

Michigan Geological Survey Report 4 from the K-12 Outreach Director, Peter Voice [Dec. 6, 2013]

New Items:

1. Scheduled lecture and tour of the MGRRE facility as part of the new Kalamazoo Geological and Mineral Society Lecture Series for Nov. 16. 25 people showed up.
 - a. Discussed Home Schooling Associations and Youth Groups Open House Day with Keith Agdanowski.
 - b. Met with Sheri Crum to discuss initial plans for joint CoreKids-K.G.M.S. Annual Show activities.
 - c. Did a half hour of hands-on activities with the kids – while waited for other people to show (miscommunication – the K.G.M.S. people invited their guests to show up at 3:30 instead of 3:00). Followed by a half hour talk and discussion. We ended with a 1.5 hour of the facility.
 - d. Also have organized with Bill Mitchell for having the K.G.M.S. meeting once a year at MGRRE.
2. Edited, advised and discussed MI Fossils Module with Nick Panyard and Ann Gilchrist.
 - a. Developing 4 sets of activities (posters and hands-on activities)
 - i. Mammoths vs. Mastodons
 - ii. Fossil Preservation
 - iii. Fossil Communities
 - iv. Michigan Fossils
3. Ann or I scheduled three classroom events – returning to classrooms she had already visited but with a new module!
 - a. Dec. 11 – St. Mary’s of Ann Arbor. Earthquake Module (31 kids)
 - b. Dec. 12-13 – Upton Middle School, St. Joseph. Earthquake Module (240 kids)
 - c. Jan. 21-22 – Gull Lake Middle School, Gull Lake. Earthquake Module. (330 kids)
4. I scheduled an event with WMU’s STEMulating Careers Day event as part of their Middle- and High school outreach program. January 18 (part of WMU’s Martin Luther King Jr. Day Events). We will focus on Michigan Natural Resources as well as careers in Geology. (~100 kids).
5. After discovering that we were nearly out of free give-away rock samples, I contacted Bill Mitchell from K.G.M.S., who provided me the contact information of Marve and Kittie Starbuck. They were able to provide me with ~100 lbs. of agate and chalcedony samples for \$40.00. They will also keep an eye out for nice, small samples for our outreach program.
6. Ann is working on a Natural Hazards Module on Volcanoes.

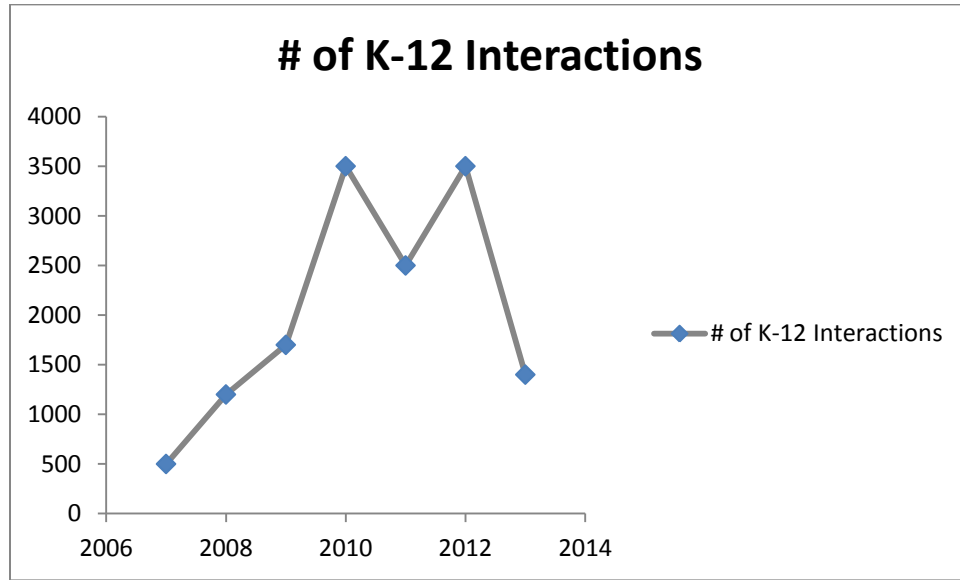
7. Exchanged emails with Laura Cross from the Kalamazoo Air Zoo. The Air Zoo is expanding its Education Department and plans on having day long science camps. They would like to have CoreKids/WMU Geology Club involved as guest instructors for short (1 hour) discussions/activities focused on Geology. I have already tentatively scheduled CoreKids for their Dec. 30 event – Jennifer Trout will run that event.
 - a. Laura has asked me to arrange a meeting with her and her colleagues at the Air Zoo to discuss this partnership – tentatively scheduled for either Dec. 17 or 19.
8. Chatted with Karen Laing (Math Teacher at Mattawan) about the possibility of events with their Environmental Science Teachers.
9. Still working with Heather Petcovic, Bill Cobern, Bill Harrison and Brian Horvitz to put finish up our MGRRE Education Portal Proposal for the NSF DR K-12 Proposal – proposals are due Monday Dec. 8.

Current Totals

Total K- 12 Student Interactions (As of July 2013)	1127
Total Adult Interactions (As of July 2013: Chaperones and teachers at events)	46
WMU Hydrogeology Field Trip; CMU Petroleum Geology Class (College Students); Saudi Arabia Geological Survey Visit; Geology Club	69
Total Teacher Interactions (As of July 2013: MESTA, Other Contacts, Workshop)	120
K.G.M.S. Seminar Series, etc.	27
<u>Total:</u>	<u>1389</u>

Projected Totals of Upcoming Events

Scheduled School Visits:	1,111
WMU STEMulating Careers Day Event:	~100
Cranbrook Institute Fossil Festival:	500?
DEQ Earth Day Festival:	~3,300
K.G.M.S. Annual Show:	~1,300
<u>Total Projected:</u>	<u>6,311</u>



Year	# of Kids
2007	500
2008	1200
2009	1700
2010	3500
2011	2500
2012	3500
2013	1400
total	14300

*2013 total only includes interactions from already finished events

