

CHEMYSTERIES

OUTREACH PRE-VISIT PAGE (GRADES 2-5) 60 minutes

Arizona Science Center will be arriving no later than 15 minutes before the start of your program(s). **Chemysteries** is intended to be a hands-on introductory chemistry program that covers:

- States of matter
- Investigating scientific methods including predictions and observations
- Physical and chemical reactions

PROGRAM NEEDS

- Class teacher/instructor must remain in room for duration of program
- One instructor table at front of room
- Room with sink or water readily available
- Limited to 30 participants who will break into 10 groups
- If multiple programs are scheduled at your location, it is ideal that the instructor be set up in one room and participants be brought in, otherwise allow 15 minutes between programs

SCIENCE STANDARDS

Grade 2: S5C1PO1: Describe objects in terms of measurable properties (e.g., length, volume, weight, temperature) using scientific tools.

S5C1PO2: Classify materials as solids, liquids, or gases.

S5C1PO3: Demonstrate that water can exist as a gas, liquid, and solid.

S5C1PO4: Demonstrate that solids have a definite shape and that liquids and gases take the shape of their containers.

Grade 5: S5C1PO1: Identify that matter is made of smaller units called molecules and atoms.

S5C1PO3. Describe changes of matter: physical (cutting wood, ripping paper, freezing water) and chemical (burning of wood, rusting of iron, milk turning sour).

