

Junk Drawer Chemistry 50 Awesome Experiments That Dont Cost A Thing

Do you feel overwhelmed by all the stuff in your home? Is your home office a messy file drawer of papers? Do you want to get organized, but you do not know where to start? This book will help you look at your stuff differently and put you on the right track to get organized and stay organized, so you can better enjoy life. We will consider the real value of our possessions. Is "real value" a dollar amount? Or the usefulness of the item? Or how it makes you feel? There are many ways to consider an item's value, none of them right or wrong. Everything is relative in terms of what is really important to you, whether it be your time, your space, or your stuff.

Replicate a chemical reaction similar to one Marie Curie used to purify radioactive elements! Distill perfume using a method created in ancient Mesopotamia by a woman named Tapputi! Aspiring chemists will discover these and more amazing rola models and memorable experiments in Chemistry for Kids. This engaging guide offers a series of snapshots of 25 scientists famous for their work with chemistry, from ancient history through today. Each lab tells the story of a scientist along with some background about the importance of their work, and a description of where it is still being used or reflected in today's world. A step-by-step illustrated experiment paired with each story offers kids a hands-on opportunity for exploring concepts the scientists pursued, or are working on today. Experiments range from very simple projects using materials you probably already have on hand, to more complicated ones that may require a few inexpensive items you can purchase online. Just a few of the experiments you'll explore: Galin b. 129 AD Make soap from soap base, oil and citrus peels. Modern application: medical disinfectants Joseph Priestly b. 1733 Carbonate a beverage using CO2 from yeast or baking soda and vinegar mixture. Modern application: soda fountains Alessandra Volta b. 1745 Make a battery using a series of lemons and use it to light a LED. Modern application: car battery Tu Youyou b. 1930 Extract compounds from plants. Modern application: pharmaceuticals and cosmetics People have been tinkering with chemistry for thousands of years. Whether out of curiosity or by necessity, Homo sapiens have long loved to play with fire, mixing and boiling concoctions to see what interesting, beautiful, and useful amalgamations they could create. Early humans ground pigments to create durable paint for cave walls, and over the next 70 thousand years or so as civilizations took hold around the globe, people learned to make better medicines and discovered how to extract, mix, and smelt metals for cooking vessels, weapons, and jewelry. Early chemists distilled perfume, made soap, and perfected natural inks and dyes. Modern chemistry was born around 250 years ago, when measurement, mathematics, and the scientific method were officially applied to experimentation. In 1896, after the first draft of the periodic table was published, scientists rushed to fill in the blanks. The elemental discoveries that followed gave scientists the tools to visualize the building blocks of matter for the first time in history, and they proceeded to deconstruct the atom. Since then, discovery has accelerated at an unprecedented rate. At times, modern chemistry and its creations have caused heartbreaking, unthinkable harm, but more often than not, it makes our lives better. With this fascinating, hands-on exploration of the history of chemistry, inspire the next generation of great scientists.

Geometry is a hands-on subject. What's better way to explore the concepts of area, perimeter, and volume than actually measuring area, perimeter, and volume? With this helpful resource, you will build polygons out of pipe cleaners and flexible drinking straws, explore Mobius strips made from index cards, model the Pythagorean theorem using cheese crackers, and much more. Junk Drawer Geometry proves that you don't need high-tech equipment to comprehend math concepts—just what you can find around the house or in your recycling bin. Each of this book's 50 creative geometry projects includes a materials list and detailed, step-by-step instructions with illustrations. The projects also include ideas on how to modify the lessons for different age and skill levels, allowing anyone teaching children to use this to excite students. Educators and parents will find this title a handy guide to teach problem-solving skills and applied geometry, all while having a lot of fun.

