

Math Related Topics

Sorted by Call Number / Author.

- 005.13 VOR Vorderman, Carol. Help your kids with computer coding : a unique step-by-step visual guide, from binary code to building games. 1st American ed. London : DK, 2014.
A guide for parents to help their children create games and animations using the programming languages Scratch and Python.
- 031 SHA Shapiro, Amram R. The book of odds : from lightning strikes to love at first sight, the odds of everyday life. 1st ed. New York, NY : William Morrow, an imprint of HarperCollinsPublishers, [2014].
"Presents over four hundred thousand statements of probability that capture who we are and how we live today, providing statistics on such topics as love, sex, health, education, religion, and drug use"--OCLC.
- 031.02 PLI Plimmer, Martin. Beyond coincidence : stories of amazing coincidences and the mystery and mathematics that lie behind them. 1st U.S. ed. New York : Thomas Dunne Books/St. Martin's Press, 2006.
Presents true stories of coincidence, discusses their mathematical likelihood, and explores theories about whether they have cause and meaning.
- 133.3 Sch Schimmel, Annemarie. The mystery of numbers. New York : Oxford University Press, 1993.
Numbers and number systems -- The heritage of Pythagoreans -- Gnosis and cabala -- Medieval and Baroque number symbolism -- Number games and magic squares -- A little dictionary of numbers. Demonstrates how numbers have been filled with mystery and meaning since earliest times and across every society.
- 332.024 HEA Heath, Julia A. Saving and investing. New York : Facts On File, c2012.
Financial institutions and compound interest -- Risk and return -- The bond market -- The stock market -- Other investment options. Provides students with information on saving and investing, and includes risk versus reward, choosing the right bank, and stocks and bonds as investments, and with color photographs and graphs, glossary, and more.
- 332.6 HEA Healey, Aaron. Making the trade : stocks, bonds, and other investments. Chicago : Heinemann Library, c2011.
An introduction to investments that explains basic investment options, discusses stocks and bonds, and examines diversification, compound interest, market volatility, and other related topics.
- 332.63 PAU Paulos, John Allen. A mathematician plays the stock market. New York : Basic Books, c2003.
Explains what the tools of mathematics can teach people about the vagaries of the stock market.
- 332.64 THO Thompson, Helen, 1957-. Understanding the stock market. Broomall, PA : Mason Crest Publishers, c2011.
An introduction to the stock market that provides information and answers related questions, covering selling shares, dividends, shareholders, recession, risk, and more.
- 338.4 FOO Food, Inc. : how industrial food is making us sicker, fatter, and poorer-- and what you can do about it. 1st ed. New York : PublicAffairs, c2009.
Reforming fast food nation: a conversation with Eric Schlosser -- Exploring the corporate powers behind the way we eat: the making of Food, Inc / by Robert Kenner -- Organics-healthy food, and so much more / by Gary Hirshberg -- Food, science, and the challenge of world hunger-- who will control the future? / by Peter Pringle -- The ethanol scam: burning food to make motor fuel / by Robert Bryce -- The climate crisis at the end of your fork / by Anna Lappé -- Cheap food: workers pay the price / by Arturo Rodriguez, with Alexa Delwiche and Sheheryar Kaoosji -- The financial crisis and world hunger / by Muhammad Yunus -- Why bother? / by Michael Pollan -- Declare your independence / by Joel Salatin -- Eating made simple / by Marion Nestle -- Improving kids' nutrition: an action tool kit for

