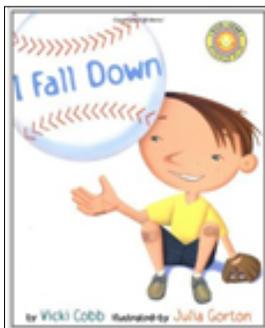


***In Search of Wonder: Common Core and More***  
**Chemistry and Physics**  
**Book Recommendations**

This list of book recommendations was created by specialists in literature for young people to supplement *In Search of Wonder: Common Core and More*, a professional development day presented by The National Children’s Book and Literacy Alliance, in conjunction with the Perry Ohio School District. We invite you to print and share this list as needed. Books are listed by age range. This document is formatted so you can print it double sided on 3-hole punch paper and store in a binder. Lists of book recommendations for many other categories are available at: [thencbla.org](http://thencbla.org)



**I Fall Down**

Written by Vicki Cobb, illustrated by Julia Gorton.

Published by HarperCollins.

For ages 3-6.

Nonfiction: Science author Vicki Cobb explains the weighty subject of gravity with such ease that even the youngest kids will understand. Together you'll learn how much fun falling for science can be.

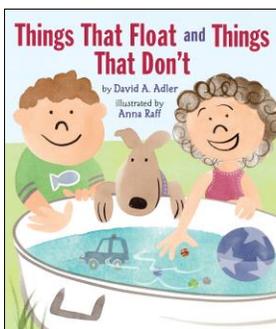
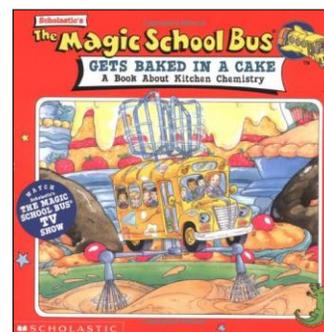
**The Magic School Bus Gets Baked in a Cake:  
A Book About Kitchen Chemistry**

Written by Joanna Cole and Bruce Degen, illustrated by Ted Enik.

Published by Scholastic.

For ages 4-8.

Fiction: It's Ms. Frizzle's birthday and the class tries to bake a cake but winds up inside it, learning about mixtures and reactions that occur when ingredients are put together.



**Things That Float and Things That Don't**

Written by David A. Adler, illustrated by Anna Raff.

Published by Holiday House.

For ages 5-7.

Nonfiction: It can be surprising which objects float and which don't. An apple floats, but a ball of aluminum foil does not. If that same ball of foil is shaped into a boat, it floats! Why? And how is it possible that a huge ship made of steel can float? Answering these questions about density and flotation is David A. Adler's clear, concise text, paired with Anna Raff's delightful illustrations. Activities that demonstrate the properties of flotation are included.

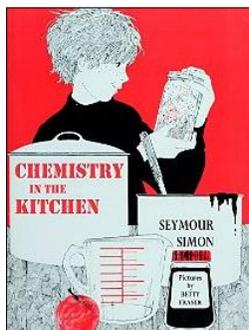
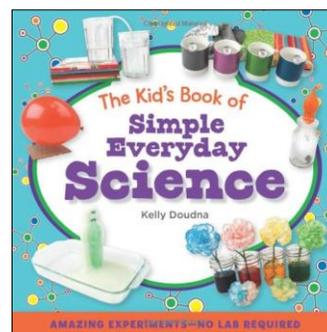
### **The Kids Book of Simple Everyday Science**

Written by Kelly Doudna.

Published by Scarletta JR, an imprint of Scarletta Press.

For ages 5-9.

Nonfiction: These 40 simple science activities will have young kids searching the house for everyday items to learn about temperature, pressure, water, air, heat, and plants! Each easy and fun activity includes how-to photos, simple instructions, short explanations, and introduces beginning math principles. With tips and extra information to extend the scientific experience, this book will get kids thinking like scientists in no time at all! Look for its sequel in Spring 2015!



### **Chemistry in the Kitchen**

Written by Seymour Simon, illustrated by Betty Fraser.

Published by Viking Juvenile.

For ages 7 and up.

*Note: This book is out of print. Please ask for it at your local library or used book bookstore.*

Nonfiction: Simple chemistry experiments using ordinary kitchen equipment illustrate facts about molecules, matter, elements, compounds, mixtures, and vitamins.

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### **Soda Science**

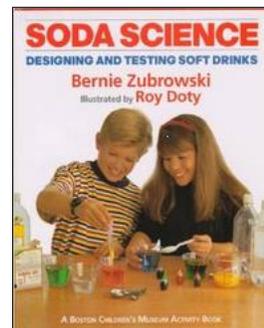
Written by Bernie Zubrowski, illustrated by Roy Doty and Elizabeth Hathon.

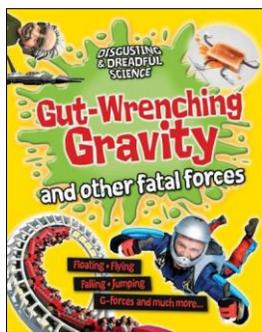
Published by HarperCollins.

For ages 7 and up.

*Note: This book is out of print. Please ask for it at your local library or used book bookstore.*

Nonfiction: Helen Rosenberg writes in *Booklist*, “Zubrowski uses a series of fun, simple kitchen science experiments to explore the process of soda pop manufacturing. More than 50 experiments are included, demonstrating such things as how colors and flavors are extracted from natural ingredients and how yeast and baking soda can be used to create “stills” for distilling water. Young scientists can create their own soda recipes with utensils and ingredients found at home as they learn what occurs in commercial soft drink production. Basic math and science concepts are introduced along the way, with black-and-white cartoon-style illustrations and diagrams enhancing the explanations. There is even a section with sample surveys for testing creations on friends. A book that reinforces the idea that science is everywhere—even in your favorite soft drink.”





