

Swanson Speed Square User Guide

Offers step-by-step instructions on how to frame a house from top to bottom, adding details such as proper terminology, rules of being an effective leader on a construction project, and building code requirements.

Old homes come with a character unmatched by recently built houses on the market. The craftsmanship is often more distinct, the architectural elements more refined, the wood floors and trims more detailed, and the structure more solid and settled. A certain amount of renovation must be done to the older homes, and remodeling your home can make it come alive, fix its flaws, enhance its interior, and even make it more eco-friendly. However, renovating can be time consuming, expensive, and nerve-racking, leaving the homeowner in a dust whirlwind with everything that needs to be done. This guide helps you to overcome these challenges bringing you home-owner bliss. To begin, you will learn how to estimate and stick to your renovation budget, as well as some key cost-cutting techniques to help you come in under budget. You will learn what building codes to follow before you begin your project, as well as the projects you can do on your own and what you might need professional assistance on. This book takes you through the complete remodeling process from the bottom up, beginning with the foundation. The book also presents ideas for renovating your family room, bedrooms, attic, basement, kitchen, and bathroom, as well as a variety of floor plans to follow if you need some help getting started. You will learn how to select and install cabinets and counter tops, as well as how to fully update sinks, taps, appliances, baths, showers and toilets. You will also learn how to overcome the challenges associated with water, electricity, asbestos, tanks and wells, and cesspools. There are step-by-step instructions for some of the most common projects, including installing drywall, upgrading windows and doors, and installing flooring. There is a section on exterior renovations, which contains information on skylights, garage doors, sunrooms, decks, and pools. Whether you are attempting your first project or are a seasoned professional, this is an indispensable companion for any homeowner with a project or two in mind.

Guidelines for designing, and building energy-efficient houses

"Starts out with detailed coverage of standard building materials and up-to-date how-to information about modern power tools and safety requirements...explores all the standard framing methods...demystifies some of the more obscure tasks, such as building gable dormers...and structural foundations."—Popular Mechanics.

New York Times bestselling author of *Super Natural Every Day*, Heidi Swanson shares 125 natural foods recipes along with photographs inspired by her travels both near (Northern California) and far (Italy, Morocco, France, India, and Japan). Equal parts recipe journal and photo album, *Near & Far* focuses on dishes inspired by Heidi Swanson's Northern California kitchen and her many international travels to diverse cities including Marrakech, Tokyo, Paris, Jaipur, Rome, Kyoto, Palermo, New Delhi, and more. In this deeply personal collection, Heidi turns to the series of dog-eared recipe journals she has kept for years--each filled with newspaper clippings, magazine scraps, photos, stamps, receipts, and sticky notes to chronicle details she wants to remember: a paprika-spiked tomato soup in Amsterdam, the pattern of an ancient Italian olive grove she passed on the way to the Bari airport, and the precise way an elderly Vietnamese woman carefully sliced broccoli stems in the back of a grocery in New Zealand. Vegetarian recipes such as Carrot and Sake Salad, Fennel Frond Orzo, Rye Buttermilk Cakes, Harissa Farro, Fresh Ginger Citrus Juice, and Brown Butter Tortelli make use of the healthy, whole foods ingredients and approachable techniques that Heidi's sizable fanbase has come to expect. And photographs taken on location around the world--as well as back home in Heidi's kitchen--reveal the places that inspire her warm and nourishing cooking.

-- Discusses all aspects of laying foundations, raising walls, and more for small or one-person crews

Shows how to design and construct a patio, build screens, walls, and fences, and recommends useful tools and techniques

Design/remodel barrier-free housing yourself. Here's the first nuts-and-bolts, how-to guide for builders and remodelers designing or retro-fitting homes for the physically-disabled and elderly. In Leon A. Frechette's *Accessible Housing* you'll find ready-to-use floor plans for every room in the house--tools and techniques for calculating stairway risers and treads--guidelines for determining doorway and window dimensions, counter and bathtub heights, and other code-related issues--installation instructions for intercoms and alarms--barrier-free building codes for commercial multi-family housing units--and more. It's your key to unlocking the door to barrier-free residential work!

"A 22-volume, highly illustrated, A-Z general encyclopedia for all ages, featuring sections on how to use World Book, other research aids, pronunciation key, a student guide to better writing, speaking, and research skills, and comprehensive index"--

Discover how the natural world inspires innovation in science and technology to create the latest and greatest breakthroughs and discoveries in this exciting book. Did you know that scientists have developed a bionic tool shaped like an elephant's trunk that helps lift heavy objects? Or that the needle-like pointed beak of the kingfisher bird encouraged engineers in Japan to change the design of the Shinkansen "bullet trains" to reduce noise? Across multiple fields of study and methods of problem-solving, scientists are turning to biomimicry, or engineering inspired by biology or nature, to make all kinds of cool technological advancements. From robots that protect people and gather information to everyday inventions, like reflectors on the roads and ice-proof coatings for airplanes, to new sources of renewable energy, this book dives into the ways that nature can give us ideas on how to improve our world. Discover more than 40 examples of technology influenced by animals, learn about some of the incredible creatures who have inspired multiple creations, and meet some of the scientists and the stories behind their inventions.

