

## DIY LOVELY LAVA LAMP



Theme: Lava Lamp

Curriculum area: Science

Lava Lamps have been around since the 1960s! Today by gathering household items we will be able to recreate our own. Sadly lava lamps don't contain real lava but rather a coloured wax mixture. By safely recreating one, we will be able to add our own colors, and create our own fun atmosphere.

Activity:

- Have students create a functional safe lava lamp at home and see scientific reactions by all the items gathered.

Age of Children:

- Any age!

Materials needed:

- A glass jar
- Vegetable oil
- Alka Seltzer tablets or any powdered seltzers
- Food coloring
- Water
- Optional (glow sticks)

Developmental Objectives/Domains:

- Connect real life science with arts and crafts
- Follow tasks given by instructor or parent
- Creates understanding of chemical reactions
- Develops understanding of density and polarity

Procedure:

1. Collect all materials
2. Grab the glass jar and fill with water half way
3. Fill the rest up with vegetable oil
4. Add any color of food coloring
5. Break up the Alka Seltzer tabs into halves or fourths
6. Drop in chunks and see the water bubble!

Sources:

- <https://www.homesciencetools.com/article/how-to-make-a-homemade-lava-lamp-science-project/>