

Make a Super Bouncy Ball



Spark great conversations about the science behind elasticity with this chemistry and craft project rolled into one.

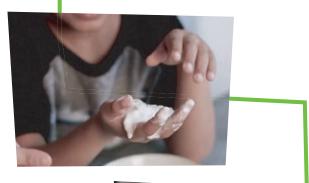
Materials

- 1/2 teaspoon borax powder
- 1 tablespoon white glue
- Food coloring
- 3 tablespoons cornstarch

Directions

- 1. In a large mixing bowl, have your child mix the borax powder with the cornstarch.
- 2. Add water to the borax powder and cornstarch mixture and mix well. Ask your child to describe how the mixture is changing.
- 3. Next, ask your child to add the glue to the mix and stir well until a blobby mixture forms.
- 4. Have your child roll the blobby mixture between the palms of their hands until it hardens and a rubbery ball forms. The trick here is to keep rolling and rolling. Describe how the mixture feels. Is it sticky or slippery? Is it cool or warm?
- 5. Once the glob is rolled into a tight, rubbery ball, it's ready to bounce! But first, estimate how high the ball will go. When ready, bounce the ball on a hard surface. After seeing how high it bounces, compare the actual height of the bounce to your estimate.











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