



Let me see that!



## CHEMICAL TESTS

2008

Standard 4

**Key Idea: Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.**

**Catalog Number: X702, DS1830**

**Title: Magic school bus ready, set, dough**

**Imprint: Scholastic, 1999.**

**Physical Description:** Videocassette, Digital Streaming, 30 min., closed captioned.

**Summary:** It's Ms. Frizzle's birthday, and a field trip to the bakery seems perfect until the bus' shrinker-scope quits on them. The class experiences chemistry first hand, as they get baked into a cake! Emmy Award Winner

**Audience: Primary, Intermediate**

**Catalog Number: V2609**

**Title: Changes in matter**

**Imprint: UL, 1999.**

**Physical Description:** Videocassette, 18 min., closed captioned.

**Summary:** Through everyday examples, students will see how they benefit from changes in matter and will understand that matter is changing everywhere around them. The different characteristics and samples of physical changes and chemical changes are shown, including changes in state. Common chemical changes, such as the burning of paper, the baking of a cake, and the rusting of a car are shown through colorful imagery.

**Audience: Primary, Intermediate**

**Catalog Number: V2627**

**Title: Properties of matter**

**Imprint: UL, 1998.**

**Physical Description:** Videocassette, 18 min., closed captioned

**Summary:** This program explores the many different characteristics of matter, including the chemical properties of matter, such as flammability

and reactivity. It also examines some of the physical properties of matter including color, odor, texture, and shape, through beautiful visual images which students can easily understand. Much emphasis is placed on the concept of mass and weight. Volume and density are explored by looking at different types of matter such as gas, lead, marble, and feathers.

**Audience: Intermediate, Junior High**

**Catalog Number: X1574**

**Title: Chemistry of a loaf of bread**

**Imprint: LUC, 1995.**

**Physical Description:** Videocassette, 18 min.

**Summary:** Provides a basic lesson in chemistry by showing what happens when a loaf of bread is baked in Julia Hayes' kitchen. Using scientific method, several loaves are baked and the varied results are compared. Shows the individual effects of different ingredients and the scientific principles at work.

**Audience: Intermediate, Junior High, Senior High**

**Catalog Number: V7839**

**Title: The mysterious case of chemistry**

**Imprint:** Landmark, 2001.

**Physical Description** Videocassette, 11 min.

**Summary:** Since the beginning of time, humans have used chemical reactions without understanding what they were. Ancient Greek artisans were able to smelt metal, dye fabrics and to make glass. Using the 4 elements did these transformations: air-water-earth-fire. This was accomplished by combining the fundamental properties of matter: hot/cold/wet/dry. The attempt to transform simple metals into gold and silver was known as alchemy - which was the forerunner of chemistry, as we know it today. By mixing elements, alchemists produced chemical reactions, which produced new compounds.

**Audience:** [Intermediate, Junior High](#)

**Catalog Number: SA1865**

**Title: Chemistry: Experiments to Make a Change**

**Imprint:** Clearvue.

**Physical Description:** Digital Audio Streaming, 2 min.

**Audience:** Primary, Intermediate

**Catalog Number: SA1861**

**Title: Is it Sugar, or is it Salt?**

**Imprint:** Clearvue

**Audience:** [Primary, Intermediate](#)

#### Websites for Kids

##### Zoomsci

Just one example of a chemical test is *Cauldron Bubbles*. Have the class mix up a bubbly brew using water, oil, sugar and sand!

<http://pbskids.org/zoom/activities/sci/>

*Order resources by phone (464-5104),  
by fax (464-5101)  
or online at:  
[www.crbsls.org](http://www.crbsls.org)*



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