

Waves & Energy

for 7th Grade Teachers

This workshop provides 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 Seven Physical Science Grade Level Content Expectations, Grade 7-Unit 2**.

Sound and Light are two types of wave energy that are used in our daily lives. We will build a wave model then develop the properties of waves and their behavior based upon the characteristics of Sound and Light. The most important characteristics of the model of Sound that will be developed are frequency, wavelength, pitch and amplitude. The most important characteristics of the model of Light that will be developed are absorption, reflection, refraction and color.

Using our senses and mathematical abilities we will develop many hands-on activities. We will test our model with applications that demonstrate its' ability to transfer one source of energy into another.

Find out why waves and wiggles make us happy!

December 10, 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

**Contact Deb Wood, Administrative Support, Science
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.