

# A STEM in the Park

## Take Home Activity

# STEM

in the **PARK**™

Science, Technology, Engineering, and Mathematics

# Make a Lava Lamp in a Bag!

### ***What You Need:***

- Baby or Cooking Oil
- Zip Seal Bags
- Hydrogen Peroxide
- Bottle of Water
- Highlighters
- Clear Packaging Tape



### ***Instructions:***

1. To make the fluorescent color solution:

- Remove the fiber from the inside of a highlighter.

**\*\*Be careful, this is messy and can stain clothes!**

- Put the fiber in a half-filled water bottle.
- Add about 1/4 cup of 3% hydrogen peroxide to the bottle. Shake to mix the solution.

**\*\*Be sure to seal the bottle well! It can leak during shaking.**

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### ***Instructions cont.***

2. Fill the bag 1/4 of the way with your oil.
3. Optional: add glitter to the bag.
4. Pour some of the fluorescent color solution into the bag.
5. You may add varying amounts of the colored solution for different effects.
6. Tape the entire seal of the bag so the solution does not leak.
7. For the glowing effect: place the bag on a flashlight, turn the lights off, and ENJOY!!

***You can also do this in a small pop or water bottle instead of a zip bag!***

***This activity is brought to you by the University of Toledo Student Chapter of the American Chemical Society***



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