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**U Can: Basic Math and Pre-Algebra For Dummies** - Mark Zegarelli 2015-08-10

The fun and friendly guide to really understanding math U Can: Basic Math & Pre-Algebra For Dummies is the fun, friendly guide to making sense of math. It walks you through the "how" and "why" to help you master the crucial operations that underpin every math class you'll ever take. With no-nonsense lessons, step-by-step instructions, practical examples, and plenty of practice, you'll learn how to manipulate non-whole numbers, tackle pesky fractions, deal with weights and measures, simplify algebraic expressions, and so much more. The "learn it - do it" style helps you move at your own pace, with lesson-sized explanations, examples, and practice. You also get access to 1,001 more practice problems online, where you can create customized quizzes and study the topics where you need the most help. Math can be hard — and the basics in U Can: Basic Math & Pre-Algebra For Dummies lay the foundation for classes down the line. Consider this resource as your guide to math mastery, with step-by-step help for learning to: Put numbers in their place Make sense of fractions, decimals, and percents Get a grasp of basic geometry Simplify basic algebraic equations Believe it or not, math can be fun! And the better you understand it now, the more likely you are to do well in school, earn a degree, and get a good job. U Can: Basic Math & Pre-Algebra For Dummies gives you the skills, understanding, and confidence you need to conquer math once and for all.

*Discovering the Essential Universe* - Neil F. Comins 2012-01-04

Discovering the Universe, Fifth Edition is one of the briefest texts available for an introductory astronomy course, while providing the wide range of factual topics that are the hallmark of the text and are consistent with most course needs. By flipping through the book, readers will find it as rich in celestial images and figures as other textbooks for the same audience. It is a balanced approach to content, depth, and breath, with effective teaching resources. It is also up-to-date, reflecting how our knowledge about the universe is expanding at a phenomenal rate.

*Anthropology and Contemporary Human Problems* - John H. Bodley 2012 Bodley trenchantly critiques the most pressing global mega-problems, such as unsustainable growth, resource depletion, global warming, and poverty and conflict, and shows how anthropology makes it possible to find solutions.

Basic Math & Pre-Algebra All-in-One For Dummies (+ Chapter Quizzes Online) - Mark Zegarelli 2022-04-19

Absolutely everything you need to get ready for Algebra Scared of square roots? Suspicious of powers of ten? You're not alone. Plenty of school-age students and adult learners don't care for math. But, with the right guide, you can make math basics "click" for you too! In Basic Math & Pre-Algebra All-in-One For Dummies, you'll find everything you need to be successful in your next math class and tackle basic math tasks in the real world. Whether you're trying to get a handle on pre-algebra before moving to the next grade or looking to get more comfortable with everyday math—such as tipping calculations or balancing your checkbook—this book walks you through every step—in plain English, and with clear explanations—to help you build a firm foundation in math. You'll also get: Practice quizzes at the end of each chapter to test your comprehension and understanding A bonus online quiz for each chapter, with answer choices presented in multiple choice format A ton of explanations, examples, and practice problems that prepare you to tackle more advanced algebraic concepts From the different categories of numbers to mathematical operations, fractions, percentages, roots and powers, and a short intro to algebraic expressions and equations, Basic Math & Pre-Algebra All-in-One For Dummies is an essential companion for anyone who wants to get a handle on the foundational math concepts that are the building blocks for Algebra and beyond.

**So Simple a Beginning** - Raghuvveer Parthasarathy 2022-02-08

A biophysicist reveals the hidden unity behind nature's breathtaking

complexity The form and function of a sprinting cheetah are quite unlike those of a rooted tree. A human being is very different from a bacterium or a zebra. The living world is a realm of dazzling variety, yet a shared set of physical principles shapes the forms and behaviors of every creature in it. So Simple a Beginning shows how the emerging new science of biophysics is transforming our understanding of life on Earth and enabling potentially lifesaving but controversial technologies such as gene editing, artificial organ growth, and ecosystem engineering. Raghuvveer Parthasarathy explains how four basic principles—self-assembly, regulatory circuits, predictable randomness, and scaling—shape the machinery of life on scales ranging from microscopic molecules to gigantic elephants. He describes how biophysics is helping to unlock the secrets of a host of natural phenomena, such as how your limbs know to form at the proper places, and why humans need lungs but ants do not. Parthasarathy explores how the cutting-edge biotechnologies of tomorrow could enable us to alter living things in ways both subtle and profound. Featuring dozens of original watercolors and drawings by the author, this sweeping tour of biophysics offers astonishing new perspectives on how the wonders of life can arise from so simple a beginning.

