Chemistry Reading List

This is neither a comprehensive nor definitive list … it is merely a partial listing of books from my personal library. It is offered for those students who have asked for **additional non text-book, non-required reading**.

Chemical Magic

Bert Easley, **Doing Magic for Youngsters**, D. Robbins, Brooklyn, NY. 1997, 122 pages.
Leonard Ford, **Chemical Magic**, Dover Publications, New York, NY. 1993, 109 pages.
John Lippy & Edward Palder, **Modern Chemical Magic**, No listed Publisher or copyright date, 164 pages.

Chemistry Stuff

Kyle Buchanan & Dean Roller, **Memorize the Periodic Table,** Memory Worldwide, 2013, 94 pages.
Cathy Cobb & Monty Fetterolf, **The Joy of Chemistry**, Prometheus Books, Amherst, NY. 2005, 233 pages.
Theodore Gray, **Elements**, Black Dog & Leventhal, New York, NY. 2009, 240 pages.
Theodore Gray, **Molecules**, Black Dog & Leventhal, New York, NY. 2014, 240 pages.
Theodore Gray, **Reactions**, Black Dog & Leventhal, New York, NY. 2017, 216 pages.
Albert Swerta, **A Guide to the Elements**, Oxford University Press, New York, NY, 2012, 256 pages.
Benjamin Wiker, **The Mystery of the Periodic Table**, Bethlehem Books, San Francisco, CA. 2003, 163 pages.

Chemistry in Every Day Living

Dan Agin, **Junk Science,** Thomas Dunne, New York, NY. 2006, 313 pages.
John Emsley, **Molecules at an Exhibition,** Oxford University Press, New York, NY. 1998, 280 pages.
John Emsley, **Vanity, Vitality, and Virility,** Oxford University Press, New York, NY. 2004, 259 pages.
Stephen Farmer, **Strange Chemistry**, John Wiley, New York, NY, 2017, 346 pages.
Simon Field, **Why There's Antifreeze in your Toothpaste**, Chicago Review, Chicago, IL. 2008, 263 pages.
Ben Goldacre, **Bad Science,** Faber & Faber, New York, NY. 2010, 288 pages.
Nick Lane, **Oxygen: The Molecule that made the World**, Oxford University Press, New York, NY. 2002, 174 pages.
Mark Miodownik, **Liquid Rules**, Mariner Books, New York, NY. 2019, 232 pages.
Joe Schwarcz, **Dr. Joe & What You Don't Know**, ECW Press, Toronto, Canada, 2003, 241 pages.
Joe Schwarcz, **That's the Way the Cookie Crumbles,** ECW Press, Toronto, Canada, 2002, 273 pages.
Carl Snyder, **The Extraordinary Chemistry of Ordinary Things**, John Wiley, New York, NY. 117 pages.

Toxic Chemistry of The Environment

Mike Adams, **Food Forensics**, Ben Bella Books, Dallas, TX. 2016, 368 pages.
Linda Bonvic. **A Consumer's Guide to Toxic Food Additives**, Skyhorse Publications, New York, NY, 2020, 216 pages.
Nena Baker, **The Body Toxic**, North Point Press, New York, NY. 277 pages.
Deborah Blum, **The Poison Squad**, Penguin Press, New Pork NY. 2018, 330 pages,
Dave Farina, **Is This WiFi Organic: Guide to Spotting Misleading Science Online**, Mango Press, Coral Gables, FL 2021, 285 pages.
Gail Jarrow, **The Poison Eaters**, Calkins Creek, New York, NY. 2019, 157 pages.
Bruce Lourie & Rick Smith, **ToxIN ToxOUT**, Random House, New York, NY. 2013, 290 pages.
Rick Smith & Bruce Lourie, **Slow Death by Rubber Duck**, Couterpoint, New York, NY, 2008, 328 pages.
Ruth Winter, **A Consumer's Dictionary of Food Additives**, Three Rivers Press, New York, NY, 2009, 595 pages.
George Zaidan, **Ingredients: The Strange Chemistry of What We Put In Us and on Us,** Dutton, NY. 2020, 299 pages.

