

Developing Middle & High School Students to Become Urban Forest Stewards



Grades 5-12 Teachers in Detroit Schools Are Invited to Participate in a One-Semester Forest Stewardship Education Program

APPLICATION DEADLINE: January 24, 2014

Participants will be selected on a first-come basis with preference given to schools new to the program. Ideally, school teams will have two teachers.

Join a semester-long Urban Forest Stewardship Program (to enhance your students' knowledge of Michigan forests, participate in forest stewardship projects, and explore a variety of careers.

Limited to 10 Schools and 20 Middle/High School Teachers

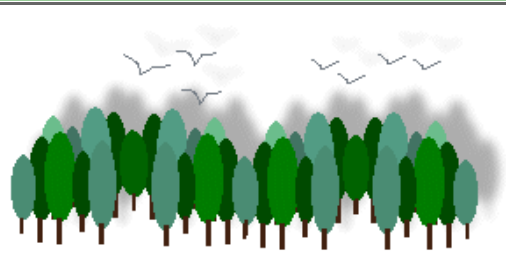
How Teacher Participants Will Benefit:

1. Earn up to 3 graduate credits from Michigan Tech University (MTU) at no additional cost* (must complete all coursework).
2. Receive \$200 in classroom supplies.
3. Receive \$600 for two field trips to Belle Isle (in April & May, dates TBD) for students to participate in an forest stewardship project: (i) trail construction, (ii) invasive species removal, (iii) native plant gardening.
4. Receive \$200 for supplies to create a schoolyard natural area.
5. FREE one-year membership to Michigan Alliance for Environmental & Outdoor Education (MAEOE).

* Cost has been reduced through generous support from a US Forest Service grant to help reduce official MTU tuition (2013/14 Official Applied Science Education Graduate Resident and Non-Resident tuition is \$514 per credit).

Program Requirements of Teacher Participants:

- Attend 3 one-day Saturday workshops Feb - April 2014 (1 credit).
- Take students (one class) on two field trips to Belle Isle to plan & implement a forest stewardship project.
- Participate in one family/community event on Belle Isle in May.
- Plan and create a schoolyard natural area with students.
- Complete all teacher and student evaluation requirements.



Partners

Belle Isle Nature Zoo
Detroit Public Schools
Hawk Woods Nature Center
Michigan Forest Foundation
Michigan Technological University
Michigan Project Learning Tree
Michigan Alliance for Environmental and Outdoor Education

Funded with a grant from the US Forest Service.

For more information, contact:

Joan Chadde, Project Manager
Center for Science & Environmental Outreach - Michigan Tech University
Houghton, MI 49931
Phone: 906.487.3341
Email: jchadde@mtu.edu



Developing Middle/High School Students to become Urban Forest Stewards

February - April 2014 ~ Teacher Professional Development Schedule

Workshops are **FREE** to Detroit teachers enrolled in this program. To participate and earn one graduate credit, teachers must attend **THREE** Saturday workshops. Teachers will have the opportunity to attend the **2014 Summer Forestry Institute at Belle Isle** at no additional cost and earn 2 additional graduate credits. *Limited to 20 participants.*



Project Learning Tree: Forests of the World & Focus on Forests Saturday, Feb. 1st ~ 9 am - 3:30 pm ~ Belle Isle Nature Zoo

Provides indoor activities to engage students and increase their understanding and appreciation of Michigan and world forests, with an emphasis on the human interaction with and dependence on those environments.



Creating Schoolyard Natural Areas

Saturday, March 15th ~ 9 am - 3:30 pm ~ Belle Isle Nature Zoo

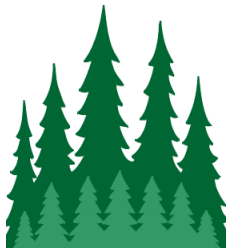
Learn how to create a native plant community at your school. Select the best site, gather appropriate species, recruit volunteers, strategies for caring for your school garden, involving the school community.



Invasive Species & Managing Outdoor Field Trips

Saturday, April 12th ~ 9 am - 3:30 pm ~ Belle Isle Nature Zoo

Learn how to identify and map invasive species, and design and lead effective outdoor field trips.



Summer Forestry Institute on Belle Isle ~ FREE to program participants 8:30 am – 4:30 pm, Monday - Friday, June 23-27, 2014 (2 graduate credits)

Institute topics include: Forest Ecology, Soils, Forest Health, Insect Pests & Diseases, tour of active logging site & lumber mill. *June 25th Overnight at Hawk Woods Nature Center in Auburn Hills.

Presenters: Michigan Tech scientists, MI Dept of Natural Resources, U.S. Forest Service, Greening of Detroit, Michigan Forest Foundation, and Hardwoods of Michigan.