*Higher Physics: Second Edition* - Paul Chambers 2019-07-29

Exam Board: SQA Level: Higher Subject: Physics First Teaching: August 2018 First Exam: June 2019 Ensure that students are prepared for every aspect of their Higher Physics assessment with the only textbook that offers comprehensive coverage of the updated SQA syllabus requirements. - Provides clear and comprehensive coverage of the specification with each section of the book matching a unit of the new syllabus and each chapter corresponding to a content area - Supports the 'researching physics' section in an appendix, covering key skills required by physics students and deals with data analysis, what can reasonably be inferred and what cannot, how we arrive at conclusions and what those conclusions mean - Helps students to prepare for exams: each chapter contains examples of numerical, open ended and discursive type questions and combines strong coverage of essential Physics for Higher with new material and innovative teaching approaches

**Discovering the Universe** - Neil F. Comins 2011-04-25

Discovering the Universe is the bestselling brief text for descriptive one-term astronomy courses (especially those with no mathematics prerequisites). Carried along by the book's vibrant main theme, "the process of scientific discovery," the Ninth Edition furthers the book's legacy for presenting concepts clearly and accurately while providing all the pedagogical tools to make the learning process memorable.

*The Complete Idiot's Guide to Theories of the Universe* - Gary Moring 2002

Looks at religious, philosophical, and scientific theories surrounding the nature and origin of the universe, covering such topics as the Big bang theory, general relativity, quantum theory, evolution, and creationism.

**How Big is Big and How Small is Small** - Timothy Paul Smith 2013-10-24

This book is about how big is the universe and how small are quarks, and what are the sizes of dozens of things between these two extremes. It describes the sizes of atoms and planets, quarks and galaxies, cells and sequoias. It is a romp through forty-five orders of magnitude from the smallest sub-nuclear particles we have measured, to the edge of the observed universe. It also looks at time, from the epic age of the cosmos to the fleeting lifetimes of ethereal particles. It is a narrative that trips its way from stellar magnitudes to the clocks on GPS satellites, from the nearly logarithmic scales of a piano keyboard through a system of numbers invented by Archimedes and on to the measurement of the size of an atom. Why do some things happen at certain scales? Why are cells a hundred thousandths of a meter across? Why are stars never smaller than about 100 million meters in diameter? Why are trees limited to about 120 meters in height? Why are planets spherical, but asteroids

not? Often the size of an object is determined by something simple but quite unexpected. The size of a cell and a star depend in part on the ratio of surface area to volume. The divide between the size of a spherical planet and an irregular asteroid is the balance point between the gravitational forces and the chemical forces in nature. Most importantly, with a very few basic principles, it all makes sense. The world really is a most reasonable place.

21st Century Nanoscience - A Handbook - Klaus D. Sattler 2020-11-13

This up-to-date reference is the most comprehensive summary of the field of nanoscience and its applications. It begins with fundamental properties at the nanoscale and then goes well beyond into the practical aspects of the design, synthesis, and use of nanomaterials in various industries.

*Horizons - Seeds Im/Tb* - Seeds 1997-08

**Numericon** - Marianne Freiberger 2015-03-10

Numericon tells the stories of the numbers, mathematical discoveries, oddities and personalities that have shaped the way we understand the world around us. Each chapter is its own story about a number: why 12 is a sublime number, why 13 is unlucky and 7 lucky, and how imaginary numbers hold up buildings. The book tells the stories of ancient mathematicians, ground-breaking discoveries and mathematical applications that affect our world and our lives in so many ways.

