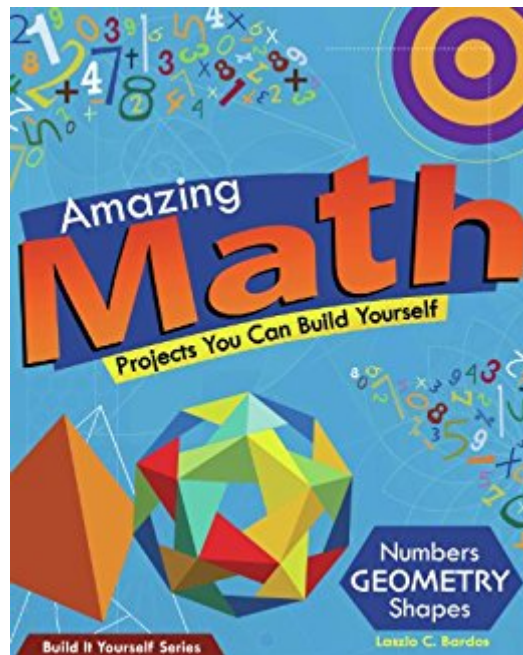


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# Amazing Math Projects You Can Build Yourself (Build It Yourself Series)



## Synopsis

From prime numbers to paraboloids, this collection of projects proves that learning mathematics can still be fun. Introducing children to the beauty and wonder of the subject through hands-on activities, this guide demonstrates how to construct a geodesic dome big enough for a person to sit in, solve the world's hardest two-piece puzzle, pass a straight line through a curved slot, and amaze others with the mysterious Möbius strip. Emphasizing how mathematics can be encountered in daily life, this intriguing reference highlights the hidden patterns in snowflakes, soap bubbles, and even the graceful curves of the Golden Gate Bridge. Touching on number patterns, lines, curves, and shapes, each activity includes engaging facts, vocabulary builders, and connections to other topics. With a companion website featuring video instructions for several projects as well as additional activities, this educational exploration turns the art of numbers into an adventure for all.

## Book Information

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## Customer Reviews

Reviewed by: Kris Quinn Christopherson  
Synopsis: From prime numbers to paraboloids, *Amazing Math Projects You Can Build Yourself* introduces readers to the beauty and wonder of math through hands-on activities including projects about number patterns, lines, curves, and shapes. Learning

through examples of how we encounter math in our daily lives, children will marvel at the mathematical patterns in snowflakes and discover the graceful curves in the Golden Gate Bridge. Readers will never look at soap bubbles the same way again. A companion website includes video instructions for many projects in the book and provides additional activities. Overall thoughts: Math was not my favorite, nor my best, subject in school, so I was a bit apprehensive about reading this book. However, it was an interesting read and allowed this hesitant math student to enjoy the idea of making a geodesic dome big enough to sit in. The book jumped right into the simplest arithmetic and moved its way to higher mathematical concepts. Filled with illustrations, 'did you know' blurbs, and 'words 2 know', it allows even the mathematical novice to be engaged in the concepts. I appreciated that the projects were written in clear and easy-to-understand formats, and included supply lists with on-hand items to implement concepts such as the Pythagorean Theorem and platonic solids. With this book, you can definitely build projects to enhance your math skills and classes if enrolled in school, but it is not a text book.

This book is a wonderful way to teach your children about the world of geometry, and have fun in the process. I've purchased three of these books. Two are gifts but one is for this grandma to share with the young people in my life.

This book is intended to kids ages 9 and up and my 10 year old was interested in the book right away. We both loved the hands-on learning activities that are used in really creative ways. The activity used to teach multiplying fraction was especially helpful in helping my daughter to understand the concept of fractions. Many of the projects in Amazing Math Projects You Can Build Yourself seem more like games than learning, which is what makes this group of projects so much fun that your child will love completing them! There is also a companion website [...]that includes video instructions for some of the projects as well as additional activities. Great addition to your child's home library!

I purchased this book a month ago and have already used two of the projects in class--Tetrahedral kites and the Geodesic dome. My students loved them! The materials required for each are inexpensive and easily purchased. Students had little difficulty completing the projects, though they needed a bit of help following the construction directions for the dome. Construction and assembly took approximately 1.5 hours. Nearly all students asked to sit inside the dome. We clipped the 7th and 8th graders' domes together to make a sphere approximately 5 feet tall. Several other projects

in the book look stimulating and interesting to make (bubble patterns, abacus). I look forward to trying them with students. I gave this book only 4 stars because many of the projects in this book are things I've already learned from other sources. However, a new teacher might benefit from reading them.

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