



Slime Time!

Create your own SAMtastic slime!

Non-Newtonian fluids, polymers, shear rates and viscosity can all be challenging concepts to teach young minds. So why not try this fun and simple lesson idea that not only celebrates these topics, but encourages children to play and explore them in ways that will keep them entertained for hours. It's slimy, it's colorful and delightfully messy. Get stuck in.

Science

Topics: Non-Newtonian Fluids, Polymers, Shear Rates

Resources: Washable PVA Glue, Saline Solution, Water, Measuring Cups, Spoon, Bowl, Food Coloring, Glitter/Foam Balls, Container

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Step 1

Prepare The Mixture!

Take the bowl and fill it with half a cup of PVA glue and half a cup of water. Mix the two together, add your food colouring to the mixture and then continue to stir until the ingredients appear evenly mixed. If you fancy adding any decorations, now's the time to add them in (we personally think you can't beat a bit of glitter or foam balls)!

Next, mix half a cup of saline solution into the mixture until it is all completely dissolved. Keeping stirring away until the mixture starts to thicken. This is when you'll be ready to begin kneading!

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Step 2

Knead! Knead! Knead!

Once thickened, knead the mixture with your hands until the slime feels... well, slimy! Getting it perfect can be slightly tricky. If you find that it's still very sticky, we recommend adding a little more of the saline solution and keep kneading. If the slime won't stretch or is too solid, add more of your PVA glue and continue kneading.

Once you're happy with the consistency of the slime, get stuck in!

Note that once you've made it, your slime should be usable for several weeks providing you keep it stored safely in a secure, air-tight container.

