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# Kitchen Science Lab For Kids: 52 Family Friendly Experiments From Around The House (Lab Series)



## 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. It's the perfect resource for Girl Scout Brownies looking to earn their Home Scientist badges! 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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Average Customer Review: 4.8 out of 5 stars [See all reviews](#) (86 customer reviews)

Best Sellers Rank: #11,106 in Books (See Top 100 in Books) #3 in [Books > Children's Books > Geography & Cultures > Where We Live > House & Home](#) #4 in [Books > Crafts, Hobbies & Home > Crafts & Hobbies > Mixed-Media](#) #11 in [Books > Children's Books > Science, Nature & How It Works > Experiments & Projects](#)

Age Range: 8 - 12 years

Grade Level: 2 - 5

## Customer Reviews

Tie-Dye Milk [View larger](#) [View larger](#) shallow dish or plate small cup or bowl milk dishwashing liquid or liquid hand soap cotton swabs liquid food coloring Kitchen Science Lab for Kids: Tie-Dye Milk You'll be amazed as you watch the forces of surface tension at work in this colorful experiment. Imagine that surface of liquids is a stretched elastic skin, like the surface of a balloon full of air. The scientific name for the way the "skin" of a liquid

holds together is surface tension. When the skin of the liquid is broken by detergent, food coloring and milk move and swirl around in interesting patterns on the milk's surface. Step 1: Add enough milk to cover the bottom of the dish. The experiment works best with a thin layer of milk. Step 2: In the small cup or bowl, mix together three teaspoons of water and one teaspoon of liquid dish detergent or liquid hand soap. Some detergents may work better than others. Step 3: Put several drops of different colored food coloring into the milk. Space them out in the milk so you can see what happens when you break the surface tension. Step 4: Dip a cotton swab into the dish-soap mixture and then touch the wet swab to the milk. Don't stir! The detergent will break the surface tension of the milk and the food coloring will swirl around as if by magic. Step 5: You can keep re-wetting your cotton swab with soapy water and touching it to the milk. Sometimes it works to touch the swab to the bottom of the plate and hold it there for a few seconds.

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