

DAILY BOREDOM BUSTER



Seriously Super Science

Raid your pantry for ingredients and try these easy and fascinating home DIY science experiments designed especially for kids. There's more fun experiments on the following pages.

Lava in a Cup

What You'll Need

- A clear drinking glass or jar
- 1/4 cup vegetable oil
- Water
- Salt
- Food Colouring
- Glitter (optional)

What To Do

- Fill the glass or jar 3/4 full with water.
- Add 5 drops of food colouring. You can also add some glitter at this step if you wish.
- Slowly pour the vegetable oil in. See how the oil floats on top of the water?
- Here's the fun part—pour in a teaspoon of salt and watch blobs of lava form and move in your glass!
- For even more excitement, add a few drops of a different colour food dye and watch what happens.
- Keep adding salt to keep the effect going.



MILK ART

What You Need

- A flat plate
- A small amount of milk
- Food colouring
- Dishwashing detergent

What To Do

- Fill the plate with a thin layer of milk.
- Put in drops of different food colouring.
- Add a few drops of the detergent into the centre of the food colouring, then sit back and watch what happens!



RAIN, RAIN, DON'T GO AWAY!

Make it rain inside your house!

What You Need

- A flat plate
- A glass jar
- Very hot water (ask an adult to help with this)
- 1-2 cups ice cubes

What To Do

- Fill the jar 1/3 of the way with the hot water (ask an adult to do this for you).
- Put the plate on top of the jar.
- Carefully place all the ice cubes on the plate.
- Then watch it start to rain inside your jar!



GLOWSTICK FIREFLIES

What You Need

- Glowsticks
- A glass jar with a lid
- Glitter

What To Do

- Cut a glowstick in half and shake the contents into your jar (ask an adult to do this for you).
- Add some glitter to your jar.
- Screw on the lid tightly and then shake your jar well to distribute the glowstick gel and glitter.
- Turn out the lights and enjoy your glowstick fireflies!



TORNADO IN A JAR

What You Need

- A glass jar with a lid
- Water
- Dishwashing detergent

What To Do

- Fill the jar about 3/4 full of water.
- Add a few drops of detergent.
- Screw on the lid tightly and then shake the jar really hard.
- Quickly place the jar on a table and a funnel should appear inside - instant tornado!



NAKED EGG

What You Need

- A raw egg
- A glass big enough to submerge your egg in
- Vinegar

What To Do

- Pour some vinegar into your glass until it's about 3/4 full.
- Carefully drop your egg into the glass. Make sure your egg is fully covered by the vinegar.
- Leave your egg in the vinegar for a day.
- Take your egg out of the vinegar and carefully peel off the shell (ask an adult to help you with this). Some of the shell will already have dissolved in the vinegar. Your raw egg should now feel rubbery and you will be able to handle it. Find out what happens when you drop your egg from a height!



SPARKLE EXPLOSION

What You Need

- A small vase
- Baking soda
- Vinegar
- Food colouring
- Glitter
- A deep sided baking tray to contain the mess!

What To Do

- Place 2-3 tablespoons of baking soda in the bottom of the vase.
- Put the vase in the middle of the baking tray.
- Add 6-7 drops of food colouring and 1-2 teaspoons of glitter to the vase.
- Quickly pour in 1/2 cup of vinegar (you can ask an adult to help you with this if you want).
- Watch the sparkly explosion!



AWESOME OOBLECK

What You Need

- Cornstarch
- Water
- Food Colouring
- A big mixing bowl

What To Do

- Pour 1 cup of water into your bowl.
- Add a few drops of food colouring to your water and stir.
- Gradually mix 2 cups of cornstarch into your water until fully combined—this is your oobleck.
- Your oobleck will feel solid when you play with it and then revert to a liquid when you leave it sit. Have fun experimenting with it to see what it does!