### **Gut-Wrenching Gravity and Other Fatal Forces**

Written by Anna Claybourne.

Published by Peachtree.

For ages 8-11.

Nonfiction: Learn about the disgusting, freaky, and intriguing aspects of gravity. Readers also can get their hands dirty with easy and painless experiments. This book is part of a series of science books that offer fascinating facts, fun examples, and true-life stories to provide ways into understanding solid scientific principles.

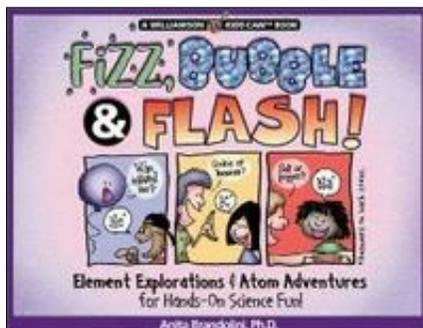
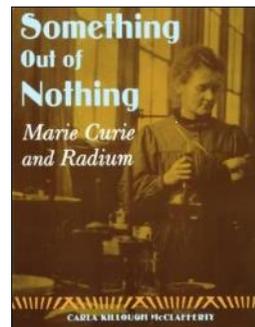
### **Something Out of Nothing: Marie Curie and Radium**

Written by Carla Killough McClafferty.

Published by Farrar Straus Giroux, an imprint of Macmillan Children's Publishing Group.

For ages 8-12.

Biography: Marie Curie's life and work are given a fresh telling, one that also explores the larger picture of the effects of radium in world culture, and its exploitation and sad misuse.



### **Fizz, Bubble, & Flash:**

#### **Element Explorations & Atom Adventures**

Written by Anita Bandolini, illustrated by Michael P. Kline.

Published by Williamson Publishing.

For ages 9 and up.

Nonfiction: Discover what you have in common with party balloons, footballs, computer chips, pizza dough, table salt, and TV screens; "Break" a water molecule, produce fluorescent light. Find out why broccoli smells, why soda makes a coin shine, the secret of static cling, and what makes a smoke detector work.

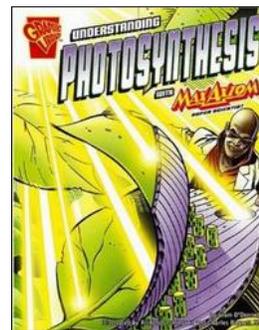
### **Max Axiom Super Scientist Series**

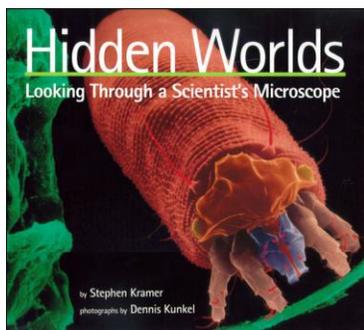
Written and illustrated by various authors and illustrators.

Published by Capstone.

For ages 9-12.

Graphic Science Series: In this series follow the adventures of super scientist Max Axiom as he explains—science, of course!—written in graphic-novel format. Books in the series address various science topics such as electricity, sound, states of matter, and photosynthesis.





**Hidden Worlds: Looking Through a Scientist's Microscope**

Written by Stephen Kramer, illustrated by Dennis Kunkel.

Published by Houghton Mifflin Harcourt.

For ages 9-13.

Nonfiction: There are hidden worlds in nature—places you can visit only with a microscope. For more than twenty-five years, Dennis Kunkel has been exploring these worlds. Through the lenses of powerful microscopes, he has examined objects most people have never even thought about: a mosquito's foot, a crystal of sugar, a grain of pollen, the delicate hairs on a blade of grass. *Hidden Worlds* takes you behind the scenes of Dennis's work and explains how he captures his remarkable images of microscopic life and objects. You'll learn how Dennis became interested in microscopes as a boy, how he prepares specimens for study, and how different kinds of microscopes work. You'll also have the chance to follow Dennis as he collects in the field—from the ash-covered slopes of Mount St. Helens to the lava tubes, rainforests, and beaches of his home state of Hawaii.

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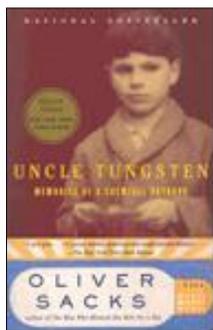
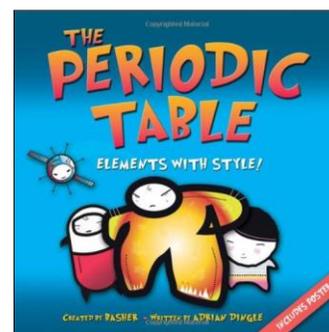
**The Periodic Table: Elements with Style**

Written by Adrian Dingle, illustrated by Simon Basher.

Published by Kingfisher.

For ages 10-15.

Nonfiction: *The Periodic Table* introduces budding chemists to the world of the elements. Designed to resemble popular networking websites, the pages of this book feature "homepages" for each of the chemical elements—complete with witty and informative profiles written by the elements themselves.



**Uncle Tungsten: Memories of a Chemical Boyhood**

Written by Oliver Sacks.

Published by Vintage.

For ages 13 and up.

Memoir: Oliver Sacks chronicles his love affair with science and the magnificently odd and sometimes harrowing childhood in which that love affair unfolded. *Uncle Tungsten* is a crystalline view of a brilliant young mind springing to life, a story of growing up which is by turns elegiac, comic, and wistful, full of the electrifying joy of discovery.

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