
Beginners Guide To Constructing The Universe

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CONCLUSION

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A Beginner's Guide to Constructing the Universe

The Mathematical Archetypes of Nature, Art, and Science

Harper Collins

Discover how mathematical sequences abound in our natural world in this definitive exploration of the geography of the cosmos. You need not be a philosopher or a botanist, and certainly not a mathematician, to enjoy the bounty of the world around us. But is there some sort of order, a pattern, to the things that we see in the sky, on the ground, at the beach? In *A Beginner's Guide to Constructing the Universe*, Michael Schneider, an education writer and computer consultant, combines science, philosophy, art, and common sense to reaffirm what the ancients observed: that a consistent language of geometric design underpins every level of the universe, from atoms to galaxies, cucumbers to cathedrals. Schneider also discusses numerical and geometric symbolism through the ages, and concepts such as periodic renewal and resonance. This book is an education in the world and everything we can't see within it. Contains numerous b&w photos and illustrations.

The Beginner's Guide to Constructing the Universe

The Mathematical Archetypes of Nature, Art, and Science

Harper Collins

The Universe May Be a Mystery, But It's No Secret. Michael Schneider leads us on a spectacular, lavishly illustrated journey along the numbers one through ten to explore the mathematical principles made visible in flowers, shells, crystals, plants, and the human body, expressed in the symbolic language of folk sayings and fairy tales, myth and religion, art and architecture. This is a new view of mathematics, not the one we learned at school but a comprehensive guide to the patterns that recur through the universe and underlie human affairs. *A Beginner's Guide to Constructing the Universe* shows you: Why cans, pizza, and manhole covers are round. Why one and two weren't considered numbers by the ancient Greeks. Why squares show up so often in goddess art and board games. What property makes the spiral the most widespread shape in nature, from embryos and hair curls to hurricanes and galaxies. How the human body shares the design of a bean plant and the solar system. How a snowflake is like Stonehenge, and a beehive like a calendar. How our ten fingers hold the secrets of both a lobster and a cathedral. And much more.

A Beginner's Guide to Constructing the Universe

The Mathematical Archetypes of Nature, Art, and Science *Harpercollins*

Describes the mathematical bases of life, including consistent patterns of numbers and geometric figures that are found in physics, mythology, philosophy, and religion, and art

Beginner's Guide to Making Mosaics

16 Easy-to-Make Projects for Any Space *Fox Chapel Publishing*

Transform areas and items in your home into beautiful works of art! Eye-catching and a lot of fun to do, this introductory guide to mosaic art (literally) covers everything, from window sills, wall murals, and coffee tables to flower pots, picture frames, trays, and so many more decorative pieces for both the home and garden! With 16 beautiful projects to create, supply lists, step-by-step photography and captions, helpful tips, and everything you need to know about the materials, tools, and techniques to make colorful works of art, this is the go-to guide for starting a brand new hobby in mosaics!

Robot Builder

The Beginner's Guide to Building Robots *Que Publishing*

Absolutely no experience needed! Learn robot building from the ground up, hands-on, in full color! Love robots? Start building them. It's way easier than you ever imagined! John Baichtal has helped thousands of people get started with robotics. He knows what beginners need to know. He knows your questions. He knows where you might need extra help. Now, he's brought together this practical knowledge in one incredibly easy tutorial. Hundreds of full-color photos guide you through every step, every skill. You'll start simple, as you build a working robot in the very first chapter. Then, you'll grow your skills to expert-level: powering motors, configuring sensors, constructing a chassis, even programming low-cost Arduino microcontrollers. You'll learn hands-on, through real step-by-step projects...and go straight to the cutting-edge with in-depth sidebars. Wondering just how much you can really do? Baichtal shows you 30 incredible robots built by people just like you! John Baichtal's books about toys, tools, robots, and hobby electronics include Hack This: 24 Incredible Hackerspace Projects from the DIY Movement; Basic Robot Building With Lego Mindstorms NXT 2.0; Arduino for Beginners; MAKE: Lego and Arduino Projects for MAKE (as coauthor); and the forthcoming Building Your Own Drones: The Beginner's Guide to UAVs and ROVs. A founding member of the pioneering Twin Cities Maker hackerspace, he got his start writing for Wired's legendary GeekDad blog, and for DIYer bible MAKE Magazine. Make your robots move with motors and wheels Build solar-powered robots that work without batteries Control robots via Wi-Fi, radio, or even across the Internet Program robots to respond to sensor inputs Use your standard TV remote to control your robots Create robots that detect intruders and shoot them with Nerf® darts Grab and carry objects using claws and grippers Build water-borne robots that float, submerge, and "swim" Create "artbots" that paint or draw original artworks Enable your robots to send text messages when they take specific actions Discover today's new generation of hobbyist-friendly robotics kits Organize your ultimate robot-builder's toolbox Master simple safety routines that protect you whatever you're building

