



## GSHH Science Week

Enjoy a week of fun with at home science experiments! **With an adult's permission to use the internet and supervision** watch the videos with each experiment. Once you finish all 7 days you will earn the Home Scientist fun patch! If you are missing any of the items for an experiment, choose an experiment you find on your own and try it. Patches are \$1.25 each. Please email [jhanley@girlscoutshh.org](mailto:jhanley@girlscoutshh.org) to order!

### Monday: Grow Your Own Crystals

Items Needed:

- Food Coloring
- Epsom Salt
- Jar
- Spoon
- Water



<https://www.youtube.com/watch?v=23FtdwVog>

### Tuesday: Float or Sink?

Go around your house and look for 3 items you think will float, and 3 items you think will sink! Make a list of the items you think will float, and that will sink. Then fill a bowl or container with water and test out your theory! After placing each item in the water make sure to log what happens to see if your theory was right!



<https://www.youtube.com/watch?v=HCoDPhkE10c>

### Wednesday: Invisible Ink

Items Needed:

- Lemon Juice
- Paint brush or tooth pick
- Paper
- Candle or Hair Dryer

\* Adult supervision will be needed!\*



<https://youtu.be/e7bZdQYie1c>

### Thursday: Exploding Lunch Bag

Items Needed:

- One small (sandwich size) zip-lock bag - freezer bags work best.
- Baking soda
- Warm water
- Vinegar
- Measuring cup
- A tissue



[https://youtu.be/gwO0pd\\_1aA](https://youtu.be/gwO0pd_1aA)

### Friday: Shiny Penny

Items Needed:

- A few old (not shiny) pennies
- 1/4 cup white vinegar
- 1 teaspoon salt
- Non-metal bowl
- Paper towels

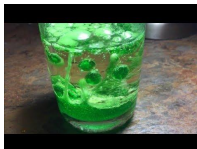


[https://youtu.be/uMPiFg\\_YM4](https://youtu.be/uMPiFg_YM4)

### Saturday: Lava in a Cup

Items Needed:

- Cup
- Cooking Oil
- Food Coloring
- Water
- Baking Soda



<https://youtu.be/B9QdMaOIVM>

### Sunday: Paper Airplane Challenge

Items Needed:

- 3 Pieces of paper

Try out these three designs for paper airplanes, mark a spot on the floor and throw each one from that location. Which one flew the farthest? Why do you think that is?



<https://youtu.be/7VvZ3iGszQ4>