Woodworkers and carpenters will learn to solve virtually every geometry and layout problem with this handy guide to the steel square. Loaded with diagrams, practical advice and exercises. Learn how valuable the steel square can be. Loaded with diagrams, practical advice, and skill-building exercises.

This is the very first book to distill the principles of complex adaptive systems and adaptive management into practical guidance for policymakers. It describes the concept of adaptive policymaking and presents seven tools for developing such policies. Based on hundreds of interviews with people impacted by policy and research of over a dozen policy case studies, this book serves as a pragmatic guide for policymakers by elaborating on these seven tools. It is an invaluable information resource for technical policymakers and politicians, as well as for those studying politics and international relations.

The hard-earned tips and tricks gained by experience are the hidden currency of makers -- passed along in workshops and makerspaces by example and by retelling -- shared wisdom that will help you work smarter, easier, and more efficiently. Who doesn't remember with gratitude the insider secrets they learned from from a parent, shop teacher, or artisan? The best ones are never forgotten! This benchtop reference collects hundreds of ingenious and indispensable

shop tips and pearls of wisdom collected by the editors of Make: and some of the most talented and prolific makers who've contributed to the magazine and Maker Faire over the past decade. Inside you'll find tips for measuring and cutting, gluing and fastening, clamping and joining, drilling, shop organizing, maintenance and repair, and more. The topics covered run the gamut from traditional shopcraft to electronics and soldering. You'll also encounter fascinating tales from experienced makers whose personal stories illuminate their favorite tools and best discoveries. Illustrated in full color with photos, drawings, and comic strips, Tips and Tales from the Workshop will entertain and enlighten while inspiring you. Get ready to smack your head and ask yourself, "Why didn't I think of that?" Praise for Tips and Tales from the Workshop: "Gareth Branwyn is the Tip Master. He scours the workshops of the world for practical, time-saving, life-altering tips to help you make stuff better, faster, and cheaper. This book rounds up the best ones he knows." --KEVIN KELLY, creator of Cool Tools and Wired Senior Maverick "Gareth has essentially created a magic book for makers." --DONALD BELL, Maker Project Labs "Tips and Tales from the Workshop is sure to inspire anyone to get making with newfound ease and satisfaction. This book embodies the spirit of great mentors, across every medium, and imparts a wizard-like cleverness to its readers. I thought I was clever, and this book has already prevented at least a dozen new mistakes in my studio. It's "ah-ha" moment overload!" --BECKY STERN, DIY guru and Instructables content creator "It must be hard to write a book like this with such uncommon clarity and in so entertaining a fashion as Gareth Branwyn has done here. Gareth clearly has a deep understanding of making and those who make because he is a maker himself. Tips and Tales from the Workshop is jam packed with invaluable information; it is both a fun read and a reliable shop reference for any do-it-yourselfer." --ANDY BIRKEY, YouTube maker

Girls Garage is the only book you'll ever need for a lifetime of tools and building. Not sure which screws to buy? Need to fix a running toilet? With Girls Garage, you'll have the expertise to tackle these problems with your own hands. Or maybe you want to get creative and build something totally new. A birdhouse? A bookshelf? Girls Garage has you covered. Packed with illustrations that will build confidence for your next hardware store run, practical advice on everything from quick fixes to safety tips, and inspiring stories from real-world builder girls and women, this eye-catching volume makes the technical accessible. This is the guide every girl needs to take her life into her own hands. Girls, get in touch with your inner badass, and get building • Informative, inspiring, and designed for everyday use, this is the ultimate book of book of building and woodcraft for girls. • A true confidence builder for girls interested in STEM, woodworking, and home improvement. • Along with her design agency and Girl's Garage, Emily Pilloton has been featured on television shows and the documentary film If You Build It. Girls Garage will be both a trusted household resource and a wellspring of inspiration and encouragement in the vein of Women in Science and Headstrong: 52 Women Who Changed Science and the World. • Nonfiction books for girls age 14 and up • Woodcraft, home repair, kids building projects • Inspiring Kids DIY for teens Emily Pilloton is a designer, builder, educator, and founder of the nonprofit design agency Project H Design and Girls Garage. Her ideas have made their way to the TED stage, the Colbert Report, and the full-length documentary If You Build It. She is currently a lecturer in the College of Environmental Design at the University of California, Berkeley. She lives in the San Francisco Bay Area.

