THE GLOBE PROGRAM

Crestwood High School

GLOBE and Curriculum Integration

17th GLOBE Annual Partner Meeting

August 12-16, 2013

Diana Johns

Where are we?

- Small suburban public school district just outside of Detroit
- Just one high school and middle school with three elementary schools
- Built in 1965 and serves just over 1200 students 9-12

Who does GLOBE?

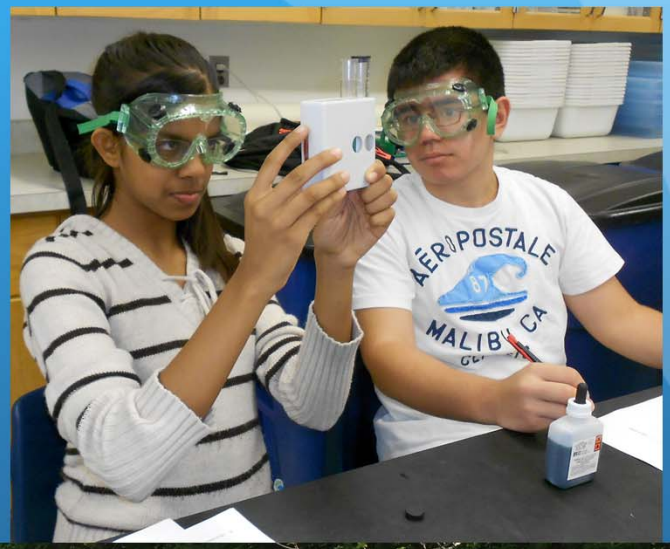
- 5 classes of Advanced Placement Environmental Science (150 students – a mixture of 10th, 11, and 12th graders)
- 60% of our student body is on the free and reduced lunch program
- Student body is very ethnically diverse

How is GLOBE encouraged in our APES program?

- Incentives to encourage students to do more than just what is required
- Certificates highlighting their involvement
- Letters of recommendation
- Individual research after AP classes end

If you create the opportunities, they will ask to be involved …

- Students often take ownership of particular measurements
- They even help raise money to purchase equipment



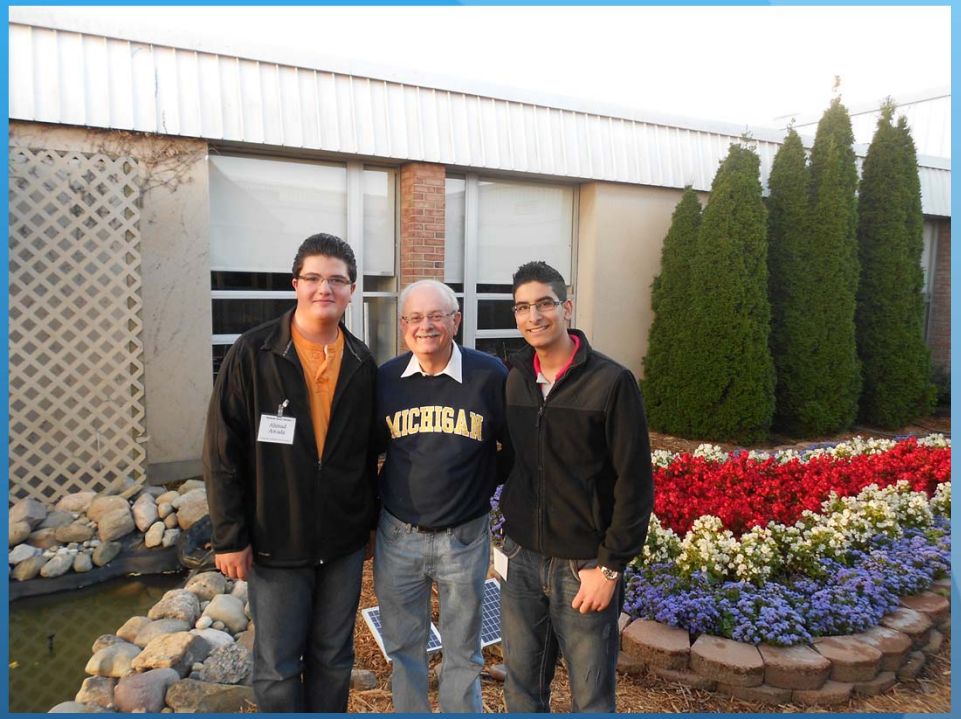
GLOBE at Night

- Use Sky Quality Meters and smart phones to input the data
- Students measure and map light pollution
- High school students love “citizen science” projects like this GLOBE initiative

GLOBE is easy to integrate into the curriculum because it fits and is fun!