*Applied Contemporary Chemistry* - John A. Markisz 1989

E-math Ii Tm' 2007 Ed.(intermediate Algebra) -

*Hacker's Guide to Visual FoxPro 6.0* - Tamar E. Granor 1998-09

An irreverent look at how Visual FoxPro really works, this book gives users the inside scoop on every command, function, property, event, and method of "Tahoe."

**The Big Ideas of Nanoscale Science and Engineering** - Shawn Y. Stevens 2009-12-01

*McGraw-Hill Education Math Grade 8, Second Edition* - McGraw-Hill Education 2017-11-03

All the Math Your 3rd Grader Needs to Succeed This book will help your elementary school student develop the math skills needed to succeed in the classroom and on standardized tests. The user-friendly, full-color pages are filled to the brim with engaging activities for maximum educational value. The book includes easy-to-follow instructions, helpful examples, and tons of practice problems to help students master each concept, sharpen their problem-solving skills, and build confidence.

Features include:

- A guide that outlines national standards for Grade 3
- Concise lessons combined with lot of practice that promote better scores—in class and on achievement tests
- A pretest to help identify areas where students need more work
- End-of-chapter tests to measure students' progress
- A helpful glossary of key terms used in the book
- More than 1,000 math problems with answers

Topics covered:

- Addition and subtraction
- Multiplication and division
- Place values
- Rounding and estimating
- Fractions
- Measuring length, mass, volume, and time
- Lines, angles, and polygons
- Charts and graphs
- Perimeter and area
- Word problems

*The Essentials of Computer Organization and Architecture* - Linda Null 2006

Computer Architecture/Software Engineering

*McGraw Hill Math Grade 8, Third Edition* - McGraw Hill 2022-08-11

An engaging math workbook to help your 8th grade student master the skills necessary to perform better in class and on standardized tests. Colorful, dynamic, and filled with engaging activities, McGraw Hill Math Grade 8, Third Edition provides maximum educational value, giving your 8th grader a student-friendly learning experience to learn and practice the skills they need to do well in school and on standardized tests. Based on the curriculum standards followed by states across the U.S., McGraw Hill Math Grade 8 covers key topics with easy-to-follow instructions, helpful examples, and more than 1,000 practice problems with answers. End-of-chapter tests allow your child to see where mastery has been gained and what they need to focus on. As they master each concept, you child will sharpen their problem-solving skills and build the confidence they need to succeed in eighth grade math. Features include: NEW Addition of "real-world" questions and multi-step problems A state-by-state guide shows you how to focus your child's lessons The guide shows which states have adopted Common Core State Standards, how each state has implemented the standards for math, and outlines the standards for non-Common Core states 1,000+ math problems with

explanations for answers A 10-Week Summer Study Plan shows you how to create the best study schedule for your child A pretest helps your child determine which skills require more attention End-of-chapter tests helps your child assess if they've mastered the chapter's concepts Posttest at the end of the book shows your child how well they understand key concepts A glossary explains key terms that students will encounter in the book Topics covered: Solving problems with rational numbers Approximating irrational numbers Ratios, proportions, and percents Roots and exponents Performing operations with scientific notation Analyzing and solving linear equations and pairs of linear equations Graphing proportional relationships and functions Customary and metric units of measure, including conversions Geometric transformations Using the Pythagorean Theorem Solving problems involving volume of cones and spheres Analyzing patterns in bivariate data, including probability

Discovering the Universe - William J. Kaufmann 2008-12-26

Discovering the Universe: From the Stars to the Planets engages students with an inquiry-based exploration of the universe and the scientific process. Developed with a "big picture" approach, the text first explains how the stars, the galaxies, and the entire universe formed, and then discusses planets and other components of our solar system. Students follow this natural conceptual progression within a proven learning method designed to address misconceptions and build a deep understanding of science and the world around us.