The definitive history of America's greatest incubator of innovation and the birthplace of some of the 20th century's most influential technologies "Filled with colorful characters and inspiring lessons. . . . The Idea Factory explores one of the most critical issues of our time: What causes innovation?" —Walter Isaacson, The New York Times Book Review "Compelling. . . . Gertner's book offers fascinating evidence for those seeking to understand how a society should best invest its research resources." —The Wall Street Journal From its beginnings in the 1920s until its demise in the 1980s, Bell Labs-officially, the research and development wing of AT&T-was the biggest, and arguably the best, laboratory for new ideas in the world. From the transistor to the laser, from digital communications to cellular telephony, it's hard to find an aspect of modern life that hasn't been touched by Bell Labs. In The Idea Factory, Jon Gertner traces the origins of some of the twentieth century's most important

inventions and delivers a riveting and heretofore untold chapter of American history. At its heart this is a story about the life and work of a small group of brilliant and eccentric men-Mervin Kelly, Bill Shockley, Claude Shannon, John Pierce, and Bill Baker-who spent their careers at Bell Labs. Today, when the drive to invent has become a mantra, Bell Labs offers us a way to enrich our understanding of the challenges and solutions to technological innovation. Here, after all, was where the

foundational ideas on the management of innovation were born.

50 Writers Relive Their Most Memorable Concertgoing Experience

A Biography of Post-Traumatic Stress Disorder

A Century of Innovation

A Sourcebook for Teachers of Physics

A User-Friendly Guide

Junk Drawer Ecology

50 Awesome Experiments That Don't Cost a Thing

A children's instructional book on how to use readily available materials to turn the house into a science lab Science teacher Bobby Mercer provides readers with more than 50 great hands-on experiments that can be performed for just pennies, or less. Each project has a materials list, detailed step-by-step instructions with illustrations, and a brief explanation of the scientific principle being demonstrated. From turning three pennies and two galvanized washers into a simple battery to crushing a soda can using atmospheric pressure, the experiments in this book call for materials that are recycled or repurposed—crayons, plastic drink bottles, balloons, ice cubes, and other basic items found around the house. Junk Drawer Chemistry also includes sidebars of fascinating chemistry facts. Educators and parents will find this title a handy resource to teach children about chemistry topics that include atoms, compounds, solutions, mixtures, reactions, thermodynamics, acids and bases, and more, while having fun at the same time.

Biology is the study of life, and all the wonderful, squishy, messy parts that living things are made of. And children love messy science, especially hands-on experimentation! Junk Drawer Biology will demonstrate that you don't need high-tech equipment to make learning fun—just what you can find in your recycling bin and around the house. Aspiring doctors can build a model of human lungs with balloons and a soda bottle, and a homemade stethoscope with tubing and plastic lid. Budding gardeners will germinate beans and explore how leaves "breathe" and "sweat." And all ages will enjoy a double helix made of candy. Science educator Bobby Mercer provides readers with hands-on experiments to explain the building blocks of living matter for children of all ages. The projects can be modified to meet the skill levels of the children doing them, from elementary school kids to teenagers. Around each challenge includes suggested materials and one step-by-step, illustrated solution, children are encouraged to think further come up with more questions to answer. Educators and parents will find this title a handy resource to teach children while having a lot of fun.

Creatively abounds in this one-of-a-kind activity book from Pixar Animation Studios. Inspired by behind-the-scenes work of Pixar's animators, it encourages fans and artists to explore their own imaginatons through Pixar's favorite characters and iconic scenes. Prompts from films such as Toy Story, Cars, Brave, Inside Out, and more invite discoveries about color, shape, character design, and scene setting—and how all of these interact to tell a visual story. This is a dynamic and inventive activity book like no other!

One day Sophie comes home from school to find two questions in her mail: "Who are you?" and "Where does the world come from?" Before she knows it she is enrolled in a correspondence course with a mysterious philosopher. Thus begins Jostein Gaarder's unique novel, which is not only a mystery, but also a complete and entertaining history of philosophy.

101 Antiques and Collectibles Trivia Tips that Can Make You Rich, Famous, and the Hit of the Party

Pumpkin Moonshine

27 Experiments for Young Scientists

Lady Derring Takes a Lover

The Chosen

50 Awesome Activities That Don't Cost a Thing

Hands-On Physics Activities with Real-Life Applications

Electrical Engineering 101 covers the basic theory and practice of electronics, starting by answering the question "What is electricity?!" It goes on to explain the fundamental principles and components, relating them constantly to real-world examples. Sections on tools and troubleshooting give engineers deeper understanding and the know-how to create and maintain their own electronic design projects. Unlike other textbooks that simply describe electronics and provide step-by-step build instructions, EE101 delves into how and why electricity and electronics work, giving the reader the tools to take their electronics education to the next level. It is written in a down-to-earth style and explains jargon, technical terms and schematics as they arise. The author builds a genuine understanding of the fundamentals and shows how they can be applied to a range of engineering problems. This third edition includes more real-world examples and a glossary of formulae. It contains new coverage of: Microcontrollers FPGAs Classes of components Memory (RAM, ROM, etc.) Surface mount High speed design Board layout Advanced digital electronics (e.g. processors) Transistor circuits and circuit design Op-amp and logic circuits Use of test equipment Gives readers a simple explanation of complex concepts, in terms they can understand and relate to everyday life. Updated content throughout and new material on the latest technological advances. Provides readers with an invaluable set of tools and references that they can use in their everyday work.

