

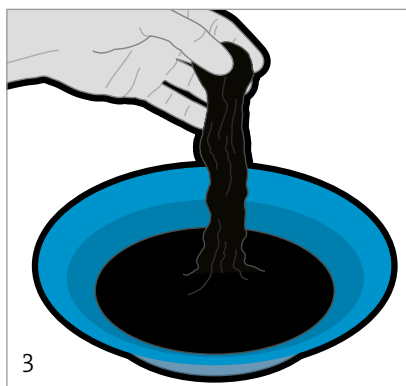
MAKE AMAZING MAGNETIC SLIME

Your Group will love making this gloopy gunk and testing its magnetism

SUITABLE FOR ALL

1 Ensure everyone involved is wearing disposable gloves and protective eyewear. Pour 120ml of liquid starch into a bowl. The leader in charge should then add 2 tbsp of iron powder. Stir with a craft stick until it is thoroughly mixed. Safely store any remaining iron powder and remove your eyewear.

2 Add 60ml of PVA glue and keep stirring until combined. This can take a while, but keep going until your

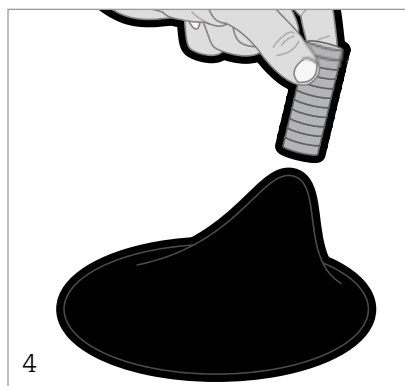


slime has formed. At this point, take it out of the bowl and keep squishing it together. Discard any excess liquid.

3 When it's completely mixed pat it dry with a paper towel. Now it's ready to play with and you can remove the gloves if you wish – the slime shouldn't stain your skin.

4 Test the magnetism of the slime with your neodymium magnets. These magnets are very small and extremely strong. Fingers can easily be pinched when trying to separate them, so if they come in a small stack use them as they are.

WARNING
It can be harmful to use iron powder without protective eyewear and gloves, so please use it responsibly and store it away safely.



TIME NEEDED
30–60 minutes

EQUIPMENT NEEDED

Buy from hardware and electrical shops and online

- Protective covering for your worktop
- Disposable gloves (to prevent staining)
- Protective eyewear
- Measuring jug
- Liquid starch
- Disposable bowls
- Iron powder
- Craft sticks
- PVA glue
- Paper towel
- Neodymium magnets

THIS ACTIVITY LINKS WITH THE FOLLOWING BADGES



Beaver Experiment Activity Badge

OUTCOMES

The young people will learn all about the principles of magnetism by watching how the slime responds to the neodymium magnets. They'll learn about metals, suspensions and magnetic qualities. Discuss the process that's needed to make the magnetic slime and what the Scouts discovered. Encourage them to explain why this outcome occurred and to think about how magnets are used in the wider world. They'll learn about the safe use and responsible handling of chemicals and how to act responsibly during an experiment.

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