General Science & Invention

Tom Bethell, **The Politically Incorrect Guide to Science**, Regnery Publications, 2005, 270 pages.
Ira Flatow, **They All Laughed**, Harper, New York, NY. 1993, 240 pages.
Allyn Freeman & Bob Golden, **Why Didn't I Think of That?** John Wiley, New York, NY. 1997, 235 pages.
Walter Gratzer, **Eurekas and Euphorias**, Oxford University Press, New York, NY. 2002, 355 pages.
Paul Halpern, **What's Science Ever Done For Us?** John Wiley, New York, NY. 2007, 262 pages.
Kate Kelly, **That's Not in my Science Book**, Taylor Trade, New York, NY. 2006, 226 pages.
Karl Kruszelnicki, **Great Myth-Conceptions**, Andrew McMeel Publishing, Kansas City, MO. 2006, 209 pages.
Bobby Mercer, **How Do You Light A Fart?** Adams Media, Avon, MA. 2009, 221 pages.
Royston Roberts, **Serendipity: Accidental Discoveries in Science**, John Wiley, New York, NY. 1989, 270 pages.
Authur Wiggins, **The Joy of Physics**, Prometheus Books, Amherst, NY. 2007, 390 pages.
Daniel Wilson & Anna Long, **The Mad Scientist Hall of Fame**, Citadel Press, New York, NY. 2008, 287 pages.
Robert Wolke, **What Einstein Told His Barber**, Dell Trade, 2000, 269 pages.
Keith & Kent Zimmerman, **Mythbusters**, Simon Spotlight, New York, NY. 2005, 205 pages.

Emphasis on History

Hugh Aldersey-Williams, **Periodic Tales: A Cultural History of the Elements**, Harper-Collins, New York, NY. 2011, 428 pages.
Brian Clegg, **Armageddon Science,** St Martin's, New York, NY, 2010, 294 pages.

Robert Jaffe, **Crucibles: The Story of Chemistry**, Dover Publications, New York, NY. 1978, 368 pages.
Rick Beyer, **The Greatest Science Stories Never Told**, Harper, New York, NY. 2009, 215 pages.
Alex Boese, **Elephants on Acid and Other Bizarre Experiments**, Harcourt, New York, NY. 2007, 290 pages.
Eric & Jonathon Dreghi, **Follies of Science**, Spock Press, Denver, 2006, 128 pages.
Tom Emery, **Hellfire Boys**, Little Brown, and Company, New York, NY. 2017, 535 pages.
John Emsley, **Molecules of Murder**, Criminal Molecules and Classic Cases, RSC Publishing, 2008, 252 pages.
Paul Freedman, **Food: The History of Taste**, University of California Press, Berkeley, CA. 2007, 368 pages.
Andrew Hudson, **The Story of Measurement**, Thames Hudson, London, England, 2007, 224 pages.
Tom Jaclson, **The Elements: An Illustrated History of the Periodic Table**, Shelter Harbor, New York, NY. 2012, 144 pages.
Lydia Kang & Nate Pedersen, **Quackery**, Workman Publishing, New York, NY. 2017, 343 pages.
Sam Kean, **The Bastard Brigade**, Little Brown, New York, NY, 2019, 447 pages.
Sam Kean, **Dinner With King Tut**, Little Brown, New York, NY, 2025, 453 pages.
Sam Kean, **The Disappearing Spoon**, Little Brown, New York, NY, 2010, 292 pages.
Sam Kean, **The Violinist's Thumb,** Little Brown, New York, NY, 2012, 401 pages.
Sam Kean, **Tale of the Dueling Neurosurgeons,** Little Brown, New York, NY, 2014, 407 pages.
Sam Kean, **Caesar's Last Breath,** Little Brown, New York, NY, 2017, 373 pages.
Sam Kean, **The Icepick Surgeon**, Little Brown, New York, NY. 2021, 359 pages.
J. Langone, B. Stutz, & A. Gianopoulos, **Theories For Everything**, National Geographic, Washington DC. 2006, 408 pages.
Penny LeCouteur & Jay Burreson, **Napoleon's Buttons**, Penguin Books, New York, NY. 2004, 376 pages.
Simon LeVay, **When Science Goes Wrong**, Penguin, London, England, 2008, 287 pages.
Derek B. Lowe, **The Chemistry Book**, Sterling Publishing, New York, NY. 2016 528 pages.
Kate Moore, **Radium Girls**, Source Books, Naperville, IL. 2017, 480 pages.
Paul Offit, **You Bet Your Life**, Basic Books, New York, NY. 2021, 258 pages.
Steve Olson, **The Apocalypse Factory**, WW Norton, 2020, 336 pages.
Anne Rooney, **The Story of Chemistry**, Arcturus Publications, London, UK, 2017, 208 pages.
Edward Spiers, A **History of Chemical and Biological Weapons**, Reakton Books, London, UK. 2010, 223 pages.
Surendra Verma, **Beginnings, Blunders and Breakthroughs in Science**, MJF Books, New York, NY. 2007, 209 pages.
Robert Youngson, **Scientific Dumbology**, Magpie Books, London, England, 1988, 338 pages.

