

# ***Measuring Changes in Motion***

## **for 5th 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 Five Physical Science Grade Level Content Expectations, Grade 5-Unit 1**.

Are you hesitant to teach the concepts of Force and Motion? Join us as we "uncover" the important concepts of motion by developing an understanding of the nature of **motion**, leading to the concepts of speed, velocity and acceleration. Each concept will be investigated through demonstrations and hands-on activities.

We will be moving along with Newton's three laws which describe how the planets move as well as the movement of an insect. Discovering for ourselves and appreciating that an object's motion involves some form of push or pull. This push or pull is another word for **force** and forces are always found in pairs. We will also discover that there are two types of forces: contact and non-contact.

"Find out WHAT makes us move!" join us for a very moving workshop!

**January 21, 2010**

**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.