WORKSHOP PROGRAM

FRIDAY, MAY 7 (Eastern Standard Time)

8:30 AM – 4:00 PM (Meet at Hesterberg Hall at MTU)

(1) Brockway Mountain Raptor Migration
Presenter: Dr. David Flaspohler, MTU School of Forest Resources & Environmental Sciences
Group Leader: Pam Schmidt, Western UP Center
Participants will visit several birding sites in the Keweenaw Peninsula as they travel to Brockway Mountain, a hot spot for migrating raptors. The high ridges near the tip of the Keweenaw Peninsula concentrate the flight paths of spring migrants. When winds are out of the south, hundreds or even thousands of migrating raptors can be seen in a single day!

8:30AM – 4:30 PM (Meet in front of Rosza Ctr at MTU)

(2) Geology of the Porcupine Mtns (10am-1pm)
Location: Porcupine Mountains State Park
Presenter: Robert Sprague, Ranger, Porcupine Mtn S.P.
Group Leader: Joan Chadde, Western UP Center
View evidence of igneous rocks (volcanism), sedimentary rocks, and plate tectonics as you gather ideas for classroom field trips to Porcupine Mountain State Park.

Caledonia Mine Tour (2:00-4:30 pm)
Location: Caledonia Mine, Greenland, MI
Presenter: Richard Whiteman, Red Metal Minerals
Geology and history of the Caledonia copper mine, collect and identify mineral specimens, explore the underground mine.

5:00 – 6:00 PM Room Check-in (main entry)

6:00 PM Dinner - Dining Room

7:00-8:30 PM Spiders of the North Woods
Location: Conference Room
Presenter: Larry Weber, science teacher, Marshall School

9:30-11:00 PM Optional Activities

Spider Walk & Frog Calling
Location: Meet in Dining Room
Group Leaders: Larry Weber & Joan Chadde, Program Coordinator, Western UP Center

SATURDAY, MAY 8 (Eastern Standard Time)

6:15-7:30 AM Canyon Falls Hike
Location: Meet in Dining Room
Group Leader: Joan Chadde, Western UP Center

7:30-8:00 AM Breakfast – Dining Room

8:30 AM - 11:30 AM

(1) Can You Survive a 24-Hour Wilderness Experience With Your Students? (Gr. 4-12)
Location: Dining Room and then outside
Presenter: Chuck Delpier, Science & Environmental Studies Teacher, Negaunee Middle School
Participate in hands-on activities that you can do with your students during a 24-Hour Wilderness Experience. Participants should dress for the weather and be ready for three hours of movement as we set up tents, light fires without matches, hang bear ropes, cook on portable stoves, plus some CHALLENGING activities! You will leave ready to implement this program with your students!

(2) Teaching A Phenology-based Science Class
Location: Conference Room
Presenter: Larry Weber, author of Backyard Almanac; science teacher, Marshall School, Duluth, MN.
Participants will learn what, where, when, and why to use phenology, the study of recurring natural events, in a science classroom. Any teacher of any grade level could benefit from this workshop. The workshop will begin indoors, and includes a walk outdoors.

(3) Mathematics in Nature
Location: Back of Dining Room
Presenter: Kristan Schuster, math teacher, Hancock HS
Fibonacci numbers, symmetry, patterns...participate in some fun outdoor activities that will enhance your students observation skills and help them to see and appreciate math in the natural world.

11:30 AM - Evaluations
(Place in the box in the check-in area before leaving.)

11:45-12:30 PM Lunch – Dining Room

Workshop Coordinated by
Western Upper Peninsula Center for Science, Mathematics & Environmental Education

Workshop Sponsors
Pictured Rocks National Lakeshore
Seaborg Center at Northern Michigan University
Michigan Technological University