

Sponsored by: Western Upper Peninsula Center for Science, Mathematics and Environmental Education
and Copper Country Intermediate School District

Teacher Professional Development Conference

Friday, February 27

Registration Deadline: Friday, February 13

Conference Fee & Location: will vary; check specific session descriptions

~ Lunch will be provided at all sessions ~

**Conference fees will be paid for teachers from schools in the CCISD Professional Development Consortium.
SB-CEU's may be available.**

Full-Day Sessions: 8:30 AM - 4:00 PM

Service Learning

Grades K-12

Instructor: Debra Wagner, Ionia ISD
Location: Copper Country ISD Distance Learning Room
Registration fee: Free to all teachers in the CCISD, registration fee covered by a Service Learning Grant.

Interactive videoconference where teachers will explore service learning and how to effectively implement a service learning project in their classrooms. Examples of service learning projects will be provided to teachers to help foster creative ideas for classroom projects related to the community land use and environmental stewardship. Limited to 30 participants.

Stream Tables, Microorganisms & Water Quality Treatment

Grades 5-12

Instructor: Joan Chadde (Western UP Center), Dr. Sue Bagley (MTU), Dr. Marty Auer (MTU), Kathy Makela (Wakefield Elementary)
Location: MTU Memorial Ballroom B
Registration Fee: \$20

During the morning, teachers will investigate the physical characteristics of streams and how slope, velocity, and streamside land uses can impact the water quality of streams. In the afternoon, teachers will explore the role of bacteria and microorganisms in aquatic ecosystems with MTU's Dr. Sue Bagley, and learn how to test for microorganisms in water. Lastly, teachers will visit a wastewater treatment plant with MTU's Dr. Marty Auer and determine whether the discharged wastewater really is "clean?" Topics will connect to Life Science, Geosphere and Hydrosphere benchmarks.

Outdoor Inquiry Investigations for Elementary. Students

Grades K-3

Instructor: Pamela Schmidt, Western UP Center
Location: C.J. Sullivan Elementary Cafeteria (L'Anse)
Registration Fee: \$20

This session will focus on providing a framework for guiding "inquiry-based learning" to young learners, while making connections between the classroom and the winter wonderland we are surrounded by. Come prepared to venture outdoors on snowshoes provided by us (or bring your own) as we explore snow and how various plants and animals survive the winter. The all-day workshop will be closely connected to the Michigan Curriculum Framework Science Standards for Constructing and Reflecting Science.

Creative Ways to Teach Probability, Statistics and Data Analysis

Grades 5-9

Instructor: Shawn Oppliger, Western UP Center
Location: MTU Memorial Ballroom A
Registration Fee: \$20

Teachers will explore hands-on activities from AIMS (Activities that Integrate Math and Science) and GEMS (Great Explorations in Math and Science) to teach probability, statistics and data analysis. All participants will receive a notebook of activities.

Half-Day Sessions: Noon-4:00 PM

Want Good Health? Education Works!

Grades K-12

Instructor: Mary Hindelang
Location: Baraga Area School
Fee: Free to all teachers in the CCISD. *Registration fee covered by National Institute of Health Grant*

Teachers will learn how using inquiry-based science activities in the curriculum can help prevent type-2 diabetes and promote science and health careers. Based on current science and traditional wisdom, this program provides engaging curriculum content for improving nutritional choices and activity levels of all students. All participants will be treated to a traditional Native American feast for lunch prepared by Keweenaw Bay Indian Community Tribal Leaders. Limited to 30 participants.

Teacher Professional Development Conference

Friday, February 27

REGISTRATION FORM

Registration Forms Due: Friday, February 13, 2004

Late registration will not be accepted.

NAME: _____

SCHOOL: _____

✓ **Please check the conference session that you will be attending.**

Full Day Sessions: 8:30am-4:00pm

✓	Grade	Title	Location	Instructor	Fee
	K-12	Service Learning	CCISD Distance Learning Room	Debra Wagner, Ionia ISD	Free
	5-12	Stream Tables, Microorganisms & Water Quality Treatment	MTU Memorial Ballroom B	Joan Chadde, Western UP Center	\$20
	K-3	Outdoor Inquiry Investigations for Elementary. Students	C.J.Sullivan Elementary (L'Anse) Cafeteria	Pamela Schmidt, Western UP Center	\$20
	5-9	Creative Ways to Teach Probability, Statistics and Data Analysis	MTU Memorial Ballroom A	Shawn Oppliger, Western UP Center	\$20

Half Day Session: 12:00- 4:00pm

✓	Grade	Title	Location	Instructor	Fee
		Want Good Health? Education Works!	Baraga Area Schools	Mary Hindelang	Free

____ Conference fee: \$20. Make check payable to Copper Country ISD.

____ Conference fees will be covered for teachers from schools in the CCISD Professional Development Consortium.

How would you like to receive your conference registration confirmation? (choose *one* below)

____ By Mail Mailing Address _____

____ By Email Email Address _____

Send registration form and check payable to CCISD to:

Mail: Loret Roberts
P.O. Box 270
Hancock, MI 49930

Email: loret@ccisd.k12.mi.us

Fax: 906-482-5031