**Basic Math and Pre-Algebra For Dummies** - Mark Zegarelli 2016-05-18

Basic Math & Pre-Algebra For Dummies, 2nd Edition (9781119293637) was previously published as Basic Math & Pre-Algebra For Dummies, 2nd Edition (9781118791981). While this version features a new Dummies cover and design, the content is the same as the prior release and should not be considered a new or updated product. Tips for simplifying tricky basic math and pre-algebra operations Whether you're a student preparing to take algebra or a parent who wants or needs to brush up on basic math, this fun, friendly guide has the tools you need to get in gear. From positive, negative, and whole numbers to fractions, decimals, and percents, you'll build necessary math skills to tackle more advanced topics, such as imaginary numbers, variables, and algebraic equations. Explanations and practical examples that mirror today's teaching methods Relevant cultural vernacular and references Standard For Dummies materials that match the current standard and design Basic Math & Pre-Algebra For Dummies takes the intimidation out of tricky operations and helps you get ready for algebra!

*Shadowlands* - Robert Foot 2002

In a revolutionary new theory, Dr. Robert Foot of the University of Melbourne argues that meteorites composed of mirror matter could impact with the Earth without leaving any ordinary fragments. Indeed, the theory seems to provide a simple explanation for the puzzling Tunguska event--the blast which destroyed a huge area of Siberian forest in 1908. While scientists have attributed this explosion to an ordinary meteorite, no traces of such an object have ever been found. Moreover, there are frequent smaller such events, occurring on a yearly basis, which are even more puzzling. Foot's new book lays clear the scientific case for mirror matter. It describes the fascinating evidence for its existence including, astronomical observations suggesting that most of our galaxy is made from a new form of matter--dark matter. It explains puzzling Jupiter sized planets only a few million miles from their host star, and the mysterious slowing down of spacecraft in our solar system. Remarkably, it is also possible that Pluto might even be a mirror world, which would explain various anomalous features of its orbit. Perhaps the most important consequence of all this--if true--is the possibility of actually extracting the mirror matter from the Tunguska impact site and other such sites on earth. Invisible asteroids and other cosmic bodies made of a new form of matter may pose a threat to Earth, agrees a noted Australian physicist. But the mirror matter idea has not attracted a huge following among physicists. In a recent UPI article, Howard Georgi of Harvard University says, "Foot's ideas have not attracted a huge following in the community that cares about these things, perhaps because the problems they solve, while interesting, are not the most critical puzzles that we are wrestling with." Nevertheless, mirror matter, if it exists, would be a completely new type of material with a potentially huge commercial value. Its scientific value would be of no less importance. FROM THE BACK COVER Nearly 50 years ago it was discovered that the fundamental particles, such as the electron and proton, have `left-handed' interactions; they do not respect mirror symmetry. This experimental fact motivates the idea that a set of `mirror

particles' exist. The left-handedness of the ordinary particles can then be balanced by the right-handedness of the mirror particles. In this way mirror reflection symmetry can exist but requires something profoundly new. It requires the existence of a completely new form of matter called 'mirror matter'. Remarkably the mirror matter theory is capable of simply explaining a large number of contemporary puzzles in astrophysics and particle physics. The evidence ranges from observations suggesting that most of the matter in the Universe is invisible, to unexpected properties of ghostly particles called 'neutrinos'. This book explains this fascinating theory and its evidence at a level accessible to the non-specialist.

**Engineering Design: An Introduction** - John R. Karsnitz 2012-08-08  
ENGINEERING DESIGN: AN INTRODUCTION, Second Edition, features an innovative instructional approach emphasizing projects and exploration as learning tools. This engaging text provides an overview of the basic engineering principles that shape our modern world, covering key concepts within a flexible, two-part format. Part I describes the process of engineering and technology product design, while Part II helps students develop specific skill sets needed to understand and participate in the process. Opportunities to experiment and learn abound, with projects ranging from technical drawing to designing electrical systems--and more. With a strong emphasis on project-based learning, the text is an ideal resource for programs using the innovative Project Lead the Way curriculum to prepare students for success in engineering careers. The text's broad scope and sound coverage of essential concepts and techniques also make it a perfect addition to any engineering design course. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**Radical Constructivism in Mathematics Education** - E. von Glasersfeld 1991-06-30

