

# ***Properties & Changes of Matter*** **for 4th Grade Teachers**

This workshop provides the participants with essential teacher background knowledge and is based upon activities selected to illustrate or enhance concepts presented in the **K-7 Science Processes** and the **Grade Four Physical Science Grade Level Content Expectations, Grade 4-Unit 2**.

Everything around us is made up of something. This something is called matter. Matter is defined as any substance which takes up space and has mass and volume. These properties can be measured.

Matter can exist in several states—solids, liquids and gases. We will examine how these states can be changed from one into another. Looking at the materials which make up our world shows us that they can be classified based on their physical properties.

We will examine two physical properties of matter, (Qualitatively) through our senses and (Quantitative) using measurement. Our hands-on activities will also examine the conductive and reflective properties of matter.

**Join us as we explore Our Matter and its properties.**

**November 12, 2009**

**9:00AM – 3:00PM**

**Registration Fee: \$50.00** (includes lunch & materials)

**Ford Education Center at The Detroit Zoo**

**8450 West Ten Mile Road**

**Royal Oak, MI 48067**

**Register online at [www.misd.net](http://www.misd.net)**

**Contact Deb Wood, Administrative Support, Science  
[dwood@misd.net](mailto:dwood@misd.net) or 586-228-3498 for more information**

**.5 SB-CEUs  
are available  
for this  
workshop**

This workshop is presented as part of the Tri-County Collaborative which includes Macomb ISD, Oakland Schools and Wayne RESA.