

# Fluffy Slime

## Best for Ages

6+

## Workspace

Flat indoor or outdoor surface

## Is electricity required?

No

## Description

One of the fun things about making homemade slime is that there are so many different ways you can make it! You can make it fluffy, stretchy, more like clay or you can make it crunchy. This guide is going to show you how to make this crunchy slime, also known as homemade fluffy slime.

## Materials

- White glue
- Baking soda
- Liquid starch
- Foam beads
- Food coloring
- Water
- Bowl
- Spoon
- Tablespoon
- Plastic tablecloth (slime can get messy!)
- Airtight plastic bag or container

## Concepts Explored

- Activators
- Polymers

## What to Do

1. Cover your work surface with the plastic tablecloth. Lay out all your supplies.
2. Pour 2 tablespoons of white glue into the bowl.
3. Add 2 tablespoons of water into the bowl.
4. Add 3-4 drops of food coloring into the mixture.
5. Add the foam beads a little at a time. Stir well to incorporate all the beads, water, glue and food coloring. If you want your slime more crunchy, add more beads.
6. Add 2 tablespoons of liquid starch to into the mixture while slowly stirring the mixture.
7. Continue to stir the slime until it is a solid. Remove the slime from your bowl to knead with your hands.
8. Time to play!
9. Slime can last up to a week if stored in an airtight container or bag.



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## Troubleshooting Tips

- Slime too runny? Adding more glue to your mixture will help the slime bind together. Add a small amount of glue and stir each time.
- Want more crunch in your slime? It's air bubbles being trapped in the slime that creates that satisfying crunch feel. Adding more foam beads will help create more air pockets to crunch as you play.



How sticky is your slime? Press it on a table - does it stick? What about on a slope?

How far can you stretch the slime without it breaking?

Make some shapes with your slime. Does it shrink or spread?

## What is Happening?

- An **activator** is what binds or cross-links the ingredients together to form the slime. You have several slime activators to choose from (all in the boron family). These include saline solution, liquid starch, and borax powder, and all contain similar chemicals for making a slime substance. Fluffy slime uses liquid starch as the activator.
- **Polymers:** The glue is a polymer and is made up of long, repeating, and identical strands or molecules. These molecules will flow past one another keeping the glue in a liquid state. Until...you add the activators to the mixture, it starts to connect these long strands together. They begin to tangle and cross-link until the substance is thicker and rubberier like slime.

## Taking it Forward

- If you like this activity, you'll also like these [Amazeum You](#) activities:
  - Butter Slime
  - Oobleck
  - Playdough
- Learn more about this activity at your local library:

*The Slime Book: All You Need to Know to Make the Perfect Slime* by DK

*Slime Recipe Book: Slime Book - How to Make Amazing Slime at Home, Best Slime Recipes, Useful Tips and Tricks, Most Common Mistakes* by Alex Hey

*How To Make Edible Slime: 30 Fun and Yummy Slime Recipes* by Tessa Meldrum