Mathematics is the science of acts without things - and through this, of things one can define by acts. 1 Paul Valéry The essays collected in this volume form a mosaic of theory, research, and practice directed at the task of spreading mathematical knowledge. They address questions raised by the recurrent observation that, all too frequently, the present ways and means of teaching mathematics generate in the student a lasting aversion against numbers, rather than an understanding of the useful and sometimes enchanting things one can do with them. Parents, teachers, and researchers in the field of education are well aware of this dismal situation, but their views about what causes the wide-spread failure and what steps should be taken to correct it have so far not come anywhere near a practicable consensus. The authors of the chapters in this book have all had extensive experience in teaching as well as in educational research. They approach the problems they have isolated from their own individual perspectives. Yet, they share both an overall goal and a specific fundamental conviction that characterized the efforts about which they write here. The common goal is to find a better way to teach mathematics. The common conviction is that knowledge cannot simply be transferred ready-made from parent to child or from teacher to student but has to be actively built up by each learner in his or her own mind.

...And It Was So - Dr. Scott Ransom 2022-10-18

In "...And it was So" Dr. Scott Ransom argues that perceived gaps between science and the Biblical account of creation are symptoms of misinterpretation. A proper understanding of the Hebrew language, the audience for which Genesis was written, the process of Biblical translation, and the nature of science coalesce into a coherent picture of creation in which science and the Bible align. Ransom takes the reader into the story of creation and the science behind it, distilling complex scientific concepts into easily digestible nuggets, and along the way introducing us to many of the lesser-known heroes of scientific discovery. In the end the reader will have a new appreciation for both science and the Bible as well as the harmony that exists between both.

**Dinosaurs, Diamonds, and Things from Outer Space** - David Brez Carlisle 1995

Presents a new explanation of the Cretaceous-Tertiary Boundary event.

Size Matters - Johann S. Ach 2008

Nanotechnologies and nanobiotechnologies will come to be the key technologies of the 21st century. The possibility to study, understand and control features of materials at the nanoscale promises developments in different areas ranging from material sciences to electronics and communication technologies or life sciences and medicine. If one wants to make good use of nanotechnological research and development one has to create an environment that meets the various ethical, legal and

social challenges as well.

Radiologic Science for Technologists - E-Book - Stewart C. Bushong 2016-11-10

Develop the skills you need to safely and effectively produce high-quality medical images with Radiologic Science for Technologists: Physics, Biology, and Protection, 11th Edition. Reorganized and updated with the latest advances in the field, this new edition aligns with the ASRT curriculum to strengthen your understanding of key concepts, and prepare you for success on the ARRT certification exam and in clinical practice. Firmly established as a core resource for medical imaging technology courses, this text gives you a strong foundation in the study and practice of radiologic physics, imaging and exposure, radiobiology, radiation protection, and more. Expanded coverage of radiologic science topics, including radiologic physics, imaging, radiobiology, radiation protection, and more, allows this text to be used over several semesters. Chapter introductions, summaries, outlines, objectives, and key terms help you to organize and pinpoint the most important information. Formulas, conversion tables, and abbreviations are highlighted for easy access to frequently used information. "Penguin" boxes recap the most vital chapter information. End-of-chapter questions include definition exercises, matching, short answer, and calculations to help you review material. Key terms and expanded glossary enable you to easily reference and study content. Highlighted math formulas call attention to key mathematical information for special focus. NEW! Chapters on Radiography/Fluoroscopy Patient Radiation Dose and Computed Tomography Patient Radiation Dose equip you to use the most current patient dosing technology. NEW! Streamlined physics and math sections ensure you're prepared to take the ARRT exam and succeed in the clinical setting.

Quantum Physics - Marc Humphrey PhD 2015-01-06

Quantum physics explores the behavior of matter and energy at the molecular, atomic, nuclear, and even smaller levels. Idiot's Guides: Quantum Physics makes this very complex topic easy to understand. It skips the complicated math and dives right into all the concepts, paradoxes, thought experiments, and implications that make quantum mechanics so fascinating to armchair science buffs. Topics covered include: - Quantum vs. classical physics - A look at the smallest known particles - How the tiniest particles behave both as particles and waves - The famous double-slit experiment - Quantum wave function - The Heisenberg Uncertainty Principle - How particles can be in multiple places at once - Quantum entanglement - The Schrodinger's cat thought experiment - Competing interpretations of quantum physics - The Copenhagen interpretation and need for an observer - The role of consciousness in quantum theory - The Many Worlds interpretation and parallel universes - Building a quantum computer - Quantum gravity and the search for a theory of everything