The essential introduction to the principles and applications of feedback systems—now fully revised and expanded This textbook covers the mathematics needed to model, analyze, and design feedback systems. Now more user-friendly than ever, this revised and expanded edition of Feedback Systems is a one-volume resource for students and researchers in mathematics and engineering. It has applications across a range of disciplines that utilize feedback in physical, biological, information, and economic systems. Karl Åström and Richard Murray use techniques from physics, computer science, and operations research to introduce control-oriented modeling. They begin with state space tools for analysis and design, including stability of solutions, Lyapunov functions, reachability, state feedback observability, and estimators. The matrix exponential plays a central role in the analysis of linear control systems, allowing a concise development of many of the key concepts for this class of models. Åström and Murray then develop and explain tools in the frequency domain, including transfer functions, Nyquist analysis, PID control, frequency domain design, and robustness. Features a new chapter on design principles and tools, illustrating the types of problems that can be solved using feedback Includes a new chapter on fundamental limits and new material on the Routh-Hurwitz criterion and root locus plots Provides exercises at the end of every chapter Comes with an electronic solutions manual An ideal textbook for undergraduate and graduate students Indispensable for researchers seeking a self-contained resource on control theory

Goss's Roofing Ready Reckoner provides cutting angle and lengths for traditional 'cut' roofs and design tables for timber sizing, based on BS5268 'Structural use of timber' and now including a comparison of timber sizes using Eurocode 5 'Design of Timber Structures'. Additional information is provided on wall plate and gable strapping, wind bracing, truss clips and other roofing metalwork, plus information on tools, equipment and health and safety matters. Detailed drawings for tiling, slating and other roof coverings are included, with fixing requirements revised to BS 5534:2014. Information on lead substitutes and roofing putties is also provided. Design of warm and cold roofs is fully covered, including ventilation and insulation requirements. The fifth edition also includes new chapters on engineered timber roofing components, solar panel fixing and outbuilding roofs.

"Spence has produced a hefty...guide to carpentry that covers the entire process of building from planning through finishing. The scope is impressive—704 pages and 2,300 black-and-white photographs and drawings, building codes, foundations, framing, doors and windows, exterior finishing, cabinet construction, and tools....There is something here for everyone, beginner to expert....will appeal to both do-it-yourselfers and professionals."—Library Journal.

Covers the ten rules of measuring and marking, explains what tools are needed, and provides simple techniques for accurate marking and measuring

The Study Guide For Calculated Industries Master Pro Calculator is a must-have study guide to accompany the

Calculated Industries Master Pro Calculator. This study guide conveys the fundamentals of the most complete builder's calculator on the market. Check out our app, DEWALT® Mobile Pro(tm). This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit dewalt.com/mobilepro.

Why does a football spiral? How do some athletes jump so high? The answer is science! The Secret Science of Sports helps kids better understand concepts of science, technology, engineering, and math through the sports they love to play and watch. Every sport -- from baseball to basketball, to football and soccer, to wrestling, tennis, and lacrosse -- involves a bit of science, technology, engineering, and math. You can't throw a ball without Newton's Law of Motion, and you can't calculate a player's stats without math. And every type of sports equipment -- a helmet, cleats, shoulder or knee pads -- were designed with the latest engineering and technology. The Secret Science of Sports breaks down normally difficult STEM concepts like forces of motion, gravity, algebra, and even neuroscience, in a language kids can -- and will want to -- understand. Divided into sections like chemistry, biology, physics, technology, and more, this handy guide uses examples from sports like soccer, baseball, softball, football, hockey, lacrosse, tennis, and others to explain important STEM concepts for kids ages 8 to 12. They'll learn how to use math to calculate a batter's average, why a tennis racket is shaped the way it is, how biology affects athletic performance, the aerodynamics behind competitive swimsuits, and much more. With dozens of original, captivating illustrations to engage young readers, kids will have fun while learning about key STEM ideas that will prepare them for years of schooling to come.

Dead in the Doorway is the second in a delightful cozy series from Diane Kelly set in Nashville—where the real estate market is to die for. A HOUSE WITH GOOD BONES. . . Whitney Whitaker has scored the perfect piece of real estate: a ramshackle white Colonial at the top of a hill with views of downtown Nashville. What more could a self-taught home-improvement maven and occasional house-flipper ask for? Ideally, the property of Whitney's dreams would not have come with a dead body blocking the entrance to the foyer. But Whitney, always quick to take heavy-duty matters into her own hands, also happens to be a skilled amateur sleuth. So that helps. AND SKELETONS IN THE CLOSET. Who is this older woman—and how did her corpse end up at the bottom of the staircase of this locked, unoccupied house? That is what Whitney, along with the support of her wood-working cousin Buck, Detective Collin Flynn, and, of course, feline partner-in-crime Sawdust, intends to find out. Her friendly-neighbor investigation takes a sharp turn, however, when Whitney discovers that the house's former owner was a gourmet baker whose secret recipe for peach pie was to die for—perhaps literally. Now it's up to Whitney to learn the truth about what happened before she loses this killer real-estate deal . . . and the killer comes knocking at her door. "Adorable...Whitney and Sawdust are a welcome addition to your home and bookshelf."—Kellye Garrett, Anthony, Agatha, and Lefty Award--winning author of the Hollywood Homicide series

