



Family Fun Activities

Visit the following places to experience hands-on science!

The Maryland Science Center

601 Light Street
Baltimore, MD 21230

Phone: 410-685-5225

Web site:

www.marylandsciencecenter.org



The Franklin Institute Science Museum

222 North 20th Street
Philadelphia, PA, 19103

Phone: 215-448-1200

Web site: <http://www.fi.edu/>

Career Connections

Take a few minutes to discuss these career opportunities for people interested in matter with your child.

Cryogenist

A scientist who studies very low temperatures

Chemist

A scientist who studies the composition, properties and structure of matter

Thermologist

A scientist who studies the infrared images of people's bodies

Physicist

A scientist who is trained in the science of physics



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A Parent's Informational Guide to the Science Unit:

Matter: Just the Facts!



Grade 3



Matter: Just the Facts!

"Matter: Just the Facts!" is a third grade science unit. In this unit, students learn about the observable, physical properties of matter.

At the end of the unit, students create a list of clues describing matter. Their classmates will be challenged to guess the object that is described.

The Maryland State Curriculum Indicators addressed in the unit are listed below:

Standard 1.0 Skills and Processes:

Students will demonstrate the thinking and acting inherent in the practice of science.

- A. Constructing Knowledge
- B. Applying Evidence and Reasoning
- C. Communicating Scientific Information

Standard 4.0 Chemistry:

Students will use scientific skills and processes to explain the composition, structure, and interactions of matter in order to support the predictability of structure and energy transformations.

- A. Structure of Matter
- C. States of Matter

Unit Vocabulary



Encourage your children to use the vocabulary listed below when telling you about what they are learning during this science unit.

classify: to sort objects into groups that have similar properties

Hand lens: a hand-held magnifying glass

mass: the amount of matter in an object

matter: anything that occupies space and has mass

minute: very small but visible

physical properties: any property of matter that can be observed by your senses

states of matter: solid, liquid, or gas

Internet Sites



<http://www.chemistry.org/kids>

A Web site created by the American Chemical Society with information about matter.

http://www.chem4kids.com/files/matter_intro.html

A Web site explaining matter and states of matter.

Books to Read

Take some time to read books about chemistry and matter with your child.



Properties of Materials

By Marcia Freeman

Freezing and Melting

By Robin Nelson

Touch, Taste, Smell

By Judith Womersley

What is the World Made of? All about Solids, Liquids, and Gases

By Kathleen Zoehfeld

Physics for Every Kid

By Janice Van Cleave

Freezing and Melting

By Robin Nelson

Change It!: Solids, Liquids, Gases, and You

By Adrienne Mason

What Is The World Made Of?

By Kathleen Weidner Zoehfeld