From New York Times bestseller, Kendall Ryan, comes a sexy new standalone novel. My tempting and very alpha friend Sterling King is someone I consider off-limits. It's not just that we're friends, he's also cocky, confident, and British, which means he's a walking aphrodisiac. But lately he's been giving me the look. You know the one. You know the one. When he's not paying attention, and his gaze lingers for too long. When we start working together, that's when the sexual tension between us gets so thick, I want to hack through it with a machete. I want to make all of these deep feelings I've harbored for him disappear, because there's no way this can end well. The lines between business and pleasure become irrevocably blurred, and I'm stuck between a rock and Sterling's very, very hard place. Rather than keep a level head about our growing attraction, Sterling wants to go all in, showing me just how explosive we can be together. But I've been around long enough to know that this British bad boy is more than my heart can handle. I'm not about to be cast aside like yesterday's underwear when he's done having fun. Sterling's never been told no, and he's not about to put his ego aside and play by my rules. But I never thought he'd fight so dirty.

Kids of all ages can use recycled and repurposed household items to complete exciting and green ecology experiments Junk Drawer Ecology is a hands-on guide to saving the planet. Fun, free science activities help kids of all ages learn about the science of our planet's ecology. The environment is changing every day, and we can help slow that change. Using free or low-cost things children already have around their homes, these activities are perfect to stimulate young brains. Readers will learn about the importance of the polar regions without leaving their communities, about new ways to cut our dependence on fossil fuels, about all forms of pollution, and how they can make a difference. Junk Drawer Ecology will give inquisitive kids many hours of fun and help them learn at the same time.

Julia Cameron, author of *The Artist's Way*, offers a revolutionary diet plan: Use writing to take off the pounds! Over the course of the past twenty-five years, Julia Cameron has taught thousands of artists and aspiring artists how to unlock wellsprings of creativity. And time and again she has noticed an interesting thing: Often when her students uncover their creative selves they also undergo a surprising physical transformation—invariably by their work, they slim down. In *The Writing Diet*, Cameron illuminates the relationship between creativity and eating to reveal a crucial element: Creativity can block overeating. This inspiring weight-loss program directs readers to count words instead of calories, to substitute their writing's "food for thought" for actual food. The Writing Diet presents a brilliant plan for using one of the soul's deepest and most abiding appetites—the desire to be creative—to lose weight and keep it off forever.

45 Activities to Create Your Own Characters, Worlds, and Stories

Physics Demonstrations

The Book of Terrifyingly Awesome Technology

The Idea Factory

Build and Launch 35 Rockets, Gliders, Helicopters, Boomerangs, and More

My Life Is a Junk Drawer

Statistics and Probability for Engineering Applications

The Big Ideas in Physics and How to Teach Them provides all of the knowledge and skills you need to teach physics effectively at secondary level. Each chapter provides the historical narrative behind a Big Idea, explaining its significance, the key figures behind it, and its place in scientific history. Accompanied by detailed ready-to-use lesson plans and classroom activities, the book expertly fuses the 'what to teach' and the 'how to teach it', creating an invaluable resource which contains not only a thorough explanation of physics, but also the applied pedagogy to ensure its effective translation to students in the classroom. Including a wide range of teaching strategies, archetypal assessment questions and model answers, the book tackles misconceptions and offers succinct and simple explanations of complex topics. Each of the five big ideas in physics are covered in detail: electricity forces energy particles the universe. Aimed at new and trainee physics teachers, particularly non-specialists, this book provides the knowledge and skills you need to teach physics successfully at secondary level, and will inject new life into your physics teaching.

