

Up and Atom! Science at Home

Kitchen Chemistry, ages 5-7

Materials List

We suggest laying a towel on your work surface and gathering materials together in groups as we transition from one experiment to another.

1. Magic Milk

- 1 cup whole milk (but any cow milk will work in a pinch)
- Round dish (pie pan is perfect)
- 4 different colors of liquid food coloring
- Liquid dish soap – any kind, just a little
- 1 cotton swab

2. Lifting Ice

- A few ice cubes
- ¼ cup of table salt
- 1 cup of cold water
- Round dish (pie pan is perfect)
- 12 inches or so of cotton string

3. Milk Plastic

You will need a microwave or stove to heat the milk for this one for hot, not boiling, milk.

- 1 grown up to heat milk
 - If using microwave: Pyrex measuring cup for heating milk (but you can also pour your milk into a coffee cup to microwave)
 - If using stovetop: saucepan to heat milk
- 1 cup of whole milk (but other cow milks will work in a pinch)
- ¼ cup white vinegar
- 1 bowl large enough to hold liquid with room for stirring
- 1 spoon any size
- 1 colander or screen
- 1 plate

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- 6-12 paper towels
- Optional: small cookie cutters, straw to make holes