- parents and citizens / by the Center for Science in the Public Interest -- Produce to the people: a prescription for health/ by Preston Maring. A companion book to the documentary "Food, Inc." that explores the issues raised by the movie, including the industrialization of the food supply, the benefits of organic eating, food myths, the link between the U.S. food system and global warming, the global impact of food industrialization, and other related topics.
- 362.196 FAS Fast food. Detroit : Greenhaven Press, c2010.
Discusses the controversy over the consumption of fast food in America in establishments such as McDonald's and Burger King through a series of essays that debate issues of obesity, animal abuse, and the environment in connection with the fast food industry.
- 362.196 ING Ingram, Scott. Want fries with that? : obesity and the supersizing of America. New York : Franklin Watts, 2005.
Examines the seriousness of obesity in America, and provides data and statistics on the number one cause of heart disease.
- 363.19 GOL Goldstein, Myrna Chandler, 1948-. Food and nutrition controversies today : a reference guide. Westport, CT : Greenwood Press, c2009.
Antioxidants -- Bottled water or tap? -- Fast food -- Fats -- Wild versus farm-raised Fish -- Food labeling -- Genetically engineered dairy products -- Genetically modified foods -- Hidden ingredients in food -- Imported food -- Life-enhancing/life-threatening foods -- Not just cow's milk -- Organic foods -- Popular diets -- Raw food -- Vegetarian and vegan diets. Examines sixteen food and nutrition controversies, including fast food, genetically modified foods, organic foods, and vegetarian diets, and presents evidence for and against, and discussion topics.
- 394.1 SCH Schlosser, Eric. Chew on this : everything you don't want to know about fast food. Boston : Houghton Mifflin, 2006.
A look at fast food, what's in it, how it's made, and what it does to our bodies.
- 394.1 SCH Schlosser, Eric. Fast food nation : the dark side of the all-American meal. Boston, Mass. : Houghton Mifflin, 2001.
Traces the history of the fast food industry and discusses how it arose in postwar America.
- 510 Cas Casti, J. L. Five golden rules : great theories of 20th-century mathematics and why they matter. New York : Wiley & Sons, c1996.
Preface -- The Minimax theorem (Game theory) -- The Brouwer fixed-point theorem (Topology) -- Morse's theorem (Singularity theory) -- The Halting theorem (Theory of computation) -- The Simplex method (Optimization theory). Examines the discoveries of five of the most important mathematical formulas of this century and their implications in our lives.
- 510 DEV Devlin, Keith J. Life by the numbers. New York : Wiley, c1998.
- 510 DEV Devlin, Keith J. The math instinct : why you're a mathematical genius (along with lobsters, birds, cats and dogs). New York : Thunder's Mouth Press, c2005.
Out of the minds of babies -- Elvis: the Welsh corgi who knows calculus -- What is mathematics? -- Where am I and where am I going? -- Nature's architects: the creatures that can do math of construction -- Natural artists: the animals (and plants) that create beautiful patterns -- It's just a step to the right: the math of motion -- The eyes have it: the hidden math of vision -- Animals in the math class -- Razor sharp: the mathematical tricks of street traders and supermarket shoppers -- All numbers great and small -- The trouble with meaningless math -- Tapping into our math instinct. Reveals the innate calculating skills humans have and explains why it is so hard for many people to grasp basic mathematical concepts, despite their innate ability.
- 510 ELW Elwes, Richard, 1978-. Mathematics 1001 : absolutely everything that matters in mathematics in 1001 bite-sized explanations. Buffalo, N.Y. : Firefly Books, 2010.
A general mathematics reference that offers concise explanations of key mathematical concepts and principles, covering geometry, numbers, analysis, logic, algebra, probability

and statistics, applied mathematics, discrete mathematics, games and recreational mathematics, and related topics.

