



# TALCOTT MOUNTAIN SCIENCE CENTER & ACADEMY

## Homeschool Program

<b>Topic</b>	Kitchen Chemistry
<b>Instructor</b>	Mrs. Roberts
<b>Date</b>	4/25/25

Here's some information about the activities your student did with us. Links at the bottom will help you explore further. Thanks!

### What did we do?

Today we learned about density!

### How did we do it?

We began our morning with a discussion about density and what some objects sink and other objects float. We compared obsidian and pumice to show examples of rocks with higher and lower density. We then chose several classroom objects each to test in a bucket of water. We discussed each item as a group and predicted which ones would float and which would sink, then tested our hypotheses by placing them in a bucket of water.

In the afternoon, we used the different densities of oil and water to our advantage to create lava lamps!

### Where can we find out more?

Lava lamps:

<https://www.mottchildren.org/posts/camp-little-victors/create-a-magical-lava-lamp>

<https://www.science-sparks.com/floating-and-density/>