

WATER AND OIL EXPERIMENT

Rainy days at home don't have to be dark, dreary, and boring. At Just Family Fun, we've found that setting up this water and oil experiment can brighten the whole family's mood! Often called "fireworks in a jar" due to the explosions of color it produces, this artistic and scientific activity will mesmerize kids of all ages and make for unique photos and memories. It is clean, inexpensive, and easy to set up with materials from around the house. You can find all the help you need to set up this experiment yourself below!

WHAT YOU WILL NEED

- A large transparent container, such as a glass or jar
- A spoon or whisk
- A medium-sized bowl
- Food coloring or non-toxic, water-based dyes
Tip: use up to three different colors to avoid them mixing
- Approximately two cups of water
- Approximately four tablespoons of vegetable oil, such as canola or olive
Tip: the more oil you use, the easier it will be to see the effects of the food coloring! Just make sure you don't have more oil than water.

WHAT TO DO

1. Collect your materials and prepare a clean workspace.
2. Pour your water into the transparent container.
3. Pour your oil into the medium-sized bowl.
4. Add 5 drops of each food color into your bowl of oil.
5. Using a spoon or whisk, stir until small drops of food coloring appear throughout the oil. Remember that they won't mix perfectly due to their densities!
6. Add your oil and food coloring mixture into the container of water. You can pour it quickly, slowly, or spoon small servings in.
Tip: add the mixture immediately after stirring to avoid the food coloring settling at the bottom.
7. Sit and watch your fireworks in a jar!

