

Upper Merion Township Library's

STEM TITLES FOR ELEMENTARY SCHOOL

Science

- *What is Science?* by Rebecca Kai Dotlich (E DOTLICH)
- *How Big is It? A Big Book All About Bigness* by Ben Hillman (J153.7 HIL)
- *Pop! The Invention of Bubble Gum* by Meghan McCarthy (J664.6 MCC)
- *Forces* by Andi Diehn (J531.6 DIE)
- *Iqbal and his Ingenious idea : how a Science Project Helps One Family and the Planet* by Elizabeth Suneby (J ILLUSTRATED FICTION SUNEBY)
- *The Science of Survival* by Therese Naber (J613 NAB)
- *The Science of Sports* by Wendy Hinote Lanier (J796 LAN)
- *Superman Science: the Real World Science Behind Superman's Powers* by Agnieszka Biskup (J612 SUP)
- *How to be a Scientist* by Steve Mould (J507.8 MOU)

DIY Activities

- *Citizen Scientists: Be a Part of Scientific Discovery from Your Own Backyard* by Loree Griffin Burns (J590.72 BUR)
- *STEAM kids : 50+ science/technology/engineering/art/math hands-on projects for kids* by Anne Carey (J507.8 STE)
- *Tinkering* by Curt Gabrielson (J649.51 GAB)
- *Ace your Plant Science Project* by Robert Gardener (J507.8 GAR)
- *The 101 Coolest Simple Science Experiments* by Rachel Miller (J507.8 MIL)

Picture Book Biographies

- *Ada Byron Lovelace and the Thinking Machine* by Laurie Wallmark (JB LOVELACE)
- *Electric Ben: The Amazing Life and Times by Benjamin Franklin* by Robert Byrd (JB FRANKLIN)
- *The Girl with a Mind for Math: The Story of Raye Montague* by Julia Finley Mosca (JB MONTAGUE)
- *Nothing Stopped Sophie: the Story of Unshakable Mathematician Sophie Germain* by Cheryl Bardoe (JB GERMAIN)
- *The Girl Who Drew Butterflies: How Maria Merian's Art Changed Science* by Joyce Sidman (JB MERIAN)
- *The Boy Who Loved Math: The Improbable Life of Paul Erdos* by Deborah Heiligman (JB ERDOS)
- *Manfish: A Story of Jacques Cousteau* by Jennifer Berne (JB COUSTEAU)
- *Margaret and the Moon: How Margaret Hamilton Saved the First Lunar Landing* by Dean Robbins (JB ROBBINS)
- *Star Stuff: Carl Sagan and the Mysteries of the Cosmos* by Stephanie Roth Sisson (JB SAGAN)
- *The Tree Lady: The True Story of How One Tree-Loving Woman Changed a City Forever* by H. Joseph Hopkins (JB SESSIONS)
- *The Watcher: Jane Goodall's Life with the Chimps* by Jeanette Winter (JB GOODALL)
- *Whoosh!: Lonnie Johnson's Super-Soaking Stream of Inventions* by Chris Barton (JB JOHNSON)
- *Who Says Women Can't Be Doctors?: The Story of Elizabeth Blackwell* by Tanya Lee Stone (JB BLACKWELL)
- *The World Is Not a Rectangle: A Portrait of Architect Zaha Hadid* by Jeanette Winter (JB HADID)
- *Grace Hopper: Queen of Computer Code* by Laurie Wallmark (JB HOPPER)
- *Lighter Than Air: Sophie Blanchard, the First Woman Pilot* by Matthew Clark Smith (JB BLANCHARD)

Animals

- *Look Up! Bird Watching in your Own Backyard* by Annette Cate (J598 CAT)
- *Diary of a Worm* by Doreen Cronin (E CRONIN)
- *How to Clean a Hippopotamus: A Look at Unusual Animal Partnerships* by Steve Jenkins (J591.785 JEN)
- *Parrots over Puerto Rico* by Susan L. Roth (J597.7 ROT)
- *Lifetime: The Amazing Numbers in Animal Lives* by Loa M. Schaefer (J591.56 SCH)
- *Where in the Wild? Camouflaged Animals Concealed and Revealed: Ear-Tickling Poems* by David M. Schwartz (J590 SCH)
- *Feathers and Hair: What Animals Wear* by Jennifer Ward (E WARD)
- *Name that Mammal!* by Santana Hunt (J599 HUN)