The Rotarian - 1975-01

Established in 1911, The Rotarian is the official magazine of Rotary International and is circulated worldwide. Each issue contains feature articles, columns, and departments about, or of interest to, Rotarians. Seventeen Nobel Prize winners and 19 Pulitzer Prize winners - from Mahatma Gandhi to Kurt Vonnegut Jr. - have written for the magazine.

**Years 9 - 10 Maths For Students** - Consumer Dummies 2015-12-10

Your tutor in a book! Master the essential mathematical skills for success! 'I don't know how to do this' is a refrain heard whilst many a student is doing homework. Parents are increasingly called on for assistance, but are themselves struggling to help their children. Years 9-10 Maths For Students is a reference guide for both students and parents, aiming to fill the gaps in a student's knowledge base, build confidence and reduce stress. Written with the same friendly, how-to approach of the successful For Dummies books, this new educational reference will empower students and develop their mathematical skills for exams, NAPLAN testing and, most importantly, life beyond secondary school. With worries that students are being taught to pass tests at the expense of understanding - this guide will help students cement their mathematical foundations. Grasp the nuts and bolts of numbers, algebra, geometry and measurement. Master simple to complex maths questions, including worded problems Complete homework and prepare for tests with confidence Save money on expensive tutors. Years 9-10 Maths For Students empowers students to improve their educational outcomes.

**Law and Policy for the Quantum Age** - Chris Jay Hoofnagle 2022-01-06

It is often said that quantum technologies are poised to change the world as we know it, but cutting through the hype, what will quantum technologies actually mean for countries and their citizens? In Law and

Policy for the Quantum Age, Chris Jay Hoofnagle and Simson L. Garfinkel explain the genesis of quantum information science (QIS) and the resulting quantum technologies that are most exciting: quantum sensing, computing, and communication. This groundbreaking, timely text explains how quantum technologies work, how countries will likely employ QIS for future national defense and what the legal landscapes will be for these nations, and how companies might (or might not) profit from the technology. Hoofnagle and Garfinkel argue that the consequences of QIS are so profound that we must begin planning for them today. This title is available as Open Access on Cambridge Core.

The Complete Idiot's Guide to Pre-algebra - Amy F. Szczepanski 2008

Present information on the fundamentals of pre-algebra in a concise, easy-to-follow manner and includes practice exercises throughout the book.

Extreme Fundamentals of Technology - Bob Dukish 2009-09-25  
An introductory guide to basic science and engineering concepts.

Popular Science - 1974-12  
Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

Biological Science - Jon (Emeritus Professor of Bioscience Education Scott, Emeritus Professor of Bioscience Education University of Leicester) 2022-06-24  
Biological Science: Exploring the Science of Life responds to the key needs of lecturers and their students by placing a clear central narrative, carefully-structured active learning, and confidence with quantitative concepts and scientific enquiry central to its approach. Written by a team of dedicated and passionate academics, and shaped by feedback from over 55 institutions, its straightforward narrative, reinforced by key concept overview videos for every chapter, communicate key ideas clearly: the right information is provided at the right time, and at the right depth. Its pause and think features, self-check quizzes, and graded end of chapter questions, augmented by flashcards of key terms, directly support active learning. The combination of narrative text and learning features promote a rich, active learning experience: read, watch, and do. Its combination of Quantitative Toolkits, Scientific Process panels, and the Life and its Exploration chapters provide more insight and support than any other general biology text; they prepare students to engage with this quantitative and experimental discipline with confidence, and set them on a path for success throughout their future studies. With coverage that spans the full scale of biological science - from molecule to ecosystem - and with an approach that fully supports flexible, self-paced learning, Biological Science: Exploring the Science of Life will set you on a path towards a deeper understanding of the key concepts in biology, and a greater appreciation of biology as a dynamic experimental science. Digital formats and resources Biological Science: Exploring the Science of Life is available for students and institutions to purchase in a variety of formats. The enhanced ebook is enriched with features that offer extra learning support: [www.oxfordtextbooks.co.uk/ebooks](http://www.oxfordtextbooks.co.uk/ebooks) - Key concepts videos support students from the start of every chapter and as they make their way through every Module. - Self-check questions at the end of each chapter section give students quick and formative feedback, building their confidence and comprehension as they study and revise. - Quantitative skills video screencasts help students to master the foundational skills required by this discipline. - Interactive figures give students the control they need to step through, and gain mastery over, key concepts. - Per-chapter flashcard glossaries help students to recall the key terms and concepts on which further study can be built.

