

Grade 7-12 Energy Education Workshops

9:00-3:30 pm on
Wed, Nov. 26 & Friday, Dec. 5
at Copper Country ISD



*FREE TO ALL TEACHERS in CCISD and GOISD
Teachers may choose to attend one or both workshops.*

*Engage students in real world learning about energy conservation and
renewable energy options for enhancing home energy efficiency.
Teachers and students will be trained to conduct home energy audits and more.*

Workshop Dates & Times

(1) MEECS Michigan Energy Resources, Wednesday, Nov 26, 2008 ~ 9:00 am-3:30 pm,
Receive unit with 8 lessons, CD, and all classroom materials. Presented by unit author, Heather Luoto,
Engadine High School.

Topics to be addressed:

- How energy use has changed
- Michigan's renewable and non-renewable energy use
- Measuring your energy use footprint
- Lights & leaks, Kill-o-watt meters, phantom electrical use & energy hogs

(2) Conducting Home Energy Audits, Friday, Dec 5, 2008 ~ 9:00 am-3:30 pm

- presented by Dave Bach, sustainable home builder & Kristine Bradof, MTU sustainability coordinator

Topics to be addressed:

- Anatomy of a House: home construction and air leakage & insulation
- Home heating & cooling monthly use – review past 12 months of bills
- Principles of heat transfer
- Home leaks, infiltration, insulation
- Energy Audit form

(3) *Optional*: Sustainable Home Tour, Saturday, Dec 6, 2008 ~ 2:00-5:00 pm

- with Dave Bach, sustainable home builder.

Location: Copper Country ISD in Hancock

Credit: 0.5 SB-CEUs available at no charge for the Nov 26 and Dec 5 workshops.

1.0 MTU graduate credit or 1.0 NMU ED 989 credit for attending both Nov 26 & Dec 5 workshops

Teacher Resources: first 13 teachers to register for BOTH workshops (Nov 26 & Dec 5) receive:

- Sub fees reimbursed for BOTH workshops
- \$75 field trip subsidy to conduct Home Energy Audits in their local community and/or visit examples of use of renewable energy in their community.
- One Kill-o-watt meter
- *Consumers' Guide to Home Energy Savings* 9th ed. By Jennifer Thorne Amann, et al. (2007).
- *Home Energy Diet: How to Save Money by Making Your House Energy-Smart* by Paul Scheckel (2003)
- *Homeowners Handbook to Energy Efficiency: A Guide to Big and Small Improvements* by John Krigger, and Chris Dorsi. (2008)



Energy Education Workshops

REGISTRATION FORM

I would like to register for (please check):

_____ (1) MEECS Michigan Energy Resources - 9:00 am-3:30 pm, Wed, Nov. 26

_____ (2) Conducting Home Energy Audits - 9:00 am-3:30 pm, Friday, Dec. 5

_____ (3) Renewable Energy “Sustainable” Home Tour – 2-5 pm, Sat. Dec. 6

NAME: _____ SCHOOL: _____

EMAIL: _____ PHONE: _____

SUBJECT: _____ GRADE: _____

Please send registration form by 4 pm, Friday, November 21, 2008

Loret Roberts, General Education Secretary
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