Pop Up Paper Structures

The Beginner's Guide to Creating 3-D Elements for Books, Cards & More *C&T Publishing Inc*

3-D Magic for the Whole Family to Enjoy! 12 pop-up techniques and 7 complete projects perfect for novices. Add 3-D pizzazz to cards, scrapbook pages, gift tags, board books - almost anything you can scrap! Loaded with ideas for holidays, birthdays, weddings, and other occasions. Tired of living in a world of flat paper? Heidi shows you how to transform one-dimensional elements into 3-D delights. Dozens of photos and easy step-by-step instructions show you how to add a third dimension to images, words, and sayings. Learn to make pop-up boxes, houses, and fanciful shapes. Amaze everyone with the results! All you need is cardstock and a few basic cardmaking supplies.

A Beginner's Guide To Mathematica *CRC Press*

Because of its large command structure and intricate syntax, Mathematica can be difficult to learn. Wolfram's Mathematica manual, while certainly comprehensive, is so large and complex that when trying to learn the software from scratch -- or find answers to specific questions -- one can be quickly overwhelmed. A Beginner's Guide to Mathematica

SQL for Data Scientists

A Beginner's Guide for Building Datasets for Analysis *John Wiley & Sons*

Jump-start your career as a data scientist—learn to develop datasets for exploration, analysis, and machine learning SQL for Data Scientists: A Beginner's Guide for Building Datasets for Analysis is a resource that's dedicated to the Structured Query Language (SQL) and dataset design skills that data scientists use most. Aspiring data scientists will learn how to construct datasets for exploration, analysis, and machine learning. You can also discover how to approach query design and develop SQL code to extract data insights while avoiding common pitfalls. You may be one of many people who are entering the field of Data Science from a range of professions and educational backgrounds, such as business analytics, social science, physics, economics, and computer science. Like many of them, you may have conducted analyses using spreadsheets as data sources, but never retrieved and engineered datasets from a relational database using SQL, which is a programming language designed for managing databases and extracting data. This guide for data scientists differs from other instructional guides on the subject. It doesn't cover SQL broadly. Instead, you'll learn the subset of SQL skills that data analysts and data scientists use frequently. You'll also gain practical advice and direction on "how to think about constructing your dataset." Gain an understanding of relational database structure, query design, and SQL syntax Develop queries to construct datasets for use in applications like interactive reports and machine learning algorithms Review strategies and approaches so you can design analytical datasets Practice your techniques with the provided database and SQL code In this book, author Renee Teate shares knowledge gained during a 15-year career working with data, in roles ranging from database developer to data analyst to data scientist. She guides you through SQL code and dataset design concepts from an industry practitioner's perspective, moving your data scientist career forward!

A Beginner's Guide to Structural Equation Modeling *Psychology Press*

The second edition features: a CD with all of the book's Amos, EQS, and LISREL programs and data sets; new chapters on importing data issues related to data editing and on how to

report research; an updated introduction to matrix notation and programs that illustrate how to compute these calculations; many more computer program examples and chapter exercises; and increased coverage of factors that affect correlation, the 4-step approach to SEM and hypothesis testing, significance, power, and sample size issues. The new edition's expanded use of applications make this book ideal for advanced students and researchers in psychology, education, business, health care, political science, sociology, and biology. A basic understanding of correlation is assumed and an understanding of the matrices used in SEM models is encouraged.

Building Your Own Drones

A Beginners' Guide to Drones, UAVs, and ROVs *Que Publishing*

Absolutely no experience needed! Build your drone, step-by-step, with this full-color, hands-on guide! You've heard about drones. You've seen drones. Now, build your own—it's a lot easier than you think! Drones are the newest frontier for the DIY/maker community, and you don't need to be a technical expert to build one. John Baichtal, the #1 author of hardware hacking books for beginners, will teach you all the skills you need. First, Baichtal shows you the amazing drones others have built. Then, he walks you through several complete projects: quadcopters, UAVs, ROVs, and more. Not ready to start from scratch? No problem: Baichtal helps you choose from today's best new kits. Hundreds of full-color step-by-step photos teach you every step, every skill. When you're ready for more advanced concepts, Baichtal explains them in plain English. Discover what drones are and why they're so exciting Explore today's most imaginative projects, from 3D-printed mini quadcopters to floating robot armies Compare kits, from \$200 up: Parallax ELEV-8, DJI Phantom 2 Vision+, OpenROV, Actobotics Nomad, Brooklyn Aerodrome Flack, and more Create your own practical Drone Builder's Workbench Build complete rocket, blimp, waterborne, and automotive drones Construct both fully autonomous and radio-controlled drones Choose and assemble your chassis (airframe), motor, props, flight control, power system, accessories, and software Integrate Arduino to make radio-controlled drones operate autonomously Teach a drone to navigate via RFID tags Learn all the basic electronics and programming you'll need

