

MAGIC MILK PLASTIC

MAKE YOUR MILK TRANSFORM INTO PLASTIC CHARMS!

SUPPLIES:

 1 cup whole milk
(lowfat or fat free will not work)

 4 tbsp white or rice vinegar


 Microwave-safe bowl or cup

 Paper towels (lots!)

 Mesh strainer

 Food coloring

 Solid prep surface: plastic mat, cookie sheet or Aluminum foil

 OPTIONAL: Cookie cutter, mold, puffy paint, glitter glue, toothpick or straw

INSTRUCTIONS:

1. WARM IT!

Pour milk into a microwave-safe glass bowl or cup and heat it for 1-2 minutes.

2. MIX IT!

Add vinegar to the warm milk. If needed, add more vinegar a little at a time until you see mostly curd in the mixture. Stir the mixture until curd forms.

3. STRAIN IT!

Strain out the liquid. Transfer the mixture to a dry paper towel, bundle into a ball and gently squeeze a couple more times to get out all extra liquid. Place onto your prep surface. It should feel like soft, slightly spongy clay.

4. COLOR IT!

Add a couple drops (just a few!) of your favorite food coloring and gently mash it and roll it in your hands until the color is fully mixed in.

5. SHAPE IT!

Use your imagination (or the help of a cookie cutter) to shape the mixture.

6. POKE IT!

OPTIONAL: If you want to make a keychain or charm, use a toothpick or straw to make a hole for hanging.

7. DRY IT!

Let it set for 2-3 days until totally dry.

8. DECORATE IT!

Use puffy paint, glitter glue or your favorite art supplies to decorate your creation.





EXPLAIN IT!

Milk contains protein. When milk's protein meets vinegar's acid, the protein molecules join together in long chains, causing curds to form. Those curds can then be molded into any shape. When they dry, you have homemade plastic!