

FIG at Home

COLORFUL MILK FIREWORKS

Create exploding fireworks with simple ingredients in this colorful science experiment.

MATERIALS

- Pie plate or shallow pan
- Milk - whole milk works best
- Liquid food coloring
- Liquid dish soap
- Cotton swab
- Optional: toothpick



INSTRUCTIONS

1. Pour enough milk to cover the bottom of the pie plate or pan, plus a little. You only need about 1/4 inch of milk.
2. Drop dots of food coloring all over the milk.
3. Gently mix the colors together using a toothpick or cotton swab. Careful not to over mix here!
4. Dip your cotton swab in dish soap and then into the milk mixture.
5. Watch as the soap molecules explode like fireworks looking for the fat molecules of the milk to connect to. Once the colors stop moving, try dipping the soap filled cotton swab in again. What happens? If the colors do not move, it means the dish soap has found all of the fat from the milk.

