



Project Exploration creates transformative learning opportunities for youth underrepresented in the sciences –particularly students of color and girls – by equipping them with the skills, practices, and mindset needed for a lifelong pursuit of learning. STEM@Home makes activities around science, technology, engineering, and math accessible and fun to do at home. This STEMbook activity, resources, and more are available at [www.projectexploration.org/stemathome](http://www.projectexploration.org/stemathome).

## In this activity, you will:

practice the scientific method while doing DIY crafts.



## Supplies Required:

- Internet access
- Pen and paper
- Various supplies depending on craft
- Camera

## Video

Learn about the scientific method and why it's used: <https://tinyurl.com/yd43c3bl>

## Overview

The scientific method is how scientists figure out answers to their questions. The scientific method is flexible and adaptable, which means you can change parts of it to fit your experiment. You can repeat steps or change the order of the steps if it helps you find the answer. Take a look at the diagram to see the steps of the scientific method.



## Instructions

1. Find a quick DIY craft video that you want to do! On Youtube, you can search "quick DIY craft."
2. Collect supplies for the craft.
3. The question you are answering is: will your craft turn out the same as the video?
4. Follow the steps in the scientific method from the previous page. On your paper, write down each step and what you think. For example, write down hypothesis and how you think your craft will turn out.
5. Once you've completed all the steps, share results and reflect! What would you do differently? What would you do the same? What was your favorite part?

## Additional Resources

1. Look at this YouTube Channel for DIY ideas: <https://tinyurl.com/y2vwzug4>

## Share It Out

**Share on social media:** Challenge your friends to complete the same craft! See if your results are same or different!

Use the hashtags:

#ScientificMethod  
#ProjectExploration  
#StemAtHome

**Share via PE's website:** Students who complete STEM@home activities and share what they learned with the PE team via our website will earn points which can be traded in for cash prizes at the Explore Store. Your project number is 219. Learn more at [www.projectexploration.org/explore-store](http://www.projectexploration.org/explore-store)

### Join PE's character contest!

Design a STEM character who will lead kids through activities and be featured on our website and in our STEMbooks. Cash prizes will be awarded to the top 3 finalists. Learn more at: [www.projectexploration.org/character-contest](http://www.projectexploration.org/character-contest).



Call or text us for help: 312-772-6634



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