

Place-based, Interdisciplinary Watershed Literacy

Western UP Summer Institute

**FREE Summer
Teacher Institute**

Includes:

- Transportation to field sites
- Lunch each day
- Teacher resources
- Career explorations
- LSSI Mini-grant opportunities
- SCECHS (5 - 40 pending)

To Register:

Go to Wisdomwhere

CCISD participants:

www.solutionwhere.com/ww/ccisd/

GOISD Participants

www.solutionwhere.com/ww/goisd/

and PEER to the CCISD

Registration questions:

jjohnson@copperisd.org

Workshop information:

Email lwescoat@mtu.edu

or call 487-3341

Teams from Baraga,
Gogebic, & Ontonagon
counties may qualify
for travel stipends.

**For Gr. K-12 Teachers
& Community partners**

June 20, 24-28, 2019

8:30 - 4:00 daily

Multi-day institute

Participate for one day or more!

June 20: Invasive Species

**June 24: Meaningful Watershed Summer
Institute Day 1**

**June 25: Meaningful Watershed Summer
Institute Day 2**

**June 26: Geo-investigations through
Virtual Field Experiences**

**June 27: Jacob Riis: How the Other Half
Lives (KNHP Educator Workshop)**

**June 28: Beyond Trinkets: Student
Designed Solutions Using 3D Printers
and Other STEM Tools**

Presenters will include teacher leaders and others from the Western UP MiSTEM Region, Mi-STAR, MTU Center for Science and Environmental Outreach, Keweenaw National Historical Park, Keweenaw Invasive Species Management Area, REMC₁, and more!



Western Upper Peninsula Region



Western UP Summer Institute

June 20, 24-28, 2019

June 20: Invasive Species Morning investigation of local invasive species; identification, habitat, life history, and impact, and participate in several hands-on lessons. Afternoon, head to the field to ID species and conduct an inventory. Participants will receive *Field ID Guide to Michigan's Natural Communities*.

Meet at the CCISD for time in the field (please dress appropriately).

June 24* Meaningful Watershed Summer Institute Day 1 - Using 3D modeling and NOAA assets in a local context to improve watershed literacy in K-12 classrooms.

June 25* Meaningful Watershed Summer Institute Day 2 - Engaging K-12 students in the Community Action & Problem Solving Process to conduct watershed investigations and stewardship projects using Earth Force, NOAA, and MiSTAR materials.

***Ten school-community teams will have the opportunity to apply for up to \$2,000 in mini-grant funding for stewardship projects in the 2019-2020 school year. Minimum requirements for funding include that at least two teachers from the proposed team must attend June 24 & 25 of the Summer Institute.**

Meet at the CCISD for a day in the field (Please dress appropriately.)

June 26 Geo-investigations through Virtual Field Experiences** - K-12 teachers will develop earth system content knowledge through virtual field experiences, and will learn how to facilitate student experiences using technology in a meaningful

way. Teachers will identify geo-significant sites and phenomena in their community that connects to their classroom.

****Additional funding is available for teams interested in conducting a virtual field trip. Meet at the CCISD**

June 27: Jacob Riis: How the Other Half Lives - Compare immigrant experiences in NY with those in the Keweenaw through primary and secondary sources, and investigate the media as a vehicle for social and environmental change.

Meet at KNHP Visitor Center in Calumet

June 28: Beyond Trinkets: Student Designed Solutions Using 3D Printers and Other STEM Tools Experience problem-based instructional strategies integrating engineering design, coding, & 3D printers in student-driven problem solving learning environments.

Meet at Dollar Bay High School



Western Upper Peninsula Region



GREAT LAKES STEWARDSHIP INITIATIVE



Register via Wisdomwhere

CCISD participants: www.solutionwhere.com/ww/ccisd/

GOISD Participants: www.solutionwhere.com/ww/goisd/ and PEER to the CCISD

Registration questions: jjohnson@copperisd.org

Workshop information: email lwescoat@mtu.edu or call 487-3341

Funding: Great Lakes Fisheries Trust, Keweenaw Invasive Species Management Area, Keweenaw National Historical Park Grant Program, Lake Superior Stewardship Initiative, Michigan Space Grant Consortium, MiSTEM Advisory Council Grants, NOAA B-WET, REMC1, & the Western UP MiSTEM Network. Coordinated by Lake Superior Stewardship Initiative and the Western UP MiSTEM Network.