Minecraft for Beginners

The Illustrated Guide to Learn All the Tips and Tricks for Crafting, Surviving, Exploring and Building Incredible Structures Like a Pro

Are you trying out Minecraft for the first time? Are you looking for some tips to keep you alive the first couple of nights, and to give you a good head-start as you dive into this rich game? Look no further! Starting a new Minecraft world can be exciting, yet overwhelming. With an endless world presented right in front of your eyes, a world that offers endless possibilities, it can be a little hard to figure out where to start. Now, you can easily get through not just the first couple of nights but the first couple of weeks within the game too! Minecraft isn't like your typical video game. There aren't any obvious objectives or any real tutorials to help you get started. That's why we wrote this beginner's guide to help you get prepared for your very first adventures. In this guide, you will learn about: Choosing Gameplay in Minecraft Getting the Most From Your Tools How to Craft How to Survive the First Day Different Ways to Play Minecraft Redstone/ Sprawning/ Animals/ Monsters or Creatures Tips on How to Improve on Minecraft Different Types of Minecraft Players and

their Behavior How You Can Build Amazing Structures in Minecraft Trapping Ideas Minecraft Biomes You will learn everything from initial shelter building to building a netherportal. Once you have gained ease in it, what you do from there is totally up to you and your imagination. Our top Minecraft tips for noobs will set you on the right track, and you will be a Minecraft addict before you know it! So what are you waiting for? With a little guidance, you can become a pro in a matter of hours too by clicking the BUY NOW BUTTON!

Building a Shed

Expert Advice from Start to Finish *Taunton Press*

An illustrated guide to shed construction takes amateur carpenter's on a tour of potting sheds, garden storage sheds, storage barns, lean-to tool lockers, and saltboxes, among other styles, offering step-by-step instructions for building each. Original.

Wire Wrapping Book for Beginners

Learn How to Craft 20 Bead Making Jewelry Designs and Projects with Step by Step Instructions, Plus Tools and Techniques to Get You Started *Gina Bowen*

Ever stumbled across any book on the art of wire wrapping? Have you perhaps never heard of the term before? Or have you been searching for that one book that would unlock all the mysteries relating to wire-wrapping? If so, then read on... This book, Wire Wrapping Book for Beginners, breaks down in detail all you need to know about wire-wrapping into the tiniest bits of information. All you just need to do is read! Now, for you, who might be unfamiliar with my words, stay with me! What is Wire Wrapping? Wire wrapping is a craft that involves the twisting, rolling, and cutting of wire strings. Don't get frightened, you aren't going to be soldering anything! All you need is just a bag of simple and easy-to-get tools and a well of patience and determination. Do you know that with this craft, you can make the finest pieces of jewelry such as earrings, necklaces, anklets, bracelets, rings, and more? No? Well, now, you know. In wire wrapping, you are allowed to infuse your creativity to the work you do! But then, what is creativity if you don't have the knowledge of what wire wrapping is first? That is why this book was carefully written for everyone, not just for beginners to get started in making their first pieces of art, but also for experts alike—so that they can learn as well as toughen up on what they already know. Upon reading through the pages of this book, you will; · Be more acquainted with what wire wrapping entails, its historical timelines, and how it works. · Be familiar with the terms associated with wire wrapping. · Educated on the safety measures to adhere to when handling the wires and operating in your workspace. · Be exposed to the tips, tricks and techniques used in the art of wire wrapping that will set you on your way to becoming an expert in this craft. · Be enlightened on the tools and materials required to get you started. · Get started with making beautiful pieces of jewelry with the aid of the 20 wire wrapping project ideas discussed in this book with step-by-step instructions and graphical illustrations to guide you along the process. What more are you waiting for? Hone your creative abilities, and build your crafting skills with this beginner's guide to wire wrapping. To begin your journey, simply grab a copy of this book RIGHT NOW

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A Beginner's Guide to Teaching Mathematics in the Undergraduate Classroom *Routledge*

This practical, engaging book explores the fundamentals of pedagogy and the unique challenges of teaching undergraduate mathematics not commonly addressed in most education literature. Professor and mathematician, Suzanne Kelton offers a straightforward framework for new faculty and graduate students to establish their individual preferences for course policy and content exposition, while alerting them to potential pitfalls. The book discusses the running of day-to-day class meetings and offers specific strategies to improve learning and retention, as well as concrete examples and effective tools for class discussion that draw from a variety of commonly taught undergraduate mathematics courses. Kelton also offers readers a structured approach to evaluating and honing their own teaching skills, as well as utilizing peer and student evaluations. Offering an engaging and clearly written approach designed specifically for mathematicians, *A Beginner's Guide to Teaching Mathematics in the Undergraduate Classroom* offers an artful introduction to teaching undergraduate mathematics in universities and community colleges. This text will be useful for new instructors, faculty, and graduate teaching assistants alike.