Genre studies and genre approaches to literacy instruction continue to develop in many regions and from a widening variety of approaches. Genre has provided a key to understanding the varying literacy cultures of regions, disciplines, professions, and educational settings. *GENRE IN A CHANGING WORLD* provides a wide-ranging sampler of the remarkable variety of current work. The twenty-four chapters in this volume, reflecting the work of scholars in Europe, Australasia, and North and South America, were selected from the over 400 presentations at SIGET IV (the Fourth International Symposium on Genre Studies) held on the campus of UNISUL in Tubarao, Santa Catarina, Brazil in August 2007—the largest gathering on genre to that date. The chapters also represent a wide variety of approaches, including rhetoric, Systemic Functional Linguistics, media and critical cultural studies, sociology, phenomenology, enunciation theory, the Geneva school of educational genres, cognitive psychology, relevance theory, sociocultural psychology, activity theory, Gestalt psychology, and schema theory. Sections are devoted to theoretical issues, studies of genres in the professions, studies of genre and media, teaching and learning genre, and writing across the curriculum. The broad selection of material in this volume displays the full range of contemporary genre studies and sets the ground for a next generation of work.

In The Show I'll Never Forget, writer Sean Manning has gathered an amazing array of unforgettable concert memories from a veritable A-list of acclaimed novelists, poets, biographers, and songwriters. Their candid, first-person recollections reveal as much about the writers' lives at the time as they do about the venues where the shows occurred or the artists onstage. Ishmael Reed on Miles Davis Luc Sante on Public Image Ltd. Heidi Julavits on Rush Daniel Handler and Andrew Sean Greer on Metric Diana Ossana on Led Zeppelin Maggie Estep on Einstürzende Neubauten Dani Shapiro on Bruce Springsteen Gary Giddins on Titans of the Tenor! Nick Flynn on Mink DeVille Susan Straight on The Funk Festival Rick Moody on The Lounge Lizards Jennifer Egan on Patti Smith Harvey Pekar on Joe Maneri Thurston Moore on Glen Branca, Rudolph Grey, and Wharton Tiers Chuck Klosterman on Prince Sigrid Nunez on Woodstock Jerry Stahl on David Bowie Charles R. Cross on Nirvana Marc Nesbitt on The Beastie Boys And many more . . . No matter where your musical taste falls, these often funny, occasionally sad, always thought-provoking essays-all written especially for The Show I'll Never Forget-are sure to connect with anyone who loves, or has ever loved, live music.

Junk Drawer Chemistry50 Awesome Experiments That Don't Cost a ThingChicago Review Press

Write Yourself Right-Size

A Novel About the History of Philosophy

Bell Labs and the Great Age of American Innovation

Including Recipes for MDA, Ecstasy, and Other Psychedelic Amphetamines

Build and Launch Kongming Lanterns, Solar Tetrosns, and More

Junk Drawer Engineering

Bud, Not Buddy

Clutter has a negative effect on your life. You want to live differently, but you haven't been able to make progress. Marcie Lovett, author of *The Clutter Book*, will motivate you to make the changes you want. Learn to let go of what you don't need and find room for what you value. The direct, accessible writing style and interactive exercises will inspire you to succeed. In this book, Marcie guides you through the process of letting go of the clutter that is keeping you from achieving success. Whether your clutter is caused by things, commitments or thoughts, go of clutter have not been successful for you, you will benefit from the motivation and wisdom Marcie offers. Written in a straightforward and accessible style, filled with insight and real-life stories, the book enables readers to learn from the experience of others and overcome obstacles to success. You will understand why you keep clutter, save time and money by avoiding unnecessary purchases, discover the habits that hold you back, find ways to fight procrastination and create systems that allow you to retrieve and return items. Whether you want to declutter your home, your car, your closet, or your mind, this book will help you get it done. A mysterious wreck of a building, Dallah Swanpools, Countess of Derring, learns the hard way that her husband, "Dear Dull Derring," is a lot more interesting—and perfidious—dead than alive. It's a devil of an inheritance, but in the grand ruins of the one building Derring left her, are the seeds of her liberation. And she vows never again to place herself at the mercy of a man. But battle-hardened Captain Tristan Hardy is nothing if not mercless. When the charismatic naval hero tracks a notorious smuggler to a London boarding he his man seems like a small success. For both believe love is a myth. But a desire beyond reason threatens to destroy the armor around their hearts. Now a shattering decision looms: Will Tristan betray his own code of honor... or choose a love that might be the truest thing he's ever known?

