

Building Science Graphics: An Illustrated Guide to Communicating Science through Diagrams and Visualizations

is a practical guide for anyone—regardless of previous design experience and preferred drawing tools—interested in creating scientific illustrated explanatory diagrams. Starting with a clear introduction to the concept of information graphics and their role in contemporary science communication, it then outlines a process for creating graphics using evidence-based design strategies. The heart of the book is composed of two step-by-step graphical worksheets, designed to help jumpstart any new project. This is both a textbook and a practical reference for anyone that needs to convey scientific information in an illustrated form for articles, poster presentations, slide shows, press releases, blog posts, social media posts, and beyond.

www.BuildingScienceGraphics.com

Jen Christiansen is a senior graphics editor at *Scientific American*, where she art directs and produces illustrated information graphics and data visualizations. She writes and presents on topics ranging from reconciling her love for art and science, to her quest to learn more about the pulsar chart on Joy Division's *Unknown Pleasures* album cover.

“This beautifully illustrated book is like a Swiss army knife—all the necessary tools of the trade are there and they fit together seamlessly. Communicating science visually has unique challenges and considerations, which makes this book a must-read for creators of science visuals. The step-by-step approach is accessible to all levels, from students to researchers to professional artists and designers.”

—Kelly Krause, Creative Director, *Nature*

“Much like a successful science graphic, *Building Science Graphics* delivers compelling information on many different levels. From quick tips to deep dives, Christiansen shares well researched, clear examples, as well as actionable workflows and memorable anecdotes from her career. A great read and valuable resource for designers and researchers alike.”

—Beth Rakouskas, Creative Director, *Science*

“Whenever Jen Christiansen was the art director for an article I was editing, I knew that no matter how imposing the illustrative challenge, she would find a visually stunning way to bring it to glorious, lucid life. In her hands, explanatory illustrations sing out a tale of discovery, one that inspires with the grace and elegance of its comprehension. With this marvelous book, Jen generously shares her approach to beautiful, informative design, and it does something I once wouldn't have imagined was possible: It makes me appreciate and love her work even more.”

—John Rennie,

Deputy Editor, *Quanta Magazine*;
Former Editor-in-Chief, *Scientific American*;
Adjunct Instructor, Arthur L. Carter
Journalism Institute, New York University

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