



Creating Great Lakes Stewards to Promote Clean Water & Healthy Urban Watersheds in Detroit

Gr. 6-8 Teachers in Detroit Schools Are Invited to Participate in a One-Year Water Education PD & Field Trip Program

**APPLICATION DEADLINE:
Friday, January 5, 2018**

Priority given to teams of 2 teachers from same school.



For more information, contact:

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Join a semester-long Water Education Initiative (Jan - June 2018) focused on enhancing students' connection to Detroit's watersheds and developing a sense of water stewardship among students in Detroit.
Limited to 16 Middle School Teachers in Detroit schools.

How Teacher Participants Will Benefit:

1. **Attend 5 water education Saturday workshops from Jan.-May 2018** which will connect to Grades 6-8 Michigan Science & Social Studies Standards.
2. **Opportunity to earn 25 SCECHs.**
3. Receive classroom resources, 3 activity guides, and funding to create school rain garden and classroom watershed model.
4. **Receive funding for classroom/field supplies, rain garden at school, and travel stipend (\$200/teacher/field trip) for 3 field trips.**
5. **FREE** one-year membership to Michigan Alliance for Environmental & Outdoor Education (MAEOE).
6. **Professional enrichment** of working closely with peers, expert educators, and scientists.

Program Requirements of Teacher Participants:

- Attend 5 six-hour workshops on Saturdays Jan-May 2018. (Jan. 27, Feb. 10, March 17, April 14, May 5).
- Bring your students on 3 field trips: tour Detroit water treatment plant, conduct ecosystem monitoring; and participate in a stewardship project.
- Create a rain garden at your school (supplies & training provided)

Sponsors

Michigan Technological University
Wayne State University Healthy Urban Waters
Detroit Zoological Society & Belle Isle Nature Center
Detroit Audubon ♦ Southwest Environmental Vision
Detroit Public Schools Community District

This project is made possible with an Environmental Education grant (EPA-EE-16-01) awarded by the USEPA through a competitive selection process.

Register Online at [Registration: Urban Water Stewards](#) by Friday, January 5, 2018

Developing Middle School Students to become Urban Water Stewards in Detroit

2017-18 Teacher Professional Development & Field Trip Schedule

To participate, teachers must attend all FIVE Saturday workshops and take a class of up to 35 students on three field trips. **Limited to 16 teachers per year.**

5 Teacher Workshops

Saturday, January 27, 8:30-3:30 pm, at Belle Isle Nature Center

Making Environmental Education Relevant for Diverse Audiences & Integrating Water into the Middle School Science & Social Studies Curriculum

Presenter: Robert Simmons, award-winning teacher, will present how to connect with urban youth, value of diversity, and challenges of under-represented youth.

Saturday, Feb 10, 8:30-3:30 pm, at Univ. of Michigan Dearborn Environmental Interpretive Center

MEECS Water Quality Unit & Detroit's Green Infrastructure

Presenters: Joan Chadde, lead author, will present hands on classroom activities, Lara Treemore Spears and Dorothy McLeer will lead Green Infrastructure field trip.

Saturday, March 17, 10 am-5 pm, at Outdoor Adventure Center

Project Wild Aquatic/ WET & Field Trip Planning

Presenters: Natalie Elkins, MI Dept. of Natural Resources and Joan Chadde, Michigan Technological University

Saturday, April 14, 8:30-3:30 pm, at Belle Isle Nature Center

Service Learning, Stewardship & Earth Force Curriculum

Presenters: Joan Chadde, Michigan Tech, and Lara Treemore Spears, Wayne State University Healthy Urban Waters

Saturday, May 5, 8:30-3:30 pm, at Belle Isle Nature Center

Outdoor Learning & Natural Resources Career Panel

Presenters: Joan Chadde, Michigan Tech, and Lara Treemore Spears, Wayne State University Healthy Urban Waters

***Informed citizens can make a difference!
Inspire your students to be
caretakers of their community !***



3 Field Trips from March to June 2018

(i) Water & Wastewater Treatment Tour and Urban Stormwater Practices

April 10-12 & April 17-19 (10-Noon & Noon-2pm, Tues-Th; 30 students/tour)

(ii) Ecosystem Monitoring

April 23-27 & April 30-May 6 (M-F, 10am - 2 pm)

(iii) Stewardship Projects

May 7-11 (M-F, 10 am-2 pm)

- Rouge Park tree-planting;
- Cadillac & Marathon Gardens in Mexicantown;
- Belle Isle shoreline cleanup, garlic mustard pull; trail improvements.; create rain gardens.
- Detroit River International Wildlife Refuge



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