‘An essential book’ on PTSD, an all-too-common condition in both military veterans and civilians (The New York Times Book Review). Post-traumatic stress disorder afflicts as many as 30 percent of those who have experienced twenty-first-century combat—but it is not confined to soldiers. Countless ordinary Americans also suffer from PTSD, following incidences of abuse, crime, natural disasters, accidents, or other trauma—yet in many cases their symptoms are still shrouded in mystery, secrecy, and shame. This ‘compulsively readable’ study takes an in-depth firsthand experience of this disorder, and drawing on interviews with individuals living with PTSD, it forays into the scientific, literary, and cultural history of the illness. Using a rich blend of reporting and memoir, *The Evil Hours* is a moving work that will speak not only to those with the condition and to their loved ones, but also to all of us struggling to make sense of an anxious and uncertain time.

Critical Theory Today is the essential introduction to contemporary critical theory. It provides clear, simple explanations and concrete examples of complex concepts, making a wide variety of commonly used critical theories accessible to novices without sacrificing any theoretical rigor or thoroughness. This new edition provides in-depth coverage of the most common approaches to literary analysis today: feminism, psychoanalysis, Marxism, reader-response theory, new criticism, structuralism and semiotics, deconstruction, new historicism, cultural criticism, le

Real Value New Ways to Think About Your Time, Your Space & Your Stuff

Designing with Pixar

From Simple Machines to Nuclear Energy

The Writing Diet

The Hot Air Balloon Book

When You Can't Let Go

Physics Experiments for Children

More than a century before the Wright brothers' first flight, humans were taking to the skies in hot air balloons. Today, with basic craft skills, you can build and safely launch your own balloons using inexpensive, readily available materials. Author and inventor Clive Catterall provides illustrated, step-by-step instructions for eight different homemade models, as well as the science and history behind them. Some, like the Solar Tetroon or the Trash Bag Sausage, are made from plastic bags and tape. Others, like the Khom Loi or the Kongming Lantern, are built using tissue paper and wire. The Hot Air Balloon Book also shows readers ways to heat the interior air that lifts these balloons, from tea candles to hair dryers, kitchen toasters to the sun's warming rays. Always keeping safety in mind, the author includes detailed guidelines on when and where open flames are appropriate and the proper weather conditions to launch these lighter-than-air craft. Join a little girl's autumn adventure in this cherished tale from Caldecott Honoree Tasha Tudor that's now available in a Classic Board Book edition. It's almost Halloween, and little Sylvie Ann has found the biggest, fattest pumpkin in the patch! But before she can carve it into pumpkin moonshine (also known as a Jack-o'-lantern), she must get the pumpkin home. This Classic Board Book from beloved author-illustrator and Caldecott Honoree Tasha Tudor celebrates fall in all its glory!

Over 100 projects demonstrate composition of objects, how substances are affected by various forms of energy — heat, light, sound, electricity, etc. Over 100 illustrations. Statistics are Probability for Engineering Applications provides a complete discussion of all the major topics typically covered in a college engineering statistics course. This textbook minimizes the derivations and mathematical theory, focusing instead on the information and techniques most needed and used in engineering applications. It is filled with practical techniques directly applicable on the job. Written by an experienced industry engineer and statistics professor, this book makes learning statistical methods easier for today's student. This book can be read sequentially like a normal textbook, but it is designed to be used as a handbook, pointing the reader to the topics and sections pertinent to a particular type of statistical problem. Each new concept is clearly and briefly described, whenever possible by relating it to previous topics. Then the student is given carefully chosen examples to deepen understanding of the basic ideas and how they are applied in engineering. The examples and case studies are taken from real-world engineering problems and use real data. A number of practice problems are provided for each section, with answers in the back for selected problems. This book will appeal to engineers in the entire engineering spectrum (electronics/electrical, mechanical, chemical, and civil engineering); engineering students and students taking computer science/computer engineering graduate courses; scientists needing to use applied statistical methods; and engineering technicians and technologists. * Filled with practical techniques directly applicable on the job * Contains hundreds of solved problems and case studies, using real data sets * Avoids unnecessary theory

The Death and Life of Great American Cities

Betcha Didn't Know That!

