

# Putting the Green in Next Generation Science

## TO REGISTER:

<http://migreenchemistry.org/education/next-generation-science-standards/>

## WORKSHOP DESCRIPTION:

A series of green chemistry events aimed at K-12 science teachers will be held this coming year, hosted by the GVSU Chemistry Department, the Regional Math and Science Center, and the Michigan Green Chemistry Clearinghouse. The series will focus on supporting K-12 teachers in developing lesson plans and activities that integrate green chemistry and sustainability into teaching and learning in their classrooms. The primary objectives of these sessions will be to:

- increase awareness in K-12 education about green and sustainable chemistry,
- form communities of teachers who are interested in green chemistry, and
- encourage collaboration to develop green chemistry curriculum.

Included will be discussions on how Green Chemistry concepts relate to the NGSS: Next Generation Science Standards (pending adoption).

The first workshop in the series will be held on Tuesday, August 13, 2013. Participants will be introduced to the principles of Green Chemistry and how these principles can be applied in the classroom. The workshop is also intended to facilitate interested teachers in meeting and organizing collaborative groups to develop green and sustainable chemistry and integrated engineering and science lesson plans based on the Next Generation Science Standards.

Subsequent activities in the series include workshops for lesson plan development and networking opportunities at the following conferences:

- **Michigan GreenUp** Conference at GVSU on October 23-24, 2013,
- **Fall Science Update** at GVSU (Grand Rapids Campus) on November 20, 2013, and
- **MSTA** in Lansing on March 7-8, 2014.

The series will conclude with an all-day workshop session on May 1, 2014 on the GVSU Allendale Campus. In addition, opportunities related to the **Biennial Conference on Chemical Education** at GVSU, August 2-7, 2014 will be available to those participants that complete the series.

## EXPECTATIONS:

At the end of the workshop teachers will be given the opportunity to commit to working with the project for the upcoming school year. Work teams will be formed that will collaborate throughout the year developing materials to be completed and to be published on the MGCC website by the May 1, 2014 workshop.

## BENEFITS:

The workshop is offered to K-12 teachers at no charge. Registration fees and substitute reimbursement at the rate of \$50 per day will be provided (rate of reimbursement will depend on number of participants) for the conferences listed above for teachers who commit to work on lesson development throughout the entire program. **BONUS:** Scholarships available for up to three teachers for the on-line green chemistry course provided by *Beyond Benign* this summer, June 28 – August 23 (value \$350) who register before June 15, 2013 and are willing to become team-leaders of the project.

## PRESENTERS / FACILITATORS:

Michigan Green Chemistry Clearinghouse, Regional Math Science Center, and the GVSU Chemistry Department

## DATE

August 13, 2013

## TIME

8:30 a.m. — 3:30 p.m.

## LOCATION

107 Padnos Hall  
Grand Valley State University  
Allendale Campus

## COST

**FREE**

All materials and lunch will be provided.

## REGISTRATION INFO

Deadline: July 15, 2013

Seating is limited to 20!

Register early.

SCECHs will be available at an additional charge of \$25.

## QUESTIONS

[migreenchemistry@gmail.com](mailto:migreenchemistry@gmail.com)

Dr. Dalila Kovacs

[kovacsd@gvsu.edu](mailto:kovacsd@gvsu.edu)

(616) 331-3806

