

Baggie Science

Magic Bubble Bags

Thousands of brightly colored bubbles float in a blend of cornstarch and water.

Materials:

1. 5 Tablespoons cornstarch
2. 1/2 cup water
3. Food coloring: 2 squirts each of blue and green, or red and green.
4. 1/2 cup vegetable oil
5. Freezer-quality resealable bag
6. Duct tape

Activity:

Place the cornstarch, water and food coloring in a bag and shake to mix. Add the oil. Seal the bag and reinforce it with duct tape. Press the bag with fingers and watch the colors blend and separate. Make observations every 30 seconds.

Questions to Ask:

1. What does cornstarch feel like? Does it have a smell?
2. What color will we get when we mix the colors blue and green? Red and green?
3. What happens when we mix cornstarch, water, and food coloring? What does it look like?
4. What happens when we add oil to the mixture?
5. What does it feel like when we press our fingers on the bag.
6. What would happen if we mixed the colors blue, green, and red?
7. How is the mixture changing?