Technology

- *Girls Who Code: Learn to Code and Change the World* by Reshma Saujani (J005.1023 SAU)
- *Hello Ruby: Adventures in Coding* by Linda Liukas (J005.13 LIU)
- *3D Printing: Science, Technology, Engineering* by Steven Offinoski (J621.9 OTF)
- *Dream Jobs in Technology* by Colin Hynson (J602.3 HYN)
- *Dot.* by Randi Zuckerberg (E ZUCKERBERG)
- *Coding Games in Scratch* by Jon Woodcock (J005.133 COD)
- *When Charlie McButton Lost Power* by Suzanne Collins (E COLLINS)
- *Robots* by Cody Crane (J629.8 CRA)

Engineering

- *Rosie Revere, Engineer* by Andrea Beaty (E BEATY)
- *What to Do With a Box* by Jane Yolen (E YOLEN)
- *Doll-E 1.0* by Shanda McCloskey (E MCCLOSKEY)
- *The House that Lou Built* by Mae Respicio (J RESPICIO)
- *Running on Sunshine: How Does Solar Energy Work?* by Carolyn Cinami DeCristofano (J621.47 DEC)
- *Cool Engineering Projects: Fun and Creative Workshop Activities* by Rebecca Felix (J620.1 FEL)
- *Curious Jane: Science + Design + Engineering for Inquisitive Girls* (J745.5083 CUR)

Nature

- *Bubble Homes and Fish Farts* by Fiona Bayrock (J590 BAY)
- *A Miracle Mud: Lena Blackburne and the Secret Mud that Changed Baseball* by David A. Kelly (JB BLACKBURNE)
- *How Many Seeds in a Pumpkin?* by Margaret McNamara (E MCNAMARA)
- *The Mangrove Tree: Planting Trees to Feed Families* by Susan L. Roth (E ROTH)
- *The Boy Who Harnessed the Wind* by William Kamkwamba (JB KAMKWAMBA)
- *Thank You, Earth: A Love Letter to our Planet* by April Pulley Sayre (E SAYRE)
- *Going Wild: Helping Nature Thrive in Cities* by Michelle Mulder (J712 MUL)
- *Wild Buildings and Bridges: Architecture Inspired by Nature* by Etta Kaner (J720.47 KAN)

Outer Space

- *Zoo in the Sky: A Book of Animal Constellations* by Jacqueline Mitton (J523.8 MIT)
- *Astronaut, Aquanaut* by Jennifer Swanson (J627.72 SWA)
- *Curiosity: the Story of a Mars Rover* by Markus Motum (J629.295 MOT)
- *Life on Mars* by Jon Agee (E AGEE)
- *You are the First Kid on Mars* by Patrick O'Brien (J919.9 OBR)
- *Countdown: 2979 Days to the Moon* by Suzanne Slade (J 629.45 SLA)

Math

- *This Plus That: Life's Little Equations* by Amy Krouse Rosenthal (E ROSENTHAL)
- *Math-terpieces: The Art of Problem Solving* by Gene Tang (J793.74 TAN)
- *Math Curse* by Jon Scieszka (E SCIESZKA)
- *Go, Fractions!* by Judith Stamper (ER STAMPER)
- *Payback on Poplar Lane* by Margaret Mincks (J MINCKS)
- *Crash! Boom! A Math Tale* by Robie Harris (E COUNTING HARRIS)
- *Guess It!* by Nadia Higgins (J513 HIG)
- *Sir Cumference and the Fraction Faire: A Math Adventure* by Cindy Neuschwander (J513.2 NEU)
- *Bedtime Math: The Truth Comes Out* by Laura Overdeck (J513.2 OVE)
- *How Big is 43 Quintillion? Making Sense of Really Big Numbers!* by Lynn Huggins-Cooper (J513 HUG)
- *Counting Lions* by Adeline Zubek (ER ZUBEK)
- *65 Short Mysteries You Solve with Math!* by Eric Yoder (J793.74 YOD)
- *Math: A Book You Can Count On* by Dan Green (J510 GRE)