



It is very simple to set up this activity. You only need a few supplies that you probably already have around the house.

### Supplies Needed:

- Baby oil or vegetable oil (depends on if you want it to be clear)
- [Washable liquid watercolors](#) or [food coloring](#)
- [Pipettes](#) or [droppers](#)

\*If you decide to use baby oil and watercolors, make sure your kids won't put this in their mouths! As always, keep a close eye on your kids any time that you are doing a science experiment.

1. Put water in several cups and add food coloring or liquid watercolors to the water. Then stir to combine.
2. Place a pipette in each colored glass of water.
3. Fill a cup about half way with oil.



Now let the kids have fun exploring oil and water!





While enjoying this science exploration kids will explore how oil and water do not mix together. For young children, there is no need to fully explain the concept behind it, but it is a great start to simply explore the two liquids and see how they behave when mixed together.



For kids in early years you can explain that oil molecules are only attracted to other oil molecules and water molecules are attracted to water molecules. So they don't mix together. The reason the oil floats on top is because the oil is less dense than water.