- Data analysis is huge in NGSS
- GLOBE leads to students asking their own questions and creating research projects that are relevant to them

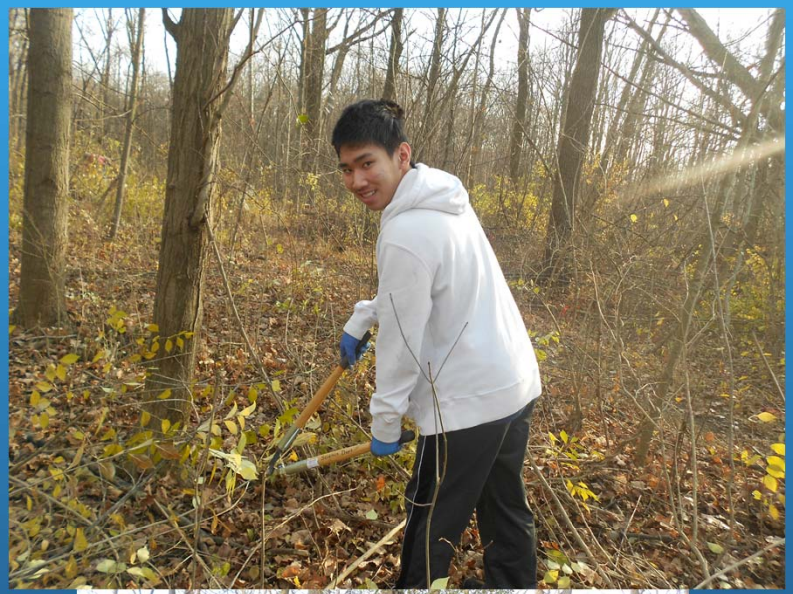
What are some cool things that have happened as a result of our involvement in GLOBE?



Students were asked to join our city's watershed commission

What have been some natural extensions because of GLOBE?

What are other extensions of the GLOBE Program?



A quick summary of outcomes because of GLOBE

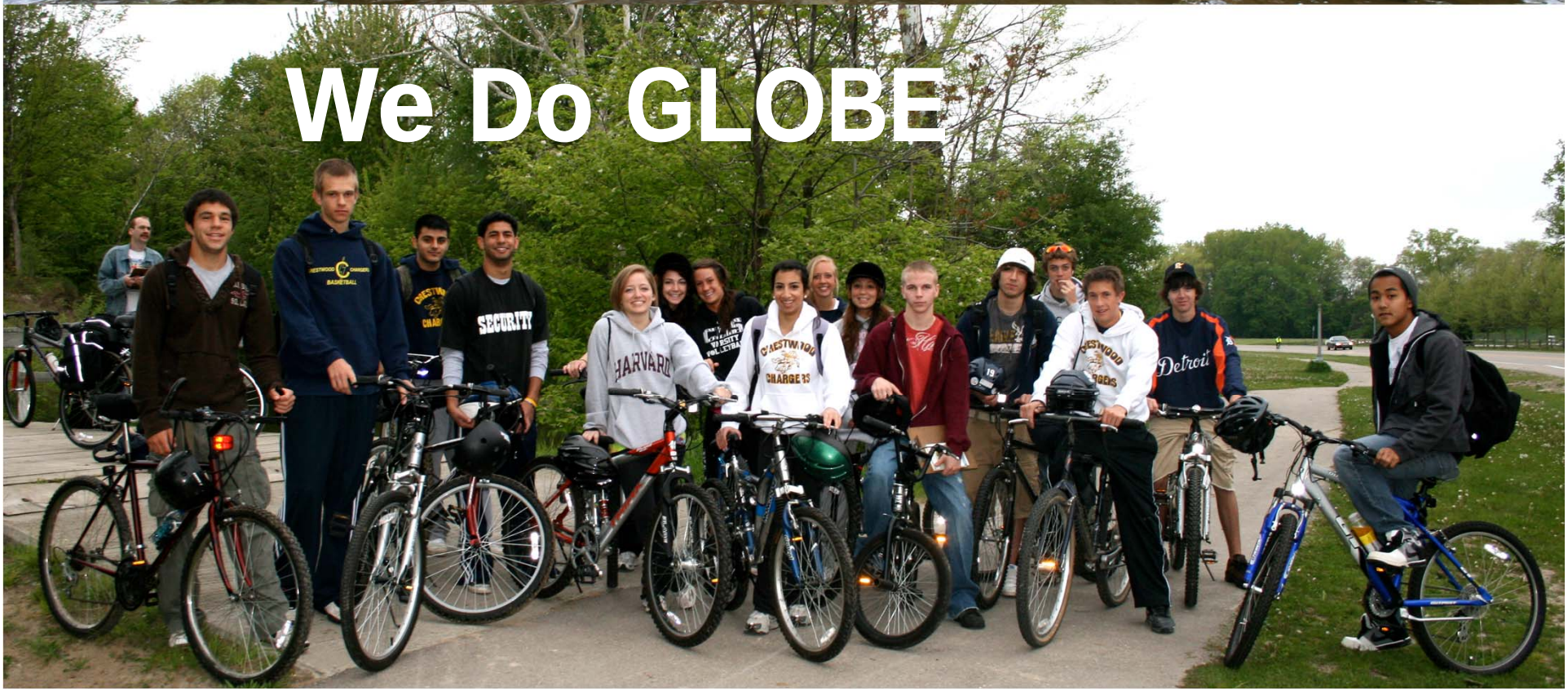
- Students see that the world is a bigger place than just their own backyards
- Students are recognized for their involvement
- A culture of inquiry is developed
- Are challenged to make a difference through research projects and environmental service

What do I want to more of with my classes?

- We want to include more monitoring of our “airshed”
- New NASA/GLOBE iPhotometer and Aeronet

CairClip Technology


I Do
GLOBE
They Do GLOBE


We Do GLOBE

Thank you to all that are here and who make it possible for my students to be involved in and to succeed in the GLOBE program!