



FALL 2009

WEST MICHIGAN GLSI

PROFESSIONAL DEVELOPMENT

Additional information available online at www.muskegonisd.org/departments/mathscience/

| <i>Date/Time</i> | <i>Event</i> |
|---|--|
| <p>September 28, 2009 4pm - 8 pm</p> | <p>Water Quality Critters: Benthic Macroinvertebrates - Learn how benthic macroinvertebrates are used to provide information on the health of a body of water. Participants will collect samples, identify macroinvertebrates, and determine the water quality of samples using a pollution tolerance index. If time permits, we will also make a small set of preserved samples that can be taken back to the classroom. Participants will learn how incorporating macroinvertebrate studies into their curriculum will help them address Michigan's GLCE's and HSCE's. SB-CEU's available pending approval. This workshop is for 2-12 Teachers.</p> |
| <p>October 2, 2009 8:00 am - 3:00 pm</p> | <p>MEECS Water Quality - The Michigan Environmental Education Curriculum Support (MEECS) is a set of five curriculum units developed around Michigan's natural environments. Lessons and support materials are carefully designed to help teachers integrate materials into their curriculum that are Michigan specific, balanced, science-based, and newly aligned to Michigan's Content Expectations for Science and Social Studies.</p> <p>The MEECS water quality Unit is designed to provide students with a solid foundation for understanding the importance of having adequate supplies of clean, fresh water for the environment. Michigan's economy, and our quality of life. The unit provides national and international perspectives on water availability, an appreciation for Michigan's water history, and an understanding of the challenges that Michigan faces in addressing water quality and quantity issues. Participants will receive a curriculum kit that includes:</p> <ul style="list-style-type: none"> • A binder of lessons • A CD-ROM with electronic versions of lessons, supplemental materials, PowerPoint presentations, videos, and more. • Hands-on activities and lessons • Pre- and post-tests • Colorful posters and worksheets <p>SB-CEU's available pending approval. This workshop is for 6-12 Science Teachers and 6-8 Social Studies Teachers.</p> |
| <p>October 19, 2009 4:00 pm - 6:00 pm</p> | <p>Healthy Water Healthy People - The purpose of the guide is to raise awareness and understanding of water quality issues and their relationship to personal, public and environmental health. The guide will help educators address science standards through 25 original, interactive activities founded in the scientific method that link priority water quality topics to real-life experiences of educators and students. This Workshop is for 6-12 Teachers.</p> |
| <p>November 4, 2009 8:15 am - 2:30 pm</p> | <p>Project Learning Tree (PLT) - Learn how to use the forest to stimulate critical and creative thinking skills, improve decision making and to instill a commitment to environmental awareness. Participants will receive the Pre K-8 activity guide with hands-on, interdisciplinary activities with units on diversity, interrelation of systems, structure and scale and patterns of change. Secondary guides will be available. SB-CEU's available pending approval. This workshop is for K-8 Teachers.</p> |

FALL 2009 WEST MICHIGAN GLSI REGISTRATION INFORMATION

Register online at <http://www.muskegonisd.org/development/>

| <i>Date/Time</i> | <i>Event and Audience</i> | <i>Cost</i> | <i>Location</i> |
|---------------------------------------|---|---|---|
| September 28, 2009 4pm - 8 pm | Water Quality Critters: Benthic Macroinvertebrates This workshop is for 2-12 Teachers | \$25.00 | MAISD Regional Mathematics & Science Center |
| October 2, 2009 8:00 am - 3:00 pm | MEECS Water Quality This workshop is for 6-12 Science Teachers and 6-8 Social Studies Teachers | \$25.00 | MAISD Regional Mathematics & Science Center |
| October 19, 2009 4:00 pm - 6:00 pm | Healthy Water Healthy People This Workshop is for 6-12 Teachers | \$45.00 | GVSU - AWRI Muskegon |
| November 4, 2009 8:15 am - 2:30 pm | Project Learning Tree (PLT) This workshop is for K-8 Teachers | \$35.00 HS Supplement Guides - \$8.00 each | GVSU - AWRI Muskegon |



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