

# kids' chemistry

This program introduces students to the science of matter. Through discussion and fun, messy experiments, students will discover what matter is, how to make and separate mixtures and compounds, and create their own chemical reactions.

## ► Program Outline | 90 minutes

Greeting and Introduction  
Welcome and organization



### Program Activities

- **What is chemistry?**  
Through discussion, students will be introduced to chemistry, matter, molecules, atoms, elements, compounds, mixtures, and solutions.
- **Mixtures and compounds**  
Create a "solid" mixture, and then try to separate it.
- **Emulsions and suspensions**  
Make a gooey mixture that can be a solid and a liquid. Create an "emulsion" with two liquids that may not mix.
- **Solutions**  
Using water and colored crystals, students will observe how a solid dissolves in a liquid. Then, see how our special "magic" sand reacts with water.
- **Lava flow**  
Create a miniature erupting volcano.
- **Surface tension**  
Have "water drop" races and observe how soap reacts with water.
- **Slime factory**  
Make your own "pet slime" to take home.

### Conclusion and Departure

Summarize, questions and prepare to depart

