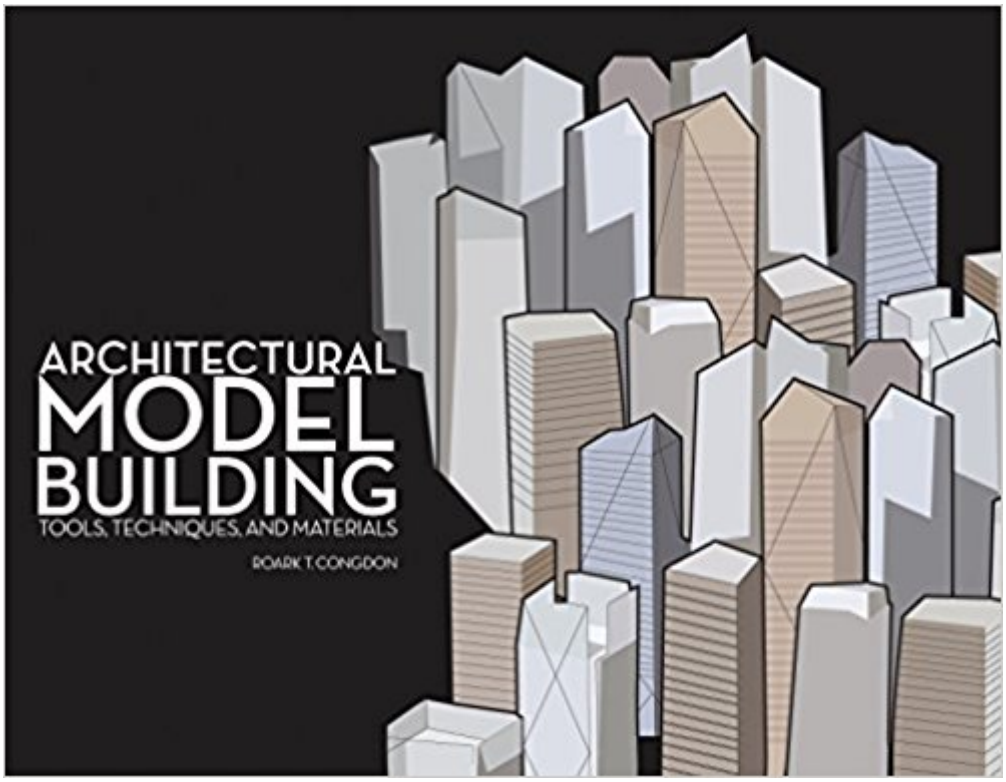
Architectural Model Building: Tools, Techniques, And Materials



Synopsis

Advances in computer-aided design have proven to be an invaluable tool for the architect and designer, yet Frank Gehry still begins his creative process by making "simple" models out of modest materials. Drawings and video, while an essential part of the design process, are still not substitutes for the tactile sensation one receives from a scale model. Drawing on 20 years experience in art and architecture, the author has developed this book on model making as it applies to students and professionals of the built environment. More than 300 photographs illustrate a multitude of techniques and the use of a wide variety of materials, providing a solid foundation for students and professionals to create and enjoy three-dimensional model making for interior design, architecture, landscape architecture, furniture design, theatrical design, and retail merchandising.

Book Information

Paperback: 356 pages

Publisher: Fairchild Books; 1 edition (April 2, 2010)

Language: English

ISBN-10: 1563677733

ISBN-13: 978-1563677731

Product Dimensions: 11 x 0.3 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

Average Customer Review: 3.6 out of 5 stars 6 customer reviews

Best Sellers Rank: #1,069,267 in Books (See Top 100 in Books) #70 inÂ Books > Arts & Photography > Fashion > Models #514 inÂ Books > Crafts, Hobbies & Home > Crafts & Hobbies > Toys & Models > Models #1511 inÂ Books > Arts & Photography > Architecture > Interior Design

Customer Reviews

Roark T. Congdon is a professor of studio and history courses at the International Academy of Design and Technology in Seattle and has taught model building, sculpture, drawing, history, and design at the university and high school levels in both in the US and China for over 15 years.

I had recently took a model building class at my local community college and really didn’t learn very much. I then purchased this book for a class I am taking now after tranfering to a University. I have learned more after only a couple hours of reading this book than I did from an entire semester at the community college. I was very frustrated, but now feel like I have been able to gain a real grasp on certain elements such as planning, understanding what type of adhesives to use and when, and

how to properly cut and contruct compelx shapes such as curves, and odly pitched roofs. We had models do in class last week, most of the other student models had ragged edges and sloppy glue jobs. The professional look and cleanliness of my model stood out so much so that my professor actually used it as an example to the class on how to build a proper model. I couldn't believe it. After struggling so much with my previous class in community college, despite really making an effort and doing all the required reading, I was very nervous about spending the money for this book. I could not have made a better purchase. This book has really helped give me confidence and the believe in myself that I can succeed and do well in this field. To anyone starting out in architexture school this book is a must have.