Junk Drawer Physics

Teaching Physics 11-18

25 Construction Challenges That Don't Cost a Thing

Everything You Should Have Learned in School...but Probably Didn't

Something Borrowed

Speed 's demonstrations will fascinate, amaze, and teach students the wonders of physics. A compilation of physics demonstrations performed at the University of Wisconsin – Madison and in the popular lecture series The Wonders of Physics, Physics Demonstrations includes demonstrations illustrating properties of motion, heat, sound, electricity, magnetism, and light. All demonstrations include a brief description, a materials list, preparation procedures, a provocative discussion of the phenomena displayed and the principles illustrated, important information about potential hazards, and references. Suitable for performance outside the laboratory, Sport 's demonstrations are an indispensable teaching tool.

There's not need for expensive, high-tech lab equipment to perform physics experiments-you probably have all you need in your home junk drawer. Turn a plastic cup into a pinhole camera using waxed paper, a rubber band, and a thumbtack. Build a swinging wave machine using a series of washers suspended on strings from a yardstick. Use a cork, string, and water-filled plastic bottle to create a simple accelerometer. Or construct your own planetarium from an empty potato chip canister, construction paper, scissors, and a pin. Physics teacher Bobby Mercer provides readers with more than 50 great hands-on experiments that can be performed for just pennies. . . or less. Each project has a materials list, detailed step-by-step instructions with illustrations, and a brief explanation of the scientific principle being demonstrated. Junk Drawer Physics also includes sidebars of fascinating physics facts: did you know the Eiffel Tower is six inches taller in summer than in winter because its steel structure expands in the heat? Educators and parents will find this title a handy resource to teach children about physics topics that include magnetism, electricity, force, motion, light, energy, sound, and more, and have fun at the same time. Bobby Mercer has been a high school physics teacher for over two decades.

He is the author of *The Flying Machine Book*, *The Racecar Book*, and *Smash It!* *Crash It!* *Launch It!* and lives with his family outside of Asheville, North Carolina.

A compilation of 3M voices, memories, facts and experiences from the company's first 100 years.

A few years ago, I realized my life was full of a lot of stuff I didn't want. Arlen Richard knows what he's talking about. As a former addict, he recognizes that his addiction had introduced toxic habits, unresolved issues, and a lot more "junk" in his life. As he looked at the overflowing junk drawer that was his psyche, he realized it was time to get to work. He needed to clean it out. In this first instalment in a series of self-help guides on a variety of issues, Richard shows you how to take inventory of your own junk drawer and decide what you need to cut out of your life. He covers how to recognize bad habits and behaviors cluttering your drawer, how to hold on to the good qualities and values that you cherish, how to use the tools you have been given to rebuild your life, how to give yourself permission to hope and dream, and how to make peace with your past mistakes and move forward. Richard believes that by sharing his personal story with you, he can inspire you to transform your life and find happiness and hope for a new tomorrow.

Junk Drawer Biology

Critical Theory Today

Easy-to-Use Labs and Demonstrations for Grades 8 - 12

Homemade Science Experiments and Activities Inspired by Awesome Chemists, Past and Present

The Flying Machine Book

Electrical Engineering 101

Do you want to publish your family history research but feel limited by the lack of content that you have? Family History Scrapbooking Simplified helps you map out your heritage using photo cards, documents, or the content you have. Are you frustrated with the lack of creative control that large photo book printers offer? Family History Scrapbooking Simplified suggests a way to take creative control over your project using digital scrapbooking software. Are you ready to create a heritage scrapbook but do not know what to include in the such a project? Family History Scrapbooking Simplified explains what to put in your projects from a genealogical perspective.

The projects in Junk Drawer Engineering demonstrate that you don't need high-tech equipment to make learning fun—just what you can find in your recycling bin and around the house. Educators and parents will find this title a handy resource to teach children problem-solving skills and applied physics, all while having a lot of fun.

-Would the bus in Speed really have made that jump? -Could a Star Wars ship actually explode in space? -What really would have happened if you said "Honey, I shrunk the kids"? The companion book to the hit website (www.intutor.com/moviefysics), which boasts more than 1 million visitors per year, Insultingly Stupid Movie Physics is a hilarious guide to the biggest mistakes, most outrageous assumptions, and the outright lunacy at work in Hollywood films that play with the rules of science. In this fascinating and funny guide, author Tom Rogers examines 20 different topics and shows how, when it comes to filmmaking, the rules of physics are flexible. Einstein's and film buffs alike will be educated and entertained by this wise and witty guide to science in Hollywood.

