



# MAGIC SLIME

Students will

- Make a batch of MAGIC slime
- Observe and experiment in order to discover the MAGIC properties of slime.

## MATERIALS

*Included in the Kit:*

- Borax
- Magic Powder
- Glue
- Stir stick

*Not Included in the Kit:*

- Bowl for Mixing
- Spoon
- Warm Water
- Measuring Cup
- Paper Towel

## LESSON

You probably have heard of slime before (maybe even made a bowl or two) but, have you ever heard of *magic* slime before? It seems that every scientist ends up with their own recipe and in this activity, you will be creating and observing our new magical slime recipe! Follow the steps below to make the gooey slime and see if you can figure out what exactly makes it so magical.

### ACTIVITY 1: MIXING THE SLIME

1. Make the “Activator”-this is what makes the slime, slime! Ask a grown up for help if you need it.

- Add 1/2 cup of warm water to a bowl
- Add the **Borax** to the water– **be careful not to get any on your face!**
- Mix until the **Borax** is dissolved and leave for later

2. Prepare the glue!

- Empty the **Glue** into a bowl
- Refill the empty bottle with water and mix into the **Glue**
- Add the **Magic Powder** and stir until it is all nice and smooth

3. Create the chemical reaction

- While mixing, slowly add some **activator** to the glue mixture (1 spoonful at a time)
- You won't need all the activator so, don't worry if there is some left over.
- The slime is ready when its smooth and not sticky!



Note: Kneading the slime can help get your slime together without adding too much activator but, it can get a little messy! To avoid the mess, don't start kneading until the slime is almost ready (at least 2 spoonfuls in)!

Nutty Scientists of South-East Michigan



## ACTIVITY 2: FINDING THE MAGIC

Now that the batch of Magic Slime is all mixed up, what do you think makes this one so special and full of magic? Does it smell fruity? Maybe it changes color or is super-duper stretchy!

Well, the best way is to just *show* you!

Head on over to a window or lamp and place your slime in the light. Let it soak up the sun for about 10-15 minutes. Then, pick it up and head to a dark room (a bathroom or closet works great!) You are now **observing** the slime magic for yourself....*IT GLOWS!!!!* But how? Why? The answers to those questions can be found in the science of the "Magic Powder".

The super scientific word for the type of magic powder you used is "**Luminescent Powder**"-a substance that glows through the process of **phosphorescence**. This just means when exposed to light, the powder absorbs its energy, then releases it back out as color light. Because it needs light energy in order to glow, the slime needs to "charge" before it can glow in the dark.

Questions to consider:

- What would happen if you left the slime in a dark closet for a day?
- Does more "charging time" create a brighter glow?
- Why can't you see the glow in a bright room?
- What color is your slime? What color is the glow?

