

World of Wonder

Educational Standards and Suggested Activities

Release week Nov. 22, 2009: Chemical Reactions

Standards

- *Current Events*: Students will identify chemical reactions in daily life.
- *Science*: Students will research and discuss chemical and physical changes.
- *Science*: Students will research and list what various substances are made of.

Activities

1. *Use the News*: Make a collage from newspaper clippings (text and pictures) of chemical reactions, such as items burning, cars using fuel, people breathing, bread dough rising, etc.
2. Chemical reactions and physical changes are often confused. A burning log is an example of a chemical reaction. A melting ice cube is an example of a physical change. What is the difference between them? Discuss your ideas first, then do some research and write a scientific explanation (in your own words) about the differences.
3. Chemistry is basically the study of what things are made of. So what are the things around you made of? Choose something -- say, water (made of hydrogen and oxygen) -- and research its components. Make a class list of all the substances you have analyzed.

World of Wonder meets many state educational standards. This guide helps teachers identify standards and related activities generally intended for Grade 6, but teachers can modify activities to the appropriate grade level.