

# Matter of Fact

## Grades 1 - 4

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### Introduction

Investigate liquids, solids, and mixtures and learn what really *matters* when creating a density tower. Explore how different liquids mix, how they interact with solids, and whether they float or sink!

### Materials

- A tall and narrow container with clear sides such as a clear bottle, glass, or vase. Try to find one with a lid or one that can be sealed for easy mixing.
- At least 3 different liquids to build your tower such as water, cooking oils, syrups, or dish soap. Choose a variety so that some liquids are thinner, and some liquids are thicker.
- If the mouth of your container is small, you may want to use a funnel to help avoid a mess.
- At least 2 different solids to add to your tower or to mix into the liquids to make solutions such as salt, sugar, sand, rocks, ice cubes, cork, wood, or Lego.