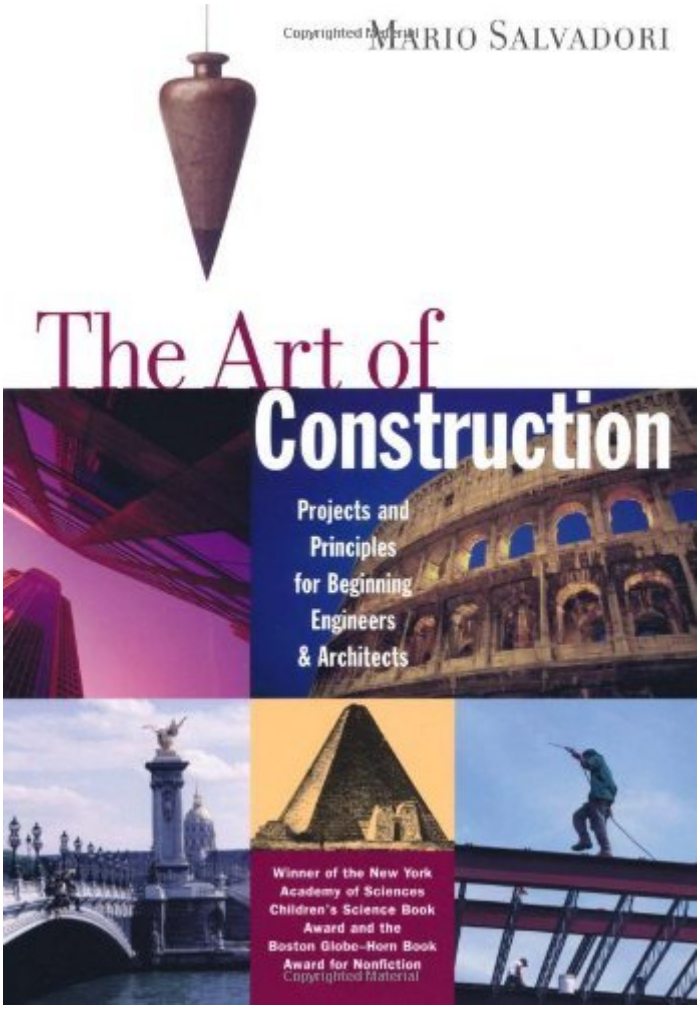
The Art Of Construction: Projects And Principles For Beginning Engineers & Architects (Ziggurat Book)



Synopsis

â œIntroduces maturing minds to the principles that guide architects and engineers as they design and construct buildings and bridges.â • â ”School Shop

Book Information

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Customer Reviews

A dear friend gave me this book for my ninth birthday back in 1990. Today, I am a structural engineering associate with a major forensic engineering firm, and I know that much of my fascination with the field began with Salvadori’s riveting explanations of the basic principles of structural design. This book is incredible for any kid with any scientific inclination!

For a person who wonders why a bridge is shaped the way it is, or why buildings lean and don’t fall, this is an ideal introduction. Useful for anyone interested in structures (e.g. model railroad truss work, furniture design, etc.) and would be very good for a student interested in civil or construction engineering as a future career.

i love this book! it truly explains why buildings behave the way they do and why they are built the

way they are. it takes complicated engineeriing and makes it simple, very simple. every principle has an easy to follow sketch and example. this book is a must for architects, engineers, builders or anyone who wants to go behind the scenes and understand the 'why' of buildings. many of the principles and examples only apply to large scale commercial projects like high rises and bridges, so it may not be pertinent for the home builder, but i'd still recommend it. i love to understand why i build houses a certain way. this book explains basic building principles.

I am a junior in high school, and I thought this book might be too kiddish to be helpful. It was exactly the opposite. It took complex principles and simplified them to a point that was understandable, but not too childish. Awesome book.

My 12 year-old son has a love of architecture and design so we purchased this book as a supplement to his homeschooling studies. It contains many physics and engineering principles but is written in such a way as to hold a child's interest. It has simple model building activities to make that demonstrate the topic of each chapter.

I've been rereading this lately. This morning I showed everybody in the restaurant where I was eating the book saying, "if this had been around when I was in middle school or junior high, I expect that I would be an architect or structural engineer now.

I am a middle school Tech Ed teacher and my media specialist just got this book in for my 8th graders, who are building bridges. I have read it and found it to be at a perfect reading level for students. It includes wonderfully simple illustrations with great information. In spite of its publishing age, everything in it (save for a couple of references to "tallest" buildings, etc.) is still true and useful. Salvadori does a great job of simplifying the explanations, yet keeping the information at a usefully academic level. I highly recommend it to anyone from middle school through high school.

I purchased this book for my 10 year old son who wants to be an engineer or architect. This book is a fabulous introduction to the principles of architecture/engineering. It includes both principles and hands on projects to demonstrate the principles. What a great way to get (or keep) children interested in math/science. I highly recommend it!

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Book) The Pocket Universal Principles of Design: 150 Essential Tools for Architects, Artists, Designers, Developers, Engineers, Inventors, and Makers Physics for Scientists and Engineers, Vol. 1: Mechanics, Oscillations and Waves, Thermodynamics (Physics for Scientists & Engineers, Chapters 1-21) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Women of Steel and Stone: 22 Inspirational Architects, Engineers, and Landscape Designers (Women of Action) IMAGINE DESIGN CREATE: How Designers, Architects, and Engineers Are Changing Our World Minecraft: Minecraft Creations Handbook: The Ultimate Minecraft Construction Book. Best Minecraft Construction and Building Book (mincraft secrets, minecraft handbook, minecraft construction) Drawing for Landscape Architects: Construction and Design Manual Selldorf Architects: Portfolio and Projects DIY Wood Pallet Projects: 33 Amazingly Creative Upcycling Projects & Ideas for Decorating, Refreshing and Personalizing Your Space! (DIY Household Hacks, DIY Projects, Woodworking) DIY Wood Pallet Projects: 23 Creative Wood Pallet Projects That Are Easy To Make And Sell! (DIY Household Hacks, DIY Projects, Woodworking) The Beginning Band Fun Book's FUNsembles: Book of Easy Duets (French Horn): for Beginning Band Students The Beginning Band Fun Book's FUNsembles: Book of Easy Duets (Trombone): for Beginning Band Students The Beginning Band Fun Book's FUNsembles: Book of Easy Duets (Alto Saxophone): for Beginning Band Students The Construction Project Management Success Guide: Everything You Need To Know About Construction Contracts, Estimating, Planning and Scheduling, Skills to Manage Trades and Home Renovations The Construction Project Management Success Guide, 3rd Edition: Everything You Need to Know About Construction Contracts, Estimating, Planning and Scheduling Smith, Currie and Hancock's Common Sense Construction Law: A Practical Guide for the Construction Professional Beginning HTML with CSS and XHTML: Modern Guide and Reference (Beginning: from Novice to Professional) The Construction MBA: Practical Approaches to Construction Contracting National Construction Estimator 2013 (National Construction Estimator (W/CD))