

# Mona Shores High School Ecology

## Goal of Project

- Stop Erosion
  - Decreases turbidity
    - Helps spawning
    - Increases dissolved Oxygen
  - Decreases total solids
    - Helps spawning
  - Decreases nutrients
    - Decreases algal blooms
  - Overall increase in water quality and biodiversity
- Creates habitat
- Aesthetically pleasing



## Educational

- This taught us how to...
  - Prevent erosion
    - Maintain high water quality
  - Prep a garden
    - Increase biodiversity
  - Truly make a difference



[http://4.bp.blogspot.com/-Syz2Wlp8eQsE/T19j8W1X5X9IAAAAAAAAAAAT14rCsP4cwT8bs/s1600/flower\\_garden\\_35876\\_zoom.jpg](http://4.bp.blogspot.com/-Syz2Wlp8eQsE/T19j8W1X5X9IAAAAAAAAAAAT14rCsP4cwT8bs/s1600/flower_garden_35876_zoom.jpg)

## Wetland Preservation Project

This fall the students of Mona Shores Ecology Class undertook the restoration of a wetland. They began their understanding of wetlands by investigating how water quality is impacted by the surrounding watershed. Water quality and Macroinvertebrate testing was done on North Tributary 1 of Mona Lake. The watershed was assessed for impairments and potential project to enhance water quality. During the winter months plans were made to restore a wetland. The area of land belonged to a local homeowner, Joe Grelewicz and his wife. A prior owner had removed the wetland plants and planted grass. This was a difficult area for the homeowners to maintain due to the high moisture of the soil. During meetings with the homeowner a plan was developed to plant native species of flowering wetland plants to enhance the biodiversity and natural beauty of the wetland. This spring 30 ecology students installed the wetland garden. We hope this will be a blooming trend in the Norton Shores area:-)



*Protect our water with Wetland Restoration*



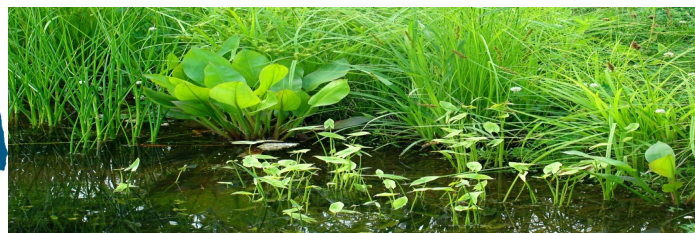
## Community Partners

- Muskegon Conservation District.
- JFNew
- Home owner Joe Grelewicz
- Subway

## Learning by Doing and Serving the Community

### MSHS Ecology Class 2012-13

- School Year Team:
- 60 Students
  - 1 Teacher
  - 2 Dedicated homeowners



# Preparing Project

- Days of preparation
  - Mid Winter
    - Planning meetings
    - By height, color and bloom time
  - May 11
    - Cleared garden area and staked out layout of plants
  - May 18
    - Planted flowers



## 2012-2013 School Year Project Timeline