Home Experimentation

Patrick Buckley & Lily Binns, **Hungry Scientist Handbook**, Collins Living, New York, NY. 2008, 204 pages
Vicki Cobb, **Science Experiments You Can Eat**, Harper, New York, NY. 1994, 214 pages.
Vicki Cobb, **More Science Experiments You Can Eat**, Scholastic, New York, NY. 1979, 127 pages.
Sean Connolly, **Book of Totally Irresponsible Science**, Workman Publishing, New York, NY. 2008, 205 pages.
Theo Gray, **Mad Science,** Black Dog & Leventhal, New York, NY. 2009, 239 pages.
Theo Gray, **Mad Science 2,** Black Dog & Leventhal, New York, NY. 2013, 184 pages.
Joey Green, **The Mad Scientist Handbook**, Penguin, London, England, 2000, 128 pages.
Andrew Schloss, **Amazing (Mostly) Edible Science**, Quarry Books, Beverly, MA. 160 pages.
Robert Thompson, **Illustrated Guide to Home Chemistry Experiments**, O'Reilly, Sabastopol, CA. 2008, 415 pages.

Kitchen Chemistry

Stephen Beckett, **The Science of Chocolate**, RSC Publishing, York, UK, 2013, 240 pages.
Steve Ettlinger, **Twinkie, Deconstructed**, Hodson Street Press, New York, NY. 2007, 282 pages.
Stuart Farrimond, **Spice**, DK Publishing, New York , NY. 2018, 224 pages.
Stuart Farrimond, **Science of Cooking**, DK Publishing, New York , NY. 2017, 256 pages.
Simon Field, **Culinary Reactions**, Chicago Review Press, Chicago, IL. 2012, 239 pages.
Hartel, RW. & Hartel, A. **The Science of the Foods We Eat**, Copernicus Books, New York, NY. 2008, 187 pages
Howard Hillman, **The New Kitchen Science**, Houghton Mifflin, New York, NY. 2003, 317 pages.
Harold McGee, **On Food and Cooking**, Scribner, New York, NY. 884 pages.
Samin Nosrat, **Salt, Fat, Acid, Heat**, Simon & Schuster, New York, NY. 2017, 462 pages.
David Joachim & Andrew Schloss, **The Science of Good Food,** Robert Rose, Toronto, Canada, 2008, 625 pages.
Robert Lister, **Kitchen Chemistry**, Royal Society of Chemistry, London, England, UK, 2005, 125 pages + CDROM.
Harold McGee, **On Food and Cooking**, Scribner, New York, NY. 2004, 884 pages.

Kitchen Chemistry: Mix of Science and Recipes

America's Test Kitchen, **The Science of Good Cooking**, America's Test Kitchen, Brookline, MA. 2012, 486 pages.
Mark Bitterman, **Salted**, Ten Speed Press (Random House), New York, NY. 2010, 312 pages.
Shirley Corriher, **Bakewise,** William Morrow, New York, NY. 2008, 534 pages.
Shirley Corriher, **Cookwise**, William Morrow, New York, NY. 1997, 526 pages.
Simon Q. Field, Culinary Reactions: **The Everyday Chemistry of Cooking**, Chicago Review Press, Chicago, IL. 2012, 237 pages.
Stuart Farrimond, **The Science of Spice**, 224 pages.DK Publishing, New York, NY. 2018, 224 pages.

Gameau, D. **That Sugar,** Flatiron Books, New York, NY, 2015, 239 pages.
Jeff Potter, **Cooking For Geeks**, O'Reilly, Sebastopol, Canada, 2010, 412 pages.
Cesar Vega, et al. (Ed), **The Kitchen As Laboratory**, Columbia University Press, New York, NY, 2012, 313 pages.
Robert Wolke, **What Einstein Told His Cook, Volume 1**, WW Norton, New York, NY. 2002, 350 pages.
Robert Wolke, **What Einstein Told His Cook, Volume 2**, WW Norton, New York, NY. 2005, 465 pages.

Little Kid Stuff

Melvin Berger, **Outdoor Science Adventures**, Scholastic, New York, NY. 1994, 106 pages.
Richard Churchill, **Amazing Science Experiments with Everyday Materials**, Sterling Publishing, New York, NY. 1991, 128 pages.
Andrew Dingle, **The Periodic Table**, Kingfisher, New York, NY. 2007, 128 pages.
Joy Masoff, **Oh, Yuck!** Workman Publishing, New York, NY. 2000, 212 pages.
Janice Van Cleave, **Astronomy for Every Kid**, John Wiley, New York, NY. 1991, 229 pages.
Janice Van Cleave, **Biology for Every Kid**, John Wiley, New York, NY. 1990, 224 pages.
Janice Van Cleave, **Chemistry for Every Kid**, John Wiley, New York, NY. 1989, 232 pages.
Janice Van Cleave, **Earth Science for Every Kid,** John Wiley, New York, NY. 1991, 231 pages.
Janice Van Cleave, **Geography for Every Kid**, John Wiley, New York, NY. 1993, 211 pages.
Janice Van Cleave, **Physics for Every Kid**, John Wiley, New York, NY. 1991, 241 pages.
Janice Van Cleave, **201 Awesome, Magical, Bizarre, & Incredible Experiments**, John Wiley, New York, NY. 1994, 110 pages.
Janice Van Cleave, **200 Gooey, Slippery, Slimy, Weird & Fun Experiments**, John Wiley, New York, NY. 1993, 110 pages.
Janice Van Cleave, **202 Oozing, Bubbling, Dripping, & Bouncing Experiments**, John Wiley, New York, NY. 1996, 120 pages.