Polymer Clay Techniques Book for Beginners

The Ultimate Beginners Guide to Creating Adorable Miniature Polymer Clay Projects *Independently Published*

Polymer clay is a very adaptable medium which is ideal for learners and expert specialists the same. It very well may be a difficult and complex mechanism for the individuals who need to push the cutoff points. However, it is likewise exceptionally simple for apprentices and beginners to get great outcomes, when you know a couple of tips and deceives. Here are some useful polymer clay tips for fledglings. In case you're keen on a more top to bottom conversation of these points, a few of them connect to longer articles.

Knife Making Book for Beginners

A Bladesmithing User Guide to Forging Knives Plus Tips, Tools and Techniques to Get You Started

Are you looking to venture into the knife making business but don't know where to start from? Or are you looking to start making knives for personal or commercial purposes? Whatever the case may be, this book is the right guide to perfect your aspirations. Knife making is simply the art of making knives for different purposes including cutting things such as food items, cotton, foam, and so much more. Although the process of making knives is technical and requires a bit of skill, it is still very learnable in a short period. There are different types of knives including handmade ones and the ones made in factories. Handmade knives are much more preferable and most people argue that they supersede the ones made in factories. If you seek to delve into the craft of making knives, then you can create your homemade knives for personal use or to sell; you can even transform a space in your home into a knife making workspace. This book, *Knife Making Book for Beginners*, is packed with well-detailed information about everything that has to do with knife making. With this guide, you can easily become a knife making professional in no time. The art of making knives requires you to have a budget before venturing into the profession and there is no better way to start your knife making journey other than reading this book. Here is a preview of what you will learn in this guide: Definition and history: You will learn the true meaning of knife making and its earliest forms. Profitability potential: You will discover if the knife making business is profitable or not and how you can get started to making profitable knives the RIGHT WAY. Knife making terminologies: Confused about the terms used in knife making? This guide will teach what there is to know about the terminologies used in making knives. Tips and tricks: As a beginner, this book will help you familiarize yourself with the important tips and tricks that will guide you in your journey to become a professional knife maker. Tools and supplies: In here, you will be educated on the tools and supplies needed to make quality and eye-catching knives. Anatomy of knives: You will learn how knives are structured and how you can make your own knife the easy way. Troubleshooting common problems and FAQ: Several common knife making problems encountered by most knife makers are discussed with the steps to be taken in fixing them. FAQs asked by knife makers are also discussed. And much more!! What more are you waiting for? If you are ready to begin your knife making journey, then get a copy of this book RIGHT NOW.

The Shark's Paintbrush

Biomimicry and How Nature is Inspiring Innovation *Hachette UK*

The wave of the future has been around since the beginning of times: it's called Nature. Let inventor and entrepreneur Jay Harman introduce you to stunning solutions to some of the world's thorniest problems. Why does the bumblebee have better aerodynamics than a 747? How can copying a butterfly wing reduce the world's lighting energy bill by 80%? How will fleas' knees and bees' shoulders help scientists formulate a near-perfect rubber? Today an interdisciplinary and international group of scientists, inventors and engineers is turning to nature to innovate and find elegant solutions to human problems. The principle driving this transformation is called biomimicry, and Harman shares a wide range of examples of how we're borrowing from natural models to invent profitable, green solutions to pressing industrial challenges. Aimed at a business audience, aspiring entrepreneurs, environmentalists and general science readers, *The Shark's Paintbrush* reflects a force of change in the new global economy that does more than simply gratify human industrial ambition; it teaches us how to live in harmony with nature and opens bright opportunities for a better future.

Riemannian Geometry

A Beginners Guide, Second Edition *A K Peters/CRC Press*

This classic text serves as a tool for self-study; it is also used as a basic text for undergraduate courses in differential geometry. The author's ability to extract the essential elements of the theory in a lucid and concise fashion allows the student easy access to the material and enables the instructor to add emphasis and cover special topics. The extraordinary wealth of examples within the exercises and the new material, ranging from isoperimetric problems to comments on Einstein's original paper on relativity theory, enhance this new edition.

3D Printers

A Beginner's Guide

3D printing is a new craft technique that seems like science fiction. Objects appear to be created out of nothing - as if by magic. This book gives the reader an overview of the basics of this technique and the materials and the knowledge you need for a s

First Time Jewelry Making

The Absolute Beginner's Guide--Learn By Doing * Step-by-Step Basics + Projects *Quarry Books*

With the expert guidance of jewelry-making expert Tammy Powley in *First Time Jewelry Making*, your goal is within reach. The detailed descriptions of materials and easy step-by-step instructions for a variety of techniques will have you making earrings, necklaces, bracelets, and more in no time. The book guides you through the basics for a variety of jewelry mediums and methods, from bead stringing and wirework to chain making, metalwork, resin, and more. Simple projects like the Red Rhapsody Beaded Chain Bracelet, the Silver Metal Clay Link Earrings, and the Japanese Paper Ladybug Resin Pendant introduce you to skills you'll use often as you continue to learn about and explore jewelry making. With *First Time Jewelry Making*, you'll soon be creating your own amazing jewelry designs with confidence.