- 510 GOL Goldsmith, Mike, 1962-. Train your brain to be a math genius. 1st American ed. New York, N.Y. : DK Pub., c2012.
A world of math -- Math brain. Meet your brain -- Math skills -- Learning math -- Brain vs. machine -- Problems with numbers -- Women and math -- Seeing the solution -- Inventing numbers. Learning to count -- Number systems -- Big zero -- Pythagoras -- Thinking outside the box -- Number patterns -- Calculation tips -- Archimedes -- Math that measures -- How big? How far? -- The size of the problem -- Magic numbers. Seeing sequences -- Pascal's triangle -- Magic squares -- Missing numbers -- Karl Gauss -- Infinity -- Numbers with meaning -- Number tricks -- Puzzling primes -- Shapes and space. Triangles -- Shaping up -- Shape shifting -- Round and round -- The third dimension -- 3-D shape puzzles -- 3-D fun -- Leonhard Euler -- Amazing mazes -- Optical illusions -- Impossible shapes -- A world of math. Interesting times -- Mapping -- Isaac Newton -- Probability -- Displaying data -- Logic puzzles and paradoxes -- Breaking codes -- Codes and ciphers -- Alan Turing -- Algebra -- Brainteasers -- Secrets of the universe -- The big quiz. Presents math activities and puzzles, stories of math geniuses, math facts and statistics, and more.
- 510 SAR Sardar, Ziauddin. Mathematics. London : Icon Books/Totem Books, 2011.
Presents a history of mathematics from ancient to modern times, highlighting great discoveries in the field, and providing information about a variety of math topics, including number-systems, geometry, calculus, chaos theory, and others.
- 510.9 MAT Mathematics : an illustrated history of numbers. New York : Shelter Harbor Press, c2012.
Text and illustrations look at the history of mathematics.
- 510.9 ROO Rooney, Anne. The history of mathematics. New York : Rosen Pub., 2013.
A history of mathematics, discussing where numbers come from, special numbers and sequences, early geometry, the birth of algebra, and other related topics.
- 512 SIN Singh, Simon. Fermat's enigma : the epic quest to solve the world's greatest mathematical problem. New York : Walker, 1997.
Examines the historic quest to find a proof for seventeenth-century French mathematician Pierre de Fermat's Last Theorem, discussing the life and discoveries of Fermat; eighteenth, nineteenth, and early twentieth century attempts to solve the mathematical riddle; and the work of Princeton professor Andrew Wiles who announced in 1993 that he had found an answer.
- 600 WOO Woodford, Chris. Cool stuff 2.0 and how it works. New York : DK, c2007.
Looks at a variety of technological developments and inventions and explains how they work, featuring photographs, illustrations, and descriptions of smoke detectors, hydroponics, E-books, roller coasters, robots, jet skis, VentureOne, the space station, fusion reactors, the Falkirk wheel, ejector seats, tsunami alerts, and many other things.
- 616.85 HID Hidalgo-Robert, Alberto. Fat no more : a teenager's victory over obesity. Houston, Tex. : Piñata Books, c2012.
Alberto Hidalgo-Robert reflects on his lifelong struggle with obesity, discusses how he overcame his food addiction, and offers tips and recipes for readers facing the same battle.
- 617.1 SHR Shryer, Donna. Peak performance : sports nutrition. New York : Marshall Cavendish Benchmark, c2008.
The nutrition team -- Nutrition officials -- Energy to burn -- Taking control of your carbs -- Weighing in on proteins -- Timing is (almost) everything -- A water-tight argument for fluid -- Those golden vitamins and minerals -- Wining the race with wisdom. An introduction to sports nutrition, providing information on how nutrients help the athlete reach peak performance, reviewing the food pyramid, and explaining how to read labels to make healthy food choices.
- 641.8 CAR Carle, Megan. Teens cook dessert. Berkeley, CA : Ten Speed Press, c2006.
Cookies, bars and stuff -- Cakes, pies, and stuff -- Custurds, puddings and stuff -- Holiday

- stuff -- Other fun stuff -- Fancy stuff. Presents a collection of dessert recipes for teens, including tiramisu, funnel cakes, malted milk ball cookies, custards, cakes, pies, bars, and more.
- 642.5 JAC Jacobson, Michael F. Restaurant confidential : the shocking truth about what you're really eating when you're eating out. New York : Workman, c2002.
Presents lists of the calorie, total fat, saturated fat, cholesterol, and sodium content of restaurant foods and beverages, looking at breakfast, sandwich shops, ethnic dining, seafood, and steak houses, and includes advice on how to eat sensibly when dining out.
- 658 AND Andrews, David. Business without borders : globalization. Chicago : Heinemann Library, c2011.
Examines how globalization has impacted the business world, discussing the benefits and drawback of globalization, the history of trade, and the development of global marketplaces.
- 720 ECO Eco-architecture. Detroit, MI : Greenhaven Press, c2013.
Contains twenty-two essays in which the authors debate issues related to eco-architecture, such as its benefits to humans and impact on the environment and how it can be encouraged and is being implemented.
- 720 OGO O'Gorman, James F. ABC of architecture. Philadelphia : University of Pennsylvania Press, c1998.
A non-technical introduction to architecture for the beginning undergraduate or educated amateur, outlining the basic elements of architectural structure, history, and criticism.
- 736 NGU Nguyen, Duy, 1960-. Origami birds. New York : Sterling, c2006.
Full-color illustrated instructions for creating a number of three-dimensional origami birds.
- 736 ROB Robinson, Nick, 1957-. The awesome origami pack. 1st ed. for the United States and Canada. Hauppauge, N.Y. : Barron's, 2014.
Presents step-by-step instructions for making twenty-five origami items, including animals, boxes, picture frames, and more.
- 740 MAN Mandala magic : amazing mandalas to color. Hauppauge, NY : Barron's Educ. Series, Inc., c2014.
Color your way into the magical world of Mandalas, mystical symbols of the universe. Stunning motifs on every page await an artist's hand-ready to bring balance, calm and inner peace.
- 745.5 BOU Boursin, Didier. Origami paper airplanes. Buffalo, NY : Firefly Books, 2015.
Features twenty-six origami designs for airplanes, with illustrated instructions for making them.
- 745.54 Jac Jackson, Paul. The ultimate papercraft and origami book. New York : Smithmark, 1992.
Over 1000 photographs and diagrams describe how to make paper projects and origami for gifts and decorations.
- 751.7 STU Sturgis, Alexander. Optical illusions in art. New York : Sterling Pub. Co., 1996.
Discover how artists use clever illusions to create images that fool the eye into thinking a flat surface is really three-dimensional.
- 778.3 BAV Bavister, Steve. Digital photography : a no-nonsense, jargon-free guide for beginners. London : Collins & Brown, 2000.
A guide to using digital cameras that provides information on finding the proper equipment, enhancing and manipulating photographs, downloading to the Internet, and other related topics.
- 793.7 GAR Gardner, Martin, 1914-. The colossal book of mathematics : classic puzzles, paradoxes, and problems : number theory, algebra, geometry, probability, topology, game theory, infinity, and other topics of recreational mathematics. 1st ed. New York : W.W. Norton, c2001.
A collection of articles by Martin Gardner which address various aspects of mathematics.
- 793.8 DIA Diaconis, Persi. Magical mathematics : the mathematical ideas that animate great magic

