



BOYS & GIRLS CLUBS
OF CENTRAL FLORIDA

How to make a tornado in a jar!

Activity:

What you'll need:

- Jar or bottle with a lid (a glass jar like a mason jar, pickle jar, or jam jar would be best!)
- Water
- Dish soap
- Vinegar
- Optional: food dye

What to do:

1. Fill your jar about $\frac{3}{4}$ with water and add 3-5 drops of food dye (optional).
2. Add a teaspoon of dish soap and a teaspoon of vinegar to your blue water.
3. Tighten your lid well! To avoid spillage:
 - a. You can use a hot glue gun around the rim and tighten the lid before it can dry. This will secure your lid and make sure water does not spill everywhere. However, you might not be able to reuse the jar if you do this.
 - b. **Do this experiment over the sink!** That way, if anything spills, the mess is contained.
4. Hold the jar by the lid and rotate it around in a circle in a smooth, steady motion with your wrist and watch the vortex form. You've made a tornado in a jar!

[Why do tornadoes form? Click here to watch a video explaining how it happens!](#)

Experiment from: <https://homeschoolon.com/how-to-make-a-tornado-in-a-jar/>