Algebra I For Dummies - Mary Jane Sterling 2016-05-26

Algebra I For Dummies, 2nd Edition (9781119293576) was previously

published as Algebra I For Dummies, 2nd Edition (9780470559642). While this version features a new Dummies cover and design, the content is the same as the prior release and should not be considered a new or updated product. Factor fearlessly, conquer the quadratic formula, and solve linear equations There's no doubt that algebra can be easy to some while extremely challenging to others. If you're vexed by variables, Algebra I For Dummies, 2nd Edition provides the plain-English, easy-to-follow guidance you need to get the right solution every time! Now with 25% new and revised content, this easy-to-understand reference not only explains algebra in terms you can understand, but it also gives you the necessary tools to solve complex problems with confidence. You'll understand how to factor fearlessly, conquer the quadratic formula, and solve linear equations. Includes revised and updated examples and practice problems Provides explanations and practical examples that mirror today's teaching methods Other titles by Sterling: Algebra II For Dummies and Algebra Workbook For Dummies Whether you're currently enrolled in a high school or college algebra course or are just looking to brush-up your skills, Algebra I For Dummies, 2nd Edition gives you friendly and comprehensible guidance on this often difficult-to-grasp subject.

Physics for Technology, Second Edition - Daniel H. Nichols 2018-12-07

This text provides an introduction to the important physics underpinning current technologies, highlighting key concepts in areas that include linear and rotational motion, energy, work, power, heat, temperature, fluids, waves, and magnetism. This revision reflects the latest technology advances, from smart phones to the Internet of Things, and all kinds of sensors. The author also provides more modern worked examples with useful appendices and laboratories for hands-on practice. There are also two brand new chapters covering sensors as well as electric fields and electromagnetic radiation as applied to current technologies.

The Sourcebook for Teaching Science, Grades 6-12 - Norman Herr 2008-08-11

The Sourcebook for Teaching Science is a unique, comprehensive resource designed to give middle and high school science teachers a wealth of information that will enhance any science curriculum. Filled with innovative tools, dynamic activities, and practical lesson plans that are grounded in theory, research, and national standards, the book offers both new and experienced science teachers powerful strategies and original ideas that will enhance the teaching of physics, chemistry, biology, and the earth and space sciences.

Humble Pi - Matt Parker 2021-01-19

#1 INTERNATIONAL BESTSELLER AN ADAM SAVAGE BOOK CLUB PICK The book-length answer to anyone who ever put their hand up in math class and asked, "When am I ever going to use this in the real world?" "Fun, informative, and relentlessly entertaining, Humble Pi is a charming and very readable guide to some of humanity's all-time greatest miscalculations—that also gives you permission to feel a little better about some of your own mistakes." —Ryan North, author of How to Invent Everything Our whole world is built on math, from the code running a website to the equations enabling the design of skyscrapers and bridges. Most of the time this math works quietly behind the scenes . . . until it doesn't. All sorts of seemingly innocuous mathematical mistakes can have significant consequences. Math is easy to ignore until a misplaced decimal point upends the stock market, a unit conversion error causes a plane to crash, or someone divides by zero and stalls a battleship in the middle of the ocean. Exploring and explaining a litany of glitches, near misses, and mathematical mishaps involving the internet, big data, elections, street signs, lotteries, the Roman Empire, and an Olympic team, Matt Parker uncovers the bizarre ways math trips us up, and what this reveals about its essential place in our world. Getting it wrong has never been more fun.