The text of this books is an excellent introduction and step-by-step guide to building models. It defines the different types of models and explains when each one is appropriate. It describes different types of materials and explains how to use them. It provides advice on setting up a workspace, and guides students through the entire model-making process, from planning to adding material finishes. A final chapter discusses entourage - the elements that provide scale, such as people and trees. The text is clear and concise. It assumes no prior knowledge and takes readers from the basic elements through more advanced techniques and more difficult materials.The illustrations, however, are not equal to the text. With the exception of 6 pages of beautiful, glossy, full-color photographs in the middle, all the illustrations are black-and-white photographs. The b&w photographs are not particularly crisp, and the contrast isn't very high. The quality is barely adequate to the task of illustrating a particular type of model or step in the building process. In many instances, a simple b&w line drawing would have been much clearer.If this were an inexpensive book, I would happily forgive the mediocre illustrations, but at the list price, I think the illustrations should be better than the ones I take with my cell phone.

I had to buy this book for a class. It is awesome for beginners! A couple of upperclassmen have been looking through it and think it is super helpful for them even though they have already been making models for a couple years. It is the most helpful art type textbook I have ever read. I have only had it a couple weeks, but I have learned proper cutting, gluing, and even how to perfectly curve mattboard and foam core without denting it. Instead of just talking about tools and stuff, this book actually explains the right way to use them, and what tools should be used for different materials. One of the best parts of the book is where it explains common mistakes model makers make, and how to avoid them. Lots of step by step instructions and pictures for every technique.

some of the pictures are a little blurry though, it would be nice if they were clearer, but if you read the instructions and look at the pictures you will learn a ton!

This is a logically concieved and well written text. The processes are very clearly described, and have accompanying illustrations. It could be printed a little nicer though. If you want to know how to work with paper, museum board, cardboard, foam core, balsa wood, or acrylic, this book simply cannot be beat. I have several books on model making, and although many cover the same processes, none describe them so clearly as this one. There are also great sections that describe common errors. I like the fact that I don't really need to read the entire book. Any material you want to work with, just read that chapter, and it has all the info on how to work with it, great for students that don't have the time or energy to learn everything before starting a project. The chapter on foam core/foam board is really helpful, it shows you how to curve it, cut it, and how to work with a bunch of foam board specific tools that I never knew existed. I really enjoyed the chapter on how to plan a model, definitely make sure you read that one before just starting a model.

This book is exactly what an undergrad student needs. I took a class on model making at my school, it was based on this book. Each chapter has assignments. This book gives really, really, clear instructions that are easy to understand. Some of the step by step images are a little small, and the quality of the paper the book is printed on doesn't help matters any, but if you read the instructions and look at the pics, it is amazing how much you can learn. This book starts from the basics, and has clear, step by step instructions. one of my favorite parts of the book is the the blurbs that talks about common errors, you could always tell the students that didn't do the required reading, because they made the mistakes that they warn you about in the book. I read another review that talked about how much this book costs, they said the average model is way more than the cost of this book, and this is a good way to save time and money down the road. After watching the kids that didn't use the book in class, I felt that my using it was like an insurance policy that paid off on lots of occassions.

Design Made Easy: The Simple Guide to Designing R/C Model Aircraft or Build Your Own Radio Control Flying Model Plane The Tools & Techniques of Employee Benefit and Retirement Planning (Tools and Techniques of Employee Benefit and Retirement Planning) Tools & Techniques of Employee Benefit and Retirement Planning, 11th ed. (Tools and Techniques of Employee Benefit and Retirement Planning) The Tools & Techniques of Financial Planning, 10th Edition (Tools and Techniques of Financial Planning) Architectural Drawing Course: Tools and Techniques for 2D and 3D Representation Earthbag Building: The Tools, Tricks and Techniques (Natural Building Series) The Wonderful World of Model Trains: A Beginner's Guide to Building Your Own Model Railways and Creating Stunning Sceneries & Layouts Designing & Building Multi-Deck Model Railroads (Model Railroader) Building a Model Railroad Step by Step (Model Railroader's How-To Guides) Scale Model Life: Building Scale Model Kits Magazine (Volume 2) The Oil Painting Book: Materials and Techniques for Today's Artist (Watson-Guptill Materials and Techniques) Architectural Graphic Standards (Ramsey/Sleeper Architectural Graphic Standards Series) Architectural Graphic Standards: Student Edition (Ramsey/Sleeper Architectural Graphic Standards Series) by Charles George Ramsey (Student Edition, 28 Mar 2008) Paperback Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) The Complete Guide to Building Classic Barns, Fences, Storage Sheds, Animal Pens, Outbuildings, Greenhouses, Farm Equipment, & Tools: A Step-by-Step ... (Back-To-Basics) (Back to Basics: Building) Career Building Through Using Digital Design Tools (Digital Career Building)