Beginner's Guide to Code Algorithms

Experiments to Enhance Productivity and Solve Problems *CRC Press*

Do you have creative ideas that you wish you could transform into code? Do you want to boost your problem solving and logic skills? Do you want to enhance your career by adopting an algorithmic mindset? In our increasingly digital world, coding is an essential skill. Communicating an algorithm to a machine to perform a set of tasks is vital. *Beginner's Guide to Code Algorithms: Experiments to Enhance Productivity and Solve Problems* written by Deepankar Maitra teaches you how to think like a programmer. The author unravels the secret behind writing code - building a good algorithm. Algorithmic thinking leads to asking the right question and enables a shift from issue resolution to value creation. Having this mindset will make you more marketable to employers. This book takes you on a problem-solving journey to expand your mind and increase your willingness to experiment with code. You will: Learn the art of building an algorithm through hands-on exercises Understand how to develop code for inspiring productivity concepts Build a mentality of developing algorithms to solve problems Develop, test, review, and improve code through guided experimentation This book is designed to develop a culture of logical thinking through intellectual stimulation. It will benefit students and teachers of programming, business professionals, as well as experienced users of Microsoft Excel who wish to become proficient with macros.

A Beginner's Guide to Paradise

9 Steps to Giving Up Everything *Berkley*

In a true story of a quarter-life crisis, the author shares his experiences living on the remote Pacific island of Yap, covering such topics as loincloth-tying, monkey-diapering, and the effects of global capitalism.

Basic Cabinet Making for Beginners Guide

A Step-by-Step Manual with Techniques, Tools, Hints and Simple Furniture Construction Projects

"Cabinets are the Soul of the home." Building your cabinets and engaging in woodworking projects within the home is a calming and worthwhile experience that everyone should be engaged in once in a while. With my years of experience in the significant woodworking fields, I can confidently say that cabinet making and shelves' construction allow you to stamp your identity on the significant places in your home. These woodworking pieces will invariably come to reflect your personality and all that you hold dear. The construction of cabinets and shelves not only gives you that much-needed exercise and mindfulness, but you also get to be actively involved in the building of vital components of your home and, at the same time, cut down on expenses. You also get to determine the type of materials used in the cabinet making, the size, design, and finishing to be applied. Most importantly, you fully understand your home's layout. Getting cabinets into those bare and often overlooked spaces will spark ingenuity that will have visitors to your home marveling at the aesthetics every time. Clayton explains to beginners in "Cabinet Making Guide for Beginners" the simple methods and techniques for adding intricate details to your projects to make them stand out. What you will get in this book includes the following; - Types of woods used in cabinet making - Types of Cabinets and Shelves - Safety and Best practices in the workshop - Cabinet making tools and materials - Cabinet making techniques for beginners - Constructing unique cabinets to fit spaces within your home. - Building of cabinets in varying designs - Fully illustrated to guide you along with your projects and for easy understanding. - Simple projects for you Come along with me on this exhilarating journey!

The World

A Beginner's Guide *Polity*

What is the world of the 21st century like now that the centrality of the West is no longer given? How were the societies and cultures of today's world together with their interconnections forged, and what is driving human society in our times? In short, what is the state of the world today as we enter the second decade of the 21st century? This is the first book which deals with planetary human society as whole. It is a beginner's guide to the world after the West and after globalization, compact, portable, and jargon-free. It is aimed at everybody who, even with experience, has kept a beginner's curiosity of the world, to everybody who does not know everything they want to know about it, about the good, the evil, and the salvation of the world. It lays bare the socio-cultural geology of the world, its major civilizations, its historical waves of globalization, its family-sex-gender systems, and its pathways to modernity. It outlines the dynamics of the world, its basic drives, the contours of its most important global and sub-global processes. It presents the big team players on the world stage, populous as well as rich countries, missions and movements as well corporations and cities. It traces the life-courses of men and women on all the continents, from their birth and childhood to their old age, and their funeral.

Property Development for Beginners

The Five Fundamentals of Property Development *Createspace Independent Publishing Platform*

Have you ever wanted to be a property developer but didn't know how? For those considering their first property development project it is essential to understand the five fundamentals of property development. The five fundamentals of property development are: 1. Acquisition; 2. Feasibility; 3. Authorities; 4. Revenue; and 5. Delivery. Property development begins with the first fundamental, acquisition. You can't be a property developer without a property to develop. But how do you know what property to acquire and where? And you wouldn't acquire a property if you didn't know that it was financially feasible. The second fundamental is feasibility. You need to understand the financial position of your proposed project before you commit to acquire a property. And before you commit to acquire a property you would want to know with reasonable certainty that you will obtain the relevant authority approvals. Authorities are the third fundamental of property development. Maximising your revenue and making sure it gets into your hip pocket as quickly as possible is also very important. Revenue is the fourth fundamental of property development. And the fifth fundamental of property development is delivery. You have to design the building and construct it for the budget in your feasibility and as approved by your local authority. All these fundamentals are integrally related to each other. You need to understand them all to be a property developer. And that's what this book does; it brings together all five fundamentals in an easy to read, short format book to help you become a property developer.

