

GEOEDUCATION SUB-COMMITTEE
MEETING AGENDA
MAY 7, 2009
10 AM TO NOON
KENT COUNTY ADMINISTRATIVE COMPLEX
ROOM 221

- I. Attendees: Miriam Pomilio, Nicole Minni, Dusty Shockley, Kim Stratham, Bruce Allison, Maggie Legates, Danielle Lamborn, Helen Gieske, Wendy Modzelewski
- II. K-12 Contest - the group selected a theme for the 2010 K-12 GIS Contest, Maps Tell the Story: Planning for the Future. This theme would be open to a wide variety of entries. Some of the ideas we came up with include: Alternate energy, landscaping, watersheds, vacations, eco-systems, epidemiology, population shifts, and even where building should occur. We discussed the types of entries and decided to allow entries for Posters, Multi-media (PowerPoints, Videos, web pages, podcasts, etc.), and GIS generated maps. We also discussed competition categories which will be K-2; 3-5; 6-8; and 9-12. To give fairness to the judging, we discussed the possibility of having winners for every type of entry and every category (i.e. K-2 Poster, K-2 Multimedia, K-2 GIS Map, etc.). We will advertise the contest to the teachers through I-TUG list serve, the Delaware Geographic Alliance, GIS Day, Science Coalition, and the Social Studies Coalition. The entries will be pre-judged before the GIS Conference and the top 3 in every category will be displayed and final winner voted for at the Conference.
- III. GIS Day 2009 – November 18, 2008: Megan Nehrbas, the chair of this event wasn't present, but Danielle Lamborn and Miriam Pomilio gave an update. The event will be almost identical to last years: field trip format, held at the Dover Air Mobility Command Museum, Earth Balloon, etc. Some changes will be that all stations will be activity oriented for the students, more time for the computer lab, perhaps accommodate an entire grade level from each school. Other ideas that came up through our discussion today were to advertise the K-12 GIS Contest at this event by displaying posters of previous winners and their entries as well as handing out flyers to the teachers attending the event. Wendy also suggested we look for volunteers from the Honor Society and the key clubs. We also discussed publicity of the event and the possibility of getting WBOC and the Dover Post to cover the event.
- IV. Workshops/School Events – Nicole has been working in the classroom with a variety of schools. First she has worked with Beacon Middle School and worked the Hurricane Mitch GIS Lesson with Chris Lenhart's 8th grade class. Nicole will also be working with Rehoboth Elementary in the coming weeks with her daughter's First-grade class. Upcoming events for outreach include "What in the World" career day in the Cape Henlopen School District. Nicole and possibly Megan Nehrbas will be attending this event. Maggie Legates is helping a Third-grade teacher at Eisenberg Elementary in Colonial School District (Tom Gavin) with a GPS event coming up at the end of May. Maggie

indicated she is lending them her GPS units and they will be doing an economics unit. Miriam said she plans to work with teachers at Southern Elementary in Colonial School District on a GPS event near the end of the school year.

V. Lesson Plans for GIS and/or GPS

- a. Nicole and Miriam have been meeting with Dusty Shockley and Kim Stratham from the DOE Social Studies Curriculum section to incorporate a GIS lesson into a new lesson they are developing. Nicole and Miriam will modify an existing lesson plan from the Mapping Our World series from ESRI to use the free-software ArcExplorer Java Edition for Educators (AEJEE). This lesson plan fits nicely into the newly developed Social Studies lesson plan and looks at the Yemen and Saudi Arabia border. This lesson would be part of their Pilot Project with several school districts. Wendy suggested that we get information to her regarding the software requirements since she was meeting with the Tech specialists and putting together the plan for next year. This would eliminate hassles next year and provide them with the information necessary to get the software on the appropriate computers. Wendy also suggested that when we get to training that we consider the use of Illuminate to allow remote training for the teachers.
- b. Miriam would like to re-work an existing Signature Lesson Plan from the Social Studies Coalition that Ms. Miller and Ms. Deinert put together for Mapping Changes. This lesson plan looks at changes over time in Delaware. Miriam will be contacting Elisa Pruder of the Social Studies coalition regarding the re-working of this lesson plan.
- c. Miriam is working with Lori Roe from Cape Henlopen School District to develop a Virtual Field Trip exploring the Geology of the Piedmont region of Delaware. They have collected the photos and video of the field trip and will be working towards creating a Virtual Field trip using Google Earth as a background. The field trip will include text, photos, video and links to the Delaware Geological Survey for additional information about the Piedmont Geology. The goal is to have this completed by July 2009.
- d. Helen Gieske is working on a Science lesson plan for Volcano and Plate Tectonics. She had hoped to show us all her lesson, but we didn't have a computer or projector today. Helen explained that she is working on creating paper maps for the lesson plan because computer access and technology roadblocks exist in most schools. Helen has contacted the publisher of her source material for permission to use the data from their book. Miriam may be able to assist with getting permission to use the USGS data. Helen will share the information with Miriam and hopefully we'll be able to present it at our next meeting.

VI. Next Meeting will be held in Early August 2009. The date will be announced.