- tricks. Princeton, N.J. : Princeton University Press, c2012.
Provides step-by-step instructions for card tricks and explains the mathematical ideas behind them.
- 794.8 MAR Marji, Majed. Learn to program with Scratch : a visual introduction to programming with games, art, science, and math. San Francisco : No Starch Press, ©2014.
An illustrated guide to programming computers with Scratch, covering procedures, variables, loops, recursion, decision making, and lists; with projects including science simulations, math projects, and arcade games.
- 796.0151 WIN Winston, Wayne L. Mathletics : how gamblers, managers, and sports enthusiasts use mathematics in baseball, basketball, and football. Princeton, NJ : Princeton University Press, c2009.
Explains how mathematics is used to make decisions in sports and sports gambling, focusing on baseball, football, and basketball.
- 796.42 LIB Liberman, Art. The everything running book : from circling the block to completing a marathon, training and techniques to make you a better runner. 2nd ed. Avon, MA : Adams Media, c2008, c2002.
Presents introductory guidance on running for exercise, covering the right shoes, prevention of injuries, safe training procedures, short- and long-term goal setting, avoidance of plateaus, cross-training with weights, and other topics.
- 796.42 RUN Runner's world complete book of running : everything you need to know to run for fun, fitness, and competition. Emmaus, Pa. : Rodale Press ;, c1997.
Provides advice on various aspects of running, discussing how to get started, nutrition, injury prevention, special considerations for women runners, building strength and speed, motivation, cross-training, and marathons.
- 796.98 MCI McIntosh, Martha. The treasures of the Olympic Winter Games. 2014 ed., This rev. and updated ed. London : Carlton Books Ltd., ©2014.
Looks at the history of the Winter Olympics.
- 798.4 SEG Seggerman, Sheri. The Kentucky Derby : 101 reasons to love America's favorite horse race. New York : Stewart, Tabori & Chang, c2010.
Contains 101 anecdotes and photographs that celebrate the history, traditions, horse, and personalities of the Kentucky Derby.
- 921 FLA Flannery, Sarah, 1982-. In code : a mathematical journey. New York : Workman Pub., c2001.
- 921 TUR Henderson, Harry, 1951-. Alan Turing : computing genius and wartime code breaker. New York : Chelsea House Publishers, ©2011.
Details the life of Alan Turing, discussing his childhood, education, contributions to mathematics and science, work on cracking the Enigma code, and other related topics.
- 940.54 Lew Lewin, Ronald. The American magic : codes, ciphers, and the defeat of Japan. New York : Farrar Straus Giroux, c1982.
An account of the United States Intelligence deciphering of Japanese codes even before Pearl Harbor based on newly released or declassified documents.
- DVD 736 SCU Sculpting with paper. Glenview, IL : Crystal Productions, c2004.
Artist, Peggy Flores. Provides an introduction to paper sculpting, demonstrating the techniques of scoring, cutting, folding, and curling, and showing how to create three-dimensional objects from a flat piece of paper.
- P 510.71 STU Stulgis-Blalock, Joyce A. Math projects. Greensboro, NC : Mark Twain Media, c2011.
Math projects for grades 5-8, including fractionalized floor plan, probability & prediction planning a bicycle trip, plan a dog kennel, planning a garden, and other projects.