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.

In this activity, you will:
learn about magnetism then conduct an experiment with slime.

Supplies Required:
- Graphic organizer
- Elmer’s Glue
- Synthetic Black Iron Oxide
- Liquid Starch
- Disposable Bowl
- Disposable plate
- Disposable gloves
- Neodymium magnet
- ¼ measuring cup
- Table Spoon

Video
Watch this video to learn about magnetism: https://youtu.be/yXCeuSiTDug
And this video to learn about the chemistry behind slime: https://youtu.be/yZBh_h894JA

Overview
Slime is created when we combine specific materials together and a chemical reaction happens. We will create not just slime, but magnetic slime using the steps of the scientific method: Problem, Hypothesis, Experiment, Analysis, and Conclusion. Then we can make the slime dance using magnets.
Instructions

1. **Problem** - What do we want to solve? What material out of all the provided materials will make the slime magnetic?
2. **Hypothesis** - Make a prediction about which material will be magnetic?
3. **Experiment** - Test it and make observations. Let's make some slime!
4. Place your plate on a flat surface. Into your disposable bowl pour ¼ of liquid starch.
5. Add two tablespoons of Iron Oxide into the bowl (**Be careful with the Iron Oxide because it can stain if spilled**).
6. Pour ¼ of a cup of elmer’s glue into the bowl.
7. Put on gloves (**hands will turn black because of the iron oxide**). Mix with your hands over the plate.
8. **Analysis** - Test your slime with the magnet. How does the slime react?
9. **Conclusion** - Was your hypothesis correct or incorrect?

Additional Resources


Share It Out

**Share on social media:** Take a picture of your slimy creations and share it! Talk about the power magnetism with a friend or family member. Be sure to use these tags.

#MagneticSlime
#ProjectExploration
#STEMatHome

For more activities like this one, go to [www.projectexploration.org/stemhome](http://www.projectexploration.org/stemhome). If you're interested in learning more about Project Exploration and our free events, programs, and activities, please find us on social media and be sure to follow!