

DIY: Bouncy Balls!

Equipment:

- 2 small bowls
- Food coloring (optional)
- Warm water
- $\frac{1}{2}$ cup measuring cup
- 1TBSP measuring spoon
- Materials in bag

Step 1: In your first bowl, use the popsicle stick to mix 1 TBSP borax and $\frac{1}{2}$ cup warm water (make sure the water is warm so it can dissolve the borax).

Step 2: In your second bowl, use the other popsicle stick to mix 1 TBSP corn starch and 2 TBSP glue.

Step 3: Mix the contents of the first bowl one more time and pour into the second bowl.

Step 4: Stir the contents of the bowl with one of the popsicle sticks – you will start to notice that the glue and corn starch are getting thicker and do not mix into the water and borax. This is because of the chemical reaction occurring between the glue and the borax.

Step 5: When the glue starts to thicken (about 10 -20 seconds) reach into the bowl and pick up the thickened glue

Step 6: Knead the blob of glue in your hands. If it is still sticky or not holding its form, put it back in the bowl with the water and let the chemical reaction occur for a little longer.

Step 7: Continue to knead the ball, you can also roll it on a table or other hard surface like a play doh ball to shape it. (I found it was very wet to start, but “dried up” after a minute or two. You may want paper towels to dry your hands on, but DO NOT dry the ball)

Step 8: When the ball is formed well (about 3 minutes of kneading and rolling) bounce it on a hard surface!

To make the ball last longer and prevent drying out, store it in a plastic bag. ENJOY!

To view the video from www.nysci.org use the following link: <https://vimeo.com/482637323>