Media Physics

Patrick Johnson, **The Physics of Star Wars**, Adams Media, New York, NY. 2017, 254 pages.
John Kakalios, **The Physics of Super Heroes**, Gotham Books, New York, NY. 2006, 365 pages.
Lawrence Kraus, **Beyond Star Trek**, Basic Books, New York, NY. 1997, 208 pages.
Lawrence Kraus, **The Physics of Star Trek**, Harper-Collins, New York, NY. 1995, 188 pages.
Tom Rogers, **Insultingly Stupid Movie Physics**, Source Books, Nashville, TN.2007, 325 pages.
Adam Weiner, **The Physics of Hollywood Movies: Don't Try This At Home**, Kaplan Publishing, New York, NY. 2007, 264 pages.

Media Science

Charles Adler, **Wizards, Aliens, and Starships,** Princeton University Press, Princeton, NJ. 2014, 378 pages.
Mark Blake, **The Science of Star Trek**, Skyhorse Publishing, New York, NY, 2022, 196 pages.
Mark Brake & Jon Clarke, **The Science of Star Wars**, Racehorse Publishing, New York, NY. 2016, 261 pages
Yvonne Carts-Powell, **The Science of Heroes**, Berkeley Boulevard Books, New York, NY. 2008, 277 pages.
Dan Falk, **The Science of Shakespeare**, Thomas Dunne, New York, NY. 2014, 324 pages.
Samuel Gerber**, Chemistry and Crime**, American Chemical Society, Washington, D.C. 1983, 135 pages.
Kevin Grazier, **Fringe Science**, Ben Bella Books, Dallas, TX. 2011, 282 pages.
Kevin Grazier, **The Science of Dune**, Ben Bella Books, Dallas, TX. 2008, 232 pages.
Kevin Grazier, **The Science of Michael Crichton**, Ben Bella Books, Dallas, TX. 2008, 173pages.
Lois Gresh & Robert Weinberg, **The Science of James Bond**, John Wiley, New York, NY. 2006, 212 pages.
Lois Gresh & Robert Weinberg, **The Science of Stephen King**, John Wiley, 2007, 254 pages.
Lois Gresh & Robert Weinberg, **Why Did It Have To Be Snakes? (Science of Indiana Jones**), John Wiley, New York, NY. 2008, 264 pages.
Edwin Sidney Hartland, **Science of Fairy Tales,** Bibliotech Press, Glendale, CA. 2020, 236 pages.
Roger Highfield, **Can Reindeer Fly? The Science of Christmas**, Metro Books, London, England, 2001, 264 pages.
Roger Highfield, **The Science of Harry Potter**, Penguin Books, London, England, 2002, 322 pages.
Andrew Holtz, **The Medical Science of House, M.D.** Berkeley Boulevard Books, New York, NY. 2006, 256 pages.
Matt Kaplan, **Medusa's Gaze and Vampire's Bite: The Science of Monsters**, Scribner, New York, NY, 2012, 255 pages.
David Kirby, **Lab Coats In Hollywood**, MIT Press, Cambridge, MA. 2011, 265 pages.
Paul Parsons**, The Science of Doctor Who**, John Hopkins Press, Baltimore, MD. 2010, 307 pages.
Sidney Perkowitz, **Hollywood Science: Movies, Science & the End of the World,** Columbia University Press, New York, NY, 2007, 255 pages.
Phillip Plait, **Bad Astronomy**, John Wiley, New York, NY, 2002, 277 pages.
Katherine Ramsland, **The C.S.I. Effect**, Berkeley Boulevard Books, New York, NY. 2006, 301 pages.
Katherine Ramsland, **The Forensic Science of C.S.I.** Berkeley Boulevard Books, New York, NY. 2001, 271 pages.
Ethan Siegel, **Star Trek, Trekology**, Voyager Press, 2017, 216 pages.
Anne Simon & Chris Carter, **The Real Science Behind the X-Files**, Simon & Schuster, New York, NY. 1999, 320 pages.
Rip Thorne, **The Science of Interstellar**, WW Norton, New York, NY, 2014, 324 pages.
Brenda Vaghan, **What Would MacGyver Do?** The Penguin Group, London, England, 2008, 194 pages.
EJ Wagner, **The Science of Sherlock Holmes**, John Wiley, New York, NY, 2006, 244 pages.