities help children learn about ancient and modern cultures.

5. **The Kids Book of the Far North** by Ann Love
   - Learn about the history and people who occupy the far north region of the world. Organized in topics including: climate, natural resources, history of settlement, exploration, and traditional and contemporary culture.

6. **Hands-On Archaeology: Real-Life Activities for Kids** by John White, Ph.D.
   - Written by an experienced archaeologist and anthropologist, this book encourages students to think like a scientist and teaches the fundamentals of archaeology.

7. **My Big Science Book** by Simon Mugford
   - Provides concepts and experiments that are easy to understand and incorporates relevant topics to engage a child.

8. **Science in Seconds for Kids: Over 100 Experiments You Can Do in Ten Minutes or Less** by Jean Potter
   - Quick, simple projects with easy to follow instructions teach kids. Each experiment comes with an explanation of what should happen and why to help kids learn.

9. **The Magic School Bus Lost and the Science Fair Expedition** by Joanna Cole and Bruce Degen
   - While preparing for the Science Fair, Ms. Frizzle's class goes back in time, meeting famous scientists and witnessing major discoveries.

10. **The Brooklyn Bridge: The Story of the World's Most Famous Bridge and the Remarkable Family that Built it** by Elizabeth Mann
    - Learn about the construction of what was the world's longest bridge and the difficulties John Roebling had in making his dream come alive.

11. **Bridges: Amazing Structures to Design, Build, and Test** by Carol A. Johmann
    - Provides a clear explanation of different types of bridges and how they are designed, constructed, and maintained. Also included are projects related to building bridges and models.

12. **Your Planet Needs You: A Kid’s Guide to Going Green (Science of Survival)** by Dave Reay and Alan Rowe
    - Max and Henry become global warming warriors. Conservation tips for at home, school, in the garden, and the community.
13. **The Geography Book: Activities for Exploring, Mapping, and Enjoying your World by Caroline Arnold**  
- Divided by themes (maps, land formations, water, and weather), this book clearly explains concepts and provides a project for each topic.

14. **Mathematicians Are People Too: Stories from the Lives of Great Mathematicians by Luetta Reimer**  
- Learn about famous mathematicians throughout history and their contributions to the field.

15. **One Well: The Story of Water on Earth by Rochelle Strauss**  
- Looking at all of the water on Earth as part of one well, learn about the use and abuse of water and ways to help conserve the essential resource.

**Grades 6-8**

1. **Steven Caney’s Ultimate Building Book by Steven Caney**  
- Starting with the history of construction, design, and invention, this book goes on to teach kids how things are built and how they can create similar structures themselves.

2. **The Art of Construction: Projects and Principles for Beginning Engineers & Architects by Mario Salvadori**  
- Learn the basic principles to constructing everyday structures. Perfect for those who wonder why things are built the way they are and why the architecture is successful.

- Presents challenging math concepts and through interesting projects that covers a wide range of content and skills.

4. **The Young Naturalist (Usborne Guide) by Andrew Mitchell**  
- Learn all about the outdoors, the creatures and plants that inhabit it, and take part in fun experiments and activities to increase your understanding of the world around you.

5. **99 Jumpstarts for Kids’ Science Research by Peggy Whitley and Susan Williams Goodwin**  
- Divided into topics sections that include definitions of commonly used terms, potential research topics, and further resources to explore.

6. **Ancient Machines: From Wedges to Waterwheels (Ancient Technology) by Michael Woods and Mary B. Woods**  
- Learn about engineering from a historical perspective by examining ancient structures.

7. **Career Ideas for Kids Who Like Computers by Diane Lindsey Reeves**  
- Filled with career profiles, resources, volunteer opportunities, activity suggestions, and self-discovery questions and quizzes to help kids learn about career paths in this field.

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Booklist compiled by Virginia Career VIEW, Virginia Tech, [www.vacareerview.org](http://www.vacareerview.org)

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