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# Kitchen Science Lab For Kids: 52 Family Friendly Experiments From The Pantry (Hands-On Family)



## Synopsis

At-home science provides an environment for freedom, creativity and invention that is not always possible in a school setting. In your own kitchen, it's simple, inexpensive, and fun to whip up a number of amazing science experiments using everyday ingredients. Science can be as easy as baking. Hands-On Family: Kitchen Science Lab for Kids offers 52 fun science activities for families to do together. The experiments can be used as individual projects, for parties, or as educational activities groups. Kitchen Science Lab for Kids will tempt families to cook up some physics, chemistry and biology in their own kitchens and back yards. Many of the experiments are safe enough for toddlers and exciting enough for older kids, so families can discover the joy of science together.

## Book Information

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## Customer Reviews

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The Kitchen Science Lab is a wonderful resource for any parent who is looking for a way to

introduce science and crafting to their children. The 52 projects in the book are broken down into Sections. The projects in each section are between 3 to 6. Here is a list of the sections: Unit 1- Carbonated Chemical Reactions Unit 2 Crystal Creations Unit 3 Physics in Motion Unit 4 Life Science Unit 5 Astonishing Liquids Unit 6 Polymers, Colloids & Misbehaving Materials Unit 7 Acids & Bases Unit 8 Marvelous Microbiology Unit 9 Shocking Science Unit 10 Bodacious Botany Unit 11 Sunny Science Unit 12 Rocket Science

The projects are so much fun. For example, in the section called "Acids and Bases" which has a fun project called "Acid Oceanification Experiment" that teaches the children how to visualize acidification by carbon dioxide. It is an easy to follow experiment that teaches simple science in a fun participatory manner. Additionally, Each Section is color-coded and that informs the reader about Protocols, the Science behind the experiment, as well as step-by-step instructions on how to do the experiment. I was also grateful that the author included Safety tips with each experiment. As a parent who homeschools, I think this book is a great way for kids to enjoy science through some fun and easy experiments.

Yesterday I was surprised with an early Christmas gift, a big white envelope with local Minnesota scientist and mom Liz Heinecke's brand new book Kitchen Science Lab for Kids: 52 Family-Friendly Experiments Around the house. I enjoyed meeting Liz on the Twin Cities Live set back in June and loved her easy to make experiments and nature studies featured during her segment. As soon as I ripped open the envelope and started reading the book I knew the 52 experiments designed to be easy enough for a 2 year-old to help and interesting enough for a teen to learn would be incorporated a weekly science day into our alphabet-obsessed lives. Liz has pulled together manageable and yet totally fun experiments including chemical reactions, physics, life science, polymers, botany, microbiology, electricity, and even rocket science. This book would make a perfect birthday or even teacher gift. Liz is a former research scientist who has turned her love of science into a source of inspiration for not only her children and their friends but for readers of her Kitchen Pantry Scientist blog, her KidScience app, KARE 11 Sunrise News (she was on this morning!), and even served as an Earth Ambassador for NASA. I highly recommend purchasing this book for your family.

The author is a mother of three children . She used her knowledge and creativity to write a book full of wonderful experiments using household items or items easy to locate. Even her youngest child was able to participate in the experiments. Her oldest child used the experiments to think more critically and analytically. Some of the experiments can be performed inside and some need to be

done outside. Liz Lee Heinecke made sure every "lab" listed the materials needed, safety tips and hints, protocol or steps, the science behind the experiment, and a creative enrichment question or activity. One of my favorite "labs" was called FRANKENWORMS. I can see my girls loving this one. You and your child will use baking soda and vinegar to bring to "life" the gummy worms candy. So many easy family friendly experiments. Maybe you will consider putting aside a day in which the entire family participates in one of the experiments together. Sounds like fun to me! \*I received this for review - all opinions are my own\*

This is a fantastic book that finds a great balance between fun and learning. The clear explanation of the science involved and the fun of the projects balance each other out without overshadowing each other. That said, we have only done a handful of the experiments, as my children are still young. I expect this will start getting heavy use when my older son reaches 8 or 9.

This book is the perfect guide for anyone wanting to introduce children to fun science experiments. My 3 year old daughter loves this book. So far her favorite one was the "Rock Candy" experiment. She loved checking on them daily, and of course getting to eat it at the end. This book has really easy to follow directions and awesome pictures. I also like that a lot of the ingredients are items you can already find in your house. I highly recommend this wonderful book.

I homeschool my children. My 6 year has been begging to do science experiments. I was browsing and ran across Kitchen Science Lab for Kids and bought it because the reviews were good. Even though we have not completed the first experiment, I am impressed with the book for several reasons. 1. The book is divided into units, with a few experiments per unit. I like this because it allows you, the parent, to review the same concept a few weeks in row. 2. Each unit begins with a simple explanation, which is helpful for explaining the unit to your child. 3. Each experiment in the book has fun pictures. 4. The author encourages the child to keep a science journal. 5. The supplies can all be found on your weekly grocery or Target trip. I am looking forward to beginning our experiments. I really think my children will learn a lot through the hands on experiments and summarizing their findings in a journal.

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