

# Weird Science

Do you love conducting experiments? Are you fascinated by odd and weird things? Bring out your inner mad scientist while you experiment with weird science and earn this fun patch!

How to earn the Weird Science patch the Girl Scout way:

## Steps:

1. **Discover**—Research weird science experiments you can do at home.
2. **Connect**—Get weird and start experimenting.
3. **Take Action**—Share your experiments with your family and friends.

## Materials Needed:

In order to complete this patch, you'll need:

- **Resources**—You can go online with an adult, ask a professional, or visit your public library.
- Other materials based on your selected activity (See Step 2.)

## STEP

# 1 Research weird science experiments you can do at home.

Research what you need to do a weird science experiment at home by completing at least one of the following:

- Visit a science museum and ask an expert about weird science.
- Go to the library and find books on weird science.
- Talk to a science teacher or scientist.

## STEP

# 2 Get weird and start experimenting.

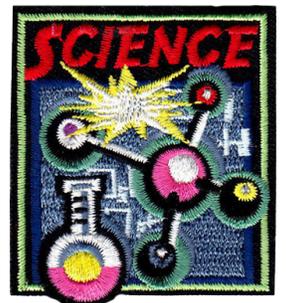
Keep a notebook of your experiments and results. Before you conduct your experiment, write down what you think will happen, log your observations, and wrap it all up with a conclusion. Here are some ideas to get you started.

- **Bouncy egg:** Do you think you can make a raw egg bounce? Try putting a raw egg in a cup, cover it completely with vinegar and let it sit for 24 hours. What happens? Why did it happen?
- **Tye-Dye Milk:** Fill a pie pan or shallow bowl with an inch of milk. Add one drop of red, yellow, green, and blue close to each other in the center of the pan. Use a cotton swab and put a few drops of dish soap on one end. Take that end and hold it in the middle of the milk for about ten seconds. Did anything change? What caused the change?
- **Homemade lava lamp:** Get a clear glass or empty water bottle. Fill it 3/4 full with vegetable or baby oil. Fill the rest with water. Add about 10 drops of food coloring. Break an Alka-Seltzer tablet into four pieces and drop them in. What happens when you mix oil and water?

## STEP 3

### Share your experiments with family and friends.

- Get your friends and family excited about weird science by sharing your experiments.
- Invite family over to have a weird science show.
- Invite friends to work on the experiments with you.



**All done? CONGRATULATIONS!** You've completed all the necessary steps to earn the *Weird Science* fun patch.

After completing the activities from each step, visit or call a Girl Scouts Western Pennsylvania retail shop at **800-248-3355** to purchase your patch.\* A patch may be worn on the back of a vest, sash, or tunic.

*\*Patch shown may be substituted with similar patch, based on availability.*