Shipping Container Homes

The Ultimate Beginners Guide to Designing, Building & Investing in Shipping Container Homes *Createspace Independent Publishing Platform*

Your Ultimate Guide To Shipping Container Living! Are You Ready To Learn All There Is About Shipping Container Homes? If So You've Come To The Right Place Here's A Preview Of What I'm

About To Teach You In Shipping Container Homes For Beginners... What are Shipping Containers? How are Steel Shipping Containers Made? Introduction to Shipping Container Homes Advantages of Shipping Container Homes Disadvantages of Shipping Container Homes Shipping Container Sustainability Permits and Legalities Hiring a Contractor Construction Process Costing Of Your Shipping Container Home Planning Your Home Floor Plans and Building Ideas for Your Home Organization and Design Hacks for Your Home Advanced Shipping Container Homes The Future for Shipping Container Homes Much, Much More!

Mastering Git

A Beginner's Guide *CRC Press*

Mastering Git: A Beginner's Guide introduces developers of all ages to the wonderful and useful world of Git. As far as software development is considered, the advent of Git has truly proven to be a milestone. If you are a software developer, you have probably already heard of Git. Its importance and functionality in the world of coding merits very high praise for a variety of reasons. Computers now have become very amenable machines. You can remove a significant section of the text from your work accidentally, but there is no need to panic. Simply use the Undo option and you're good. This, however, was not the case in the early days of development. Back then, developers did not have access to any such technology, and it was only one person who used to own the master copy of a work. This person would divide the code into specific parts, which would subsequently be divided between developers, who would work on their part and make their completed submissions independent of each other. This was followed by a standard check, after which the old version was completely replaced by the new version. This was a very tedious process--unless someone were very proactive with making copies of the code, the previous versions of a file were often effectively lost. Thankfully, a significant breakthrough came in 1972 when developer Marc Rochkind invented the Source Code Control System (SCCS), which was the very first form of Version Control System (VCS). It was limited in terms of its functionality, could allow only one person to work on it at a time, while concurrent management had to be handled using locks. But we have come a long way since then. Today, Git is the single most-used VCS out there. Its influence on coding and development, in particular, the innovative use of "branches" in order to facilitate collaboration for projects, cannot be over-emphasized. Version Control has become an indispensable part of our lives, and being familiar with the functioning of Git is something employers deem highly important. Mastering Git will prove to be of tremendous help for developers of all spheres in learning Git and Version Control. This book offers information on a wide array of subjects pertaining to Git, and even briefly touches upon its history, advantages, and disadvantages. Mastering Git also offers tips on installation, different elements involved in its functioning like Repositories, Remotes, Aliases, Tagging, Branches, etc. Popular services and hosts for such Git projects as GitHub, GitLab, and Bitbucket are also discussed in detail. For both newbie learners as well as trained professionals, this book will prove to be a handy guide for all times. Learn more about our other Mastering titles at: <https://www.routledge.com/Mastering-Computer-Science/book-series/MCS>

Mastering Java

A Beginner's Guide *CRC Press*

Mastering Java: A Beginner's Guide introduces developers of all

ages to the beautiful and valuable world of Java. Java is frequently used as the default platform for scientific applications, including natural language processing. The primary reason for this is that it is secure, portable, and extensible. It also has excellent high-level concurrency tools. In terms of software development, the introduction of Java undoubtedly was a watershed moment. You've surely heard of Java if you're a software developer. For a multitude of reasons, its relevance and functionality in the world of coding deserve high acclaim. Computers have become highly adaptable devices that can handle multi-level undo and multi-threaded apps, mostly thanks to Java. As its syntax is comparable to English, Java is relatively simple to learn and understand in a short period of time. Despite being a slightly older piece of technology, Java still performs well. It is regularly ranked among the most popular languages of programming. It is critical for enterprise-level web apps and microservices, which are expected to grow in popularity over the coming year. Java will continue to dominate the banking industry and the Fintech business for years to come. Mastering Java addresses various aspects pertaining to Java development. Mastering Java will prove to be of enormous assistance to Java developers of all levels. This book focuses on a variety of topics; it provides a concise explanation of Java's introduction, benefits, characteristics, and examines why Java is so essential. Mastering Java also includes installation advice and information on the many components that make Java work, such as Object-Oriented Programming, Strings, Collections, Packages, and Databases. Mastering Java will always be a helpful resource for both intermediate learners and skilled personnel. Learn more about our other Mastering titles at: <https://www.routledge.com/Mastering-Computer-Science/book-series/MCS>

Constructing and Covering Boxes

A Beginner's Guide *Schiffer Pub Limited*

Learn all the steps necessary to make a variety of colorful, decorative, useful boxes created from book board and covered with book cloth or paper, serving a variety of purposes for use in the home or as gifts. Over 230 clear color photos illustrate every step needed to make hinged lid, clamshell, and creative boxes. Necessary tools and materials are discussed and essential formulas are provided for each box type discussed. Basic skills necessary for the successful production of any box are also explored, including determining grain direction, pattern layout, cutting materials, covering book board with paper or book cloth, and gluing. Also provided are box making resources, a useful glossary of terms, and an appendix featuring measurement conversions. This book will be a joy for anyone interested in beautiful box construction.