The Newbery Medal and Coretta Scott King Awards-winning classic about a boy who decides to hit the road to find his father—from Christopher Paul Curtis, author of *The Watsons Go To Birmingham—1963*, a Newbery and Coretta Scott King Honoree. It ' s 1936, in Flint Michigan. Times may be hard, and ten-year-old Bud may be a motherless boy on the run, but Bud ' s got a few things going for him: 1. He has his own suitcase full of special things. 2. He ' s the author of Bud Caldwell ' s Rules and Things for Having a Funner Life and Making a Better Liar Out of Yourself. 3. His momma never told him who his father was, but she letta the flyers advertising Herman E. Calloway and his famous band, the Dusky Devastators of the Depression!!!! Bud ' s got an idea that those flyers will lead him to his father. Once he decides to hit the road to find this mystery man, nothing can stop him—not hunger, not fear, not vampires, not even Herman E. Calloway himself. AN ALA BEST BOOK FOR YOUNG ADULTS AN ALA NOTABLE CHILDREN'S BOOK AN IRA CHILDREN'S BOOK AWARD WINNER NAMED TO 14 STATE AWARD LISTS " The book is a gem, of value to all ages, not just the young people to whom it is aimed. " —The Christian Science Monitor " Will keep readers engrossed from first page to last. " —Publishers Weekly, Starred " Curtis writes with a razor-sharp intelligence that grabs the reader by the heart and never lets go. . . . This highly recommended title [is] at the top of the list of books to be read again and again. " —Voice of Youth Advocates, Starred From the Hardcover edition.

Junk Drawer Chemistry

The Show I'll Never Forget

Sophie's World

The Clutter Book

Let the Sorting Begin

The Kitchen Pantry Scientist: Chemistry for Kids

The Big Ideas in Physics and How to Teach Them

This title is out of print as of 03/02/2005. A new revised and updated edition: Secrets of Methamphetamine Manufacture, 7th Edition, will be available as of 03/08/2005.

A coming-of-age classic about two Jewish boys growing up in Brooklyn in the 1940s, this "profound and universal" (The Wall Street Journal) story of faith, family, tradition, and assimilation remains deeply pertinent today. "Works of this caliber should be occasion for singing in the streets and shouting from the rooftops." —Chicago Tribune It's the spring of 1944 and fifteen-year-olds Rouven Malter and Danny Saunders have lived five blocks apart all their lives. But they've never met, not until the day an accident at a softball game sparks an unlikely friendship. Soon these two boys—one expected to become a Hasidic rebbe, the other at ease with secular America—are drawn into one another's worlds despite a father's strong opposition. Set against the backdrop of World War II and the creation of the state of Israel, The Chosen is a poignant novel about transformation and tradition, growing up and growing wise, and finding your self—even if it might mean disappointing those you love.

This comprehensive collection of nearly 200 investigations, demonstrations, mini-labs, and other activities uses everyday examples to make physics concepts easy to understand. For quick access, materials are organized into eight units covering Measurement, Motion, Force, Pressure, Energy & Momentum, Waves, Light, and Electromagnetism. Each lesson contains an introduction with common knowledge examples, reproducible pages for students, a "To the Teacher" information section, and a listing of additional applications students can relate to. Over 300 illustrations add interest and supplement instruction.

Physics is a branch of science that many people consider to be too complicated to understand. In this exciting addition to the ?Exploring? series, John Hudson Tiner puts this myth to rest as he explains the fascinating world of physics in a way that students from elementary to high school can comprehend. Did you know that a feather and a lump of lead will fall at the same rate in a vacuum? Learn about the history of physics from Aristotle to Galileo to Isaac Newton to the latest advances. Discover how the laws of motion and gravity affect everything from the normal activities of everyday life to launching rockets into space. Learn about the effects of inertia firsthand during fun and informative experiments. Exploring the World of Physicsis a great tool for students of all ages who want to have a deeper understanding of the important and interesting ways that physics affects our lives and is complete with illustrations, chapter questions, and an index.

