



2017 Children's Summer Reading Program STEAM Project

How to Make a Bouncy Ball



What you need:

- 1/2 cup of warm water
- 1 tablespoon Borax
- 2 tablespoons white liquid glue
- 1 tablespoon cornstarch
- Food coloring (a few drops)
- 2 bowls or cups
- Measuring spoons & cups

Directions:

1. Start by adding warm water to a bowl.
2. Add in Borax and stir gently until it dissolves.
3. In a different bowl, add white glue, cornstarch and food coloring. Mix well until color is distributed throughout bowl and mixture is smooth.
4. Pour the contents of the first bowl (water and borax) into the bowl with the glue mixture.
5. Stir quickly as the mixture will harden rapidly and form a solid. Grab that clump and tear it in half.
6. Roll your blob in between your hands to form a ball.
7. When the ball is no longer sticky you are ready to give it a bounce. Store in an airtight bag or container.

When combined, the molecules in the glue react to the Borax, becoming an elastic polymer.