Spellcrafting

A Beginner's Guide to Creating and Casting Effective Spells *Weiser Books*

A practical and accessible guide with everything you need to know to craft and cast spells that really work. A spell, which some refer to as a Witch's prayer, is something nearly anyone can learn. One does not need to be initiated into any mystery cults, swear an oath of dedication to any god or goddess, denounce or convert to any religion, or even wear the label of a Witch or Wiccan in order to be a spell crafter. But among the things that are required, the most important ones are an open mind, true desire, and the will, patience, self-conviction, and courage to follow what is within one's heart, and the maturity to take

responsibility for one's own actions. Once you gain an understanding of how magickal energy works and learn the secrets to casting spells, you will be able to tap into your inner powers, focus, and direct them utilizing simple items found in the average home or easily purchased at the nearest occult shop. In fact, many of the herbs and other ingredients called for in spells can be found right in your very own kitchen! The casting of spells is an ancient art that has played an important role in many of the cultures and religions throughout the world. This book is designed to be a guide to the history, philosophy, ethics, and practical application of spell crafting. Written with the novice-to-intermediate student in mind, it covers all areas of folk magick in an explorative and unbiased manner.

How to Draw Anime

Beginner's Guide to Creating Anime Art Learn to Draw and Design Characters Everything You Need to Start Drawing Right Away Anime and Manga Art for Beginners.

Does your child, tween, or teen love Anime and drawing Anime? This book will teach them in an easy way how to draw Anime of all kinds. It starts with the basics and teaches them step by step the process of drawing Anime in a fun way. This book will teach your child how to draw, step by step, with the easiest approach possible...by using simple shapes. Each tutorial makes learning how to draw Anime as simple as possible. Joseph Stevenson has been teaching kids how to draw for almost ten years now, and his drawing techniques really work! With this no-tears strategy, learning how to draw is fun for children as young as 5 years old, but also works for adults and teens. Learning to draw Anime is fun for kids, but even more fun when it comes easy to them.

The Beginner's Guide to Tiny Houses

What You Need to Know about 400-Square-Foot Living *Rockridge Press*

Discover why tiny houses are such a big deal Welcome to the tiny house movement! This guide is the ideal introduction for the true beginner. Learn the history of the modern tiny house movement, get a breakdown of tiny house styles, and meet the passionate tiny house community with profiles of pioneers and their tiny homes. The book also discusses the pros and cons of micro living--is a tiny house right for you, right now? Take the self-evaluation quiz in chapter two and find out. Then, dive into the range of tiny house options and must-knows before taking the plunge. Benefits of downsizing--Find out how tiny houses are better for the environment, cheaper to maintain, and even meet housing shortages. Find a match--Fall in love with a tiny house that fits your style--from simple, stationary A-frames to creative tiny houses on wheels (or THOWs), all less than 400 sq ft. More to explore--The comprehensive resource section will help you dig deeper into tiny house construction options, off-grid living, and the art of downsizing. Learn about living large in the tiny house of your dreams!

A Beginner's Guide to Scala, Object Orientation and Functional Programming *Springer*

Scala is now an established programming language developed by Martin Oderskey and his team at the EPFL. The name Scala is derived from Sca(lable) La(nguage). Scala is a multi-paradigm language, incorporating object oriented approaches with functional programming. Although some familiarity with standard computing concepts is assumed (such as the idea of compiling a program and executing this compiled from etc.) and with basic procedural language concepts (such as variables and allocation of

values to these variables) the early chapters of the book do not assume any familiarity with object orientation nor with functional programming. These chapters also step through other concepts with which the reader may not be familiar (such as list processing). From this background, the book provides a practical introduction to both object and functional approaches using Scala. These concepts are introduced through practical experience taking the reader beyond the level of the language syntax to the philosophy and practice of object oriented development and functional programming. Students and those actively involved in the software industry will find this comprehensive introduction to Scala invaluable.

