

Michigan Tech Center for Science & Environmental Outreach (CSEO)

Western U.P. Center for Science, Math & Environmental Education

A partnership of the Copper Country & Gogebic-Ontonagon Intermediate School Districts and Michigan Technological University serving schools and communities in Houghton, Baraga, Gogebic, Ontonagon and Keweenaw Counties, as well as statewide. (<http://wupcenter.mtu.edu/>)

PROGRAM PARTICIPATION SUMMARY: July 2013 - June 2014 in Western U.P. & Michigan

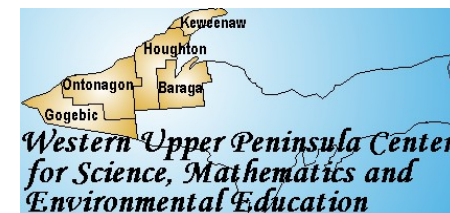
Total Reached = 9,511 participants *Some participants attend multiple programs and are counted more than once.

Teacher, Student and Community Programs

1. After School Classes & Science Camps
2. Assembly Programs (w/ artist Wendy Halperin)
3. Family Science, Engineering, and Forest Nights
4. Get Wise Program (w/ Pre-College Outreach)
5. Teacher Workshops (School-Year)
(Water Quality, Earth Force, Mathematics, Forestry)
6. K-12 Teacher Institutes (summer)
(Great Lakes, Urban Forestry, Global Change, U.P. Geology)
7. *Ride the Waves* & Shipboard Education scientific excursions
(aboard *R/V Agassiz*)
8. Lake Superior Stewardship Initiative
 - Green Film & Lecture Series: Issues & Dialogue
 - Lake Superior Celebration
9. Lake Superior Water Festival
10. Outdoor Science Investigations Field Trip Program
11. TiViTz Program & Tournament (w/ Pre-College Outreach)
12. Western U.P. Science Fair

Number of Participants

- 10 classes, 203 students
- 265 students
- 14 events; 1,350 students & parents
- 12 schools, 218 Gr. 5-8 girls
- 33 workshops; 594 teachers, 500 hours
- (4) 5-day institutes, 48 teachers
- 590 students; 349 adults = 939
13 schools & 18 community excursions
Total "in-kind" from MTU faculty & staff = 300 hours
- 14 schools, 77 K-12 teachers, 2153 K-12 students, 40+ community orgs
7 films & lectures; 343 community participants
160 participants
- 450 Grades 9-11 Students
- 93 field trips; 26 schools; 2258 students
- 10 schools, 226 participants
- 16 schools, 227 participants



The Center is supported by grants from: Great Lakes Fishery Trust (\$175,000), Earth Force (\$38,223), Michigan Dept. of Education (\$47,000), University of Wisconsin CFIRE (\$75,000), Kinship Foundation (\$15,000), U.S. Forest Service (\$40,000), National Science Foundation (\$12,000), MI STEM Partnership, and program participant fees (\$25,500). These grants cover staff salary/fringe, travel, and supplies for 3.5 staff, plus one work-study student. Sept. 2014