Junk Drawer Geometry

The 3M Story
Secrets of Methamphetamine Manufacture
Exploring the World of Physics
Hollywood's Best Mistakes, Goofs and Flat-Out Destructions of the Basic Laws of the Universe
Insultingly Stupid Movie Physics
The Palace of Rogues

Calling all future Amelia Earharts and Chuck Yeagers--there's more than one way to get off the ground. Author and physics teacher Bobby Mercer will show readers 35 easy-to-build and fun-to-fly contraptions that can be used indoors or out. Better still, each of these rockets, gliders, boomerangs, launchers, and helicopters are constructed for little or no cost using recycled materials. The Flying Machine Book will show readers how to turn rubber bands, paper clips, straws, plastic bottles, and index cards into amazing, gravity-defying flyers. Learn how to turn a drinking straw, rubber band, and index card into a Straw Rocket, or convert a paper towel tube into a Grape Bazooka. Empty water bottles can be transformed into Plastic Zippers and Bottle Rockets, and ordinary paper can be cut and folded to make a Fingerrangs--a small boomerang--or a Maple Key Helicopter. Each project contains a material list and detailed step-by-step instructions with photos. Mercer also includes explanations of the science behind each flyer, including concepts such as lift, thrust, and drag, the Bernoulli effect, and more. Readers can use this information to modify and improve their flyers, or explain to their teachers why throwing a paper airplane is a mini science lesson. Bobby Mercer has been sharing the fun of free flight for over two decades as a high school physics teacher. He is the author of several books and lives with his family outside of Asheville, North Carolina.

Sean Connolly's bestselling "genius at work" series gets it's "T!" STEM, standing for Science, Technology, Engineering, and Mathematics, refers to the core non-humanities subjects that are so critical to contemporary education. And now, after covering everything but the technology, this master of fun, messy, possibly risky and compelling interactive science experiments explores twenty-seven key areas in current and near-future tech. Author of The Book of Totally Irresponsible Science, The Book of Massively Epic Engineering Disasters, and, most recently, The Book of Ingeniously Daring Chemistry Sean Connolly delves into the fascinating and potentially scary world of driverless cars, artificial intelligence, robots and androids, smart clothing, the "internet of things," test-tube meat, the space elevator, and more. Through cool illustrations, quick definitions, illustrated panels, and Connolly's clear and always-lively writing, readers learn what each breakthrough means; how it has or will improve our lives; what other technologies are related to it; and what the terrifyingly awesome potential risks are. (3D printing? What happens when someone bad "prints" a weapon?) And to make the learning hands-on, each chapter includes an experiment to help understand the underlying principles of these incredibly complicated developments: Use milk jugs and balloons to test solar power. Food dye and water to understand genome technology. A paper airplane to gain insight into drones. Two boards and two friends to replicate the force of a powered exoskeleton. It's science, down to a T.

Thirty years after its publication, *The Death and Life of Great American Cities* was described by *The New York Times* as "perhaps the most influential single work in the history of town planning....[It] can also be seen in a much larger context. It is first of all a work of literature; the descriptions of street life as a kind of ballet and the biting satiric account of traditional planning theory can still be read for pleasure even by those who long ago absorbed and appropriated the book's arguments." Jane Jacobs, an editor and writer on architecture in New York City in the early sixties, argued that urban diversity and vitality were being destroyed by powerful architects and city planners. Rigorous, sane, and delightfully epigrammatic, *Jacobs's* small masterpiece is a blueprint for the humanistic management of cities. It is sensible, knowledgeable, readable, indispensable. The author has written a new foreword for this Modern Library edition.

Something Borrowed Emily Giffin The smash-hit debut novel for every woman who has ever had a complicated love-hate friendship. Rachel White is the consummate good girl. A hard-working attorney at a large Manhattan law firm and a diligent maid of honor to her charmed best friend Darcy, Rachel has always played by all the rules. Since grade school, she has watched Darcy shine, quietly accepting the sidekick role in their lopsided friendship. But that suddenly changes the night of her thirtieth birthday when Rachel finally confesses her feelings to Darcy's fiance, and is both horrified and thrilled to discover that he feels the same way. As the wedding date draws near, events spiral out of control, and Rachel knows she must make a choice between her heart and conscience. In so doing, she discovers that the lines between right and wrong can be blurry, endings aren't always neat, and sometimes you have to risk everything to be true to yourself.

The Evil Hours

A Novel

Genre in a Changing World

Family History Scrapbooking Simplified

The Fix Up