Shipping Container Homes

Beginners Guide to Building Your Own Container Home - Includes Plans and Designs *Createspace Independent Publishing Platform*

Discover how to own the house of your dreams without being bogged down by a mortgage payment. With the design plans and diagrams that are provided for you in this book, you'll be able to consider yourself an amateur expert on this subject in no time. You will also benefit from chapters on how to weatherproof your home, and interior design methods for shipping container homes. You'll also learn about the different types of shipping containers so that you can find the perfect one to fit your individual style and preference. Included inside the book: * The history of the shipping container and its typical dimensions * Tips on how to decide which type of shipping container home is best for you * How to transport your shipping container and other cost considerations * Interior design tips that other container home builders have used before you * Ways to add space to your home Once you've converted it into a living space * Additional resources that can guide you towards even more depth information * And much more, including Insulation, Maintenance, Decorating, Exterior protection

The Basics of Corset Building

A Handbook for Beginners *St. Martin's Griffin*

Think of a corset as a blank canvas. Linda Sparks' *The Basics of Corset Building: A Handbook for Beginners* is a comprehensive guide to building your first corset, including: Section One: Tools and Materials for Corset Building Discusses the tools you'll need, plus types of steel, plastic, and textiles. Section Two: Building a Corset Everything you need to know about working with bones and busks, setting grommets and eyelets, and creating a beautifully finished corset. Section Three: Construction Techniques Covers all the steps, including making a modesty panel, making a mock-up, and building single layer, double layer, and fashion fabric corsets. Section Four: Alterations and Fit Discusses commercial corset patterns, as well as how to fit and style a corset for exactly the look you want.

Shipping Container Homes

The Complete Step-by-Step Guide for Beginners to Building Your Homemade Eco-Friendly Home, Including Plans, the Best Techniques, FAQs, and More to Make It a Masterpiece.

You already own a house, and you want a cheaper one to put where you want? You can't buy a house because the prices are too high and you don't know how to do? You like to create things with your own hands, and you want to build something solid and to last that you can exploit together with your family? Shipping

Container Homes is an interesting option if you look for a low-cost turnkey solution with good indoor and outdoor quality standards. Combining the modules guarantees the construction of housing structures of different sizes built very quickly and respecting the environment. Shipping Container Homes have huge advantages compared to traditional ones. The quality, the time required for construction, and flexibility are higher than those of a classic solution. In addition to that, a container home costs 20 to 30 % less. All without the comfort being questioned. This complete guide will help you building your brand-new Shipping Container Home from scratch, starting from the project up to the finished product, step-by-step and easily. In this book, you will discover: Why Choose a Shipping Container Home; take a look at all the benefits you can get from building your new home in a container, starting from the cheaper costs to construction speed and eco-sustainability. How to Start the Project, helping you choose the desired location, budgeting, size, water access, type of soil, and whatever it takes to build it. Useful Advice and Practical Solutions to Problems that can arise building a container home, such as the walls' thermal insulation to prevent moisture and mold. The Rules to be Obeyed in terms of permits needed to build this type of house to ensure that you are following the law and not accused of building abuse. How to Properly Cool And Heat The Container Home. Containers are large steel boxes, and for this, they absorb and transmit heat and cold very well. This means that controlling the temperature inside your home can be a challenge. You don't want to live in an oven or a freezer. ... & Lot More! Thanks to recycling these containers and converting them into real housing units, it is possible to eliminate a large amount of waste and, at the same time, realize interesting projects of sustainable architecture. In this book, you will know anything about container homes, including where to buy your containers cheaply, how to plan the design of your container home, what contractors to hire, and a step-by-step guide to the actual building process! Order Your Copy Now and Start Building Your Homemade House Today!

Prop Building for Beginners

Twenty Props for Stage and Screen *Routledge*

Prop Building for Beginners outlines the basic concepts of prop building by featuring step-by-step instructions to create twenty of the most commonly featured items in theatrical and filmed productions. This book uses a combination of projects to expose readers to a wide range of materials and tools that they might find in a basic scenery or costume shop, serving both as a guide to building simple props and as a crash course in the variety of items a props person may have to build. The projects require a variety of tools, techniques, and materials so that a practitioner who completes all of them will have received a complete introduction to the basics of prop building. Assuming no previous knowledge of prop building, this is the perfect primer for students, hobbyists, or community theater enthusiasts looking to enter the prop shop. Prop Building for Beginners includes access to full-scale printable versions of the patterns featured in the book.

Simple Knifemaking

A Beginner's Guide to Building Knives with Basic Tools *Createspace Independent Publishing Platform*

An manual of over 400 photos with text which illustrate the knife making process. The author encourages learning the basic skills of working old knives and tools into finished blades. He includes the hardening and tempering blades by building your own charcoal or propane forge using common materials.

Dirty Teaching *Crown House Publishing*

Juliet Robertson offers tips and tricks to help any teacher develop variety in their teaching. One of the keys to a happy and creative classroom is getting out of it and this book will give you the confidence to do it. It contains a wealth of ideas from cheat

sheets to activities that allow teachers and parents to encourage outdoor learning and improve student participation. There is no need for expensive tools or complicated technologies; all you need is your coat and a passion for learning - oh, and you'd better bring the kids too