

GIS Day 2010

Wednesday, November 17, 2010

HACC and the Commonwealth of Pennsylvania are hosting GIS Day 2010 at HACC's Midtown site. Students and teachers can choose 2 of 3 workshops to attend, then all students will learn about GIS and Green job opportunities. The high school portion of the event runs to 12:00pm, but schools are encouraged to stay for the afternoon sessions (tentative schedule for afternoon sessions attached) and to visit the GIS exhibit hall which will feature a number of GIS companies, state agencies, higher education institutions, and GIS nonprofit agencies.

8:30am-9:00am	Student Registration (Lobby)
9:00am-9:30am	GIS Day Kick Off (Library)
9:45am-10:20am	Session 1 (see descriptions below)
10:25am-11:00am	Session 2 (see descriptions below)
11:15am-11:45am	GIS and Green Job Opportunities
11:45am - ???	Visit GIS Exhibit Hall
12:00pm - ???	Additional Workshops (optional)

Workshop Descriptions (students pick two):

