

## Batch Mixing Game Instructions

### Activity Leader Prep:

- **Get a table to be the experiment area**
  - Cover the table in towels
- **Prepare three bowls:**
  - Bowl 1: Clear “base” liquid
  - Bowl 2: Colored liquid number one (red in this example)
    - Drop 4-5 drops of food coloring into water or juice and stir until color evenly distributed
  - Bowl 3: Colored liquid number two (blue in this example)
    - Drop 4-5 drops of food coloring into water or juice and stir until color evenly distributed
- **Set vase for mixing in the center of the table**
  - Arrange bowls near vase
  - Set straw, 1 cup measuring scoop, and ½ cup measuring scoop on the table near the vase
- **Have participants put on lab coats, safety glasses and gloves (all optional, although a jacket or old clothes are recommended due to presence of dye)**

### Instructions for participants:

1. Find the measuring cup that says “1” on it
2. Use the 1 cup to measure out 1 cup of clear water “base”
3. Pour the 1 cup of clear water into the clear, tall vase in the center of the table
4. Find the measuring cup that says “1/2” cup on it.
5. Use the ½ red cup to measure out ½ cup of blue liquid
6. Pour the ½ cup of blue liquid into the clear, tall vase
7. Use the cup that says “1” on it to measure out 1 cup of red liquid
8. Pour the red liquid into the vase in the middle of the table
9. Use a straw to stir your mixture until it is perfectly purple