This book contains all the information necessary for framing houses and light commercial buildings. Includes shortcuts to laying out, speed cutting trimmers and plates, rake walls, installing ceiling backing, ceiling joists and truss joists, arches and drop ceilings--all with time-saving techniques. Over 100 on-the-job photos of how to do it right and what can go wrong.

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.

From planning and planting to harvesting, this is the most comprehensive and authoritative guide to growing your own vegetables and herbs. That's good news for gardeners everywhere, as the "eat local" movement continues to gain momentum. What to grow? Where to plant it? How to get the most from your garden? It's all in here. First-rate gardening pros share their expertise on designing a garden of any size, as well as fundamentals about soil, irrigation, pest control, crop rotation and more. With detailed advice on growing 85 crops, plus sidebars on how to make a garden as attractive as it is productive, readers will delight in finding all the information they'll ever need on vegetable gardening in one place.

Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.

More than one thousand answers to commonly asked questions about home improvement and repair are accompanied by step-by-step photos, illustrations, and special features explaining the latest tools, materials and techniques, short cuts, and vital safety tips. The only work to date to collect data gathered during the American and Soviet missions in an accessible and complete reference of current scientific and technical information about the Moon.

"Dramatic comedy / 6m, 6f / multiple settings"--Back cover.

A comprehensive collection of cyberculture pioneer Gareth Branwyn's best work, Borg Like Me spans a 30-year writing career. The book covers Branwyn's coming of age in a commune, his involvement in the 90s zine publishing scene, his tenure at influential cyber arts and culture mags Mondo 2000, bOING bOING, Wired, and his eight years at MAKE, spearheading the growing maker movement. Previously published material is woven throughout with Branwyn's unabashedly honest commentary, personal anecdotes, and original essays. Read about the smart-druggies behind Mondo 2000, impersonating Billy Idol in cyberspace (for Billy Idol), the making of the iconic early 90s hypermedia book, Beyond Cyberpunk!, and Branwyn going positively Phillip K. Dick after a heart attack and a bad blood transfusion. Borg Like Me is a smart, passionate, intense trip along the bleeding edges of art, technology, and culture at the turn of the 21st century.

Parks and Recreation actor and Making It co-host Nick Offerman shares his humorous fulminations on life, manliness, meat, and much more in this New York Times bestseller. Growing a perfect moustache, grilling red meat, wooing a woman—who better to deliver this tutelage than the always charming, always manly Nick Offerman, best known as Parks and Recreation's Ron Swanson? Combining his trademark comic voice and very real expertise in woodworking—he runs his own woodshop—Paddle Your Own Canoe features tales from Offerman's childhood in small-town Minooka, Illinois—"I grew up literally in the middle of a cornfield"—to his theater days in Chicago, beginnings as a carpenter/actor and the hilarious and magnificent seduction of his now-

wife Megan Mullally. It also offers hard-bitten battle strategies in the arenas of manliness, love, style, religion, woodworking, and outdoor recreation, among many other savory entrees. A mix of amusing anecdotes, opinionated lessons and rants, sprinkled with offbeat gaiety, Paddle Your Own Canoe will not only tickle readers pink but may also rouse them to put down their smart phones, study a few sycamore leaves, and maybe even hand craft (and paddle) their own canoes.

How do you tailor education to the learning needs of adults? Do they learn differently from children? How does their life experience inform their learning processes? These were the questions at the heart of Malcolm Knowles' pioneering theory of andragogy which transformed education theory in the 1970s. The resulting principles of a self-directed, experiential, problem-centred approach to learning have been hugely influential and are still the basis of the learning practices we use today. Understanding these principles is the cornerstone of increasing motivation and enabling adult learners to achieve. The 9th edition of The Adult Learner has been revised to include: Updates to the book to reflect the very latest advancements in the field. The addition of two new chapters on diversity and inclusion in adult learning, and andragogy and the online adult learner. An updated supporting website. This website for the 9th edition of The Adult Learner will provide basic instructor aids. For each chapter, there will be a PowerPoint presentation, learning exercises, and added study questions. Revisions throughout to make it more readable and relevant to your practices. If you are a researcher, practitioner, or student in education, an adult learning practitioner, training manager, or involved in human resource development, this is the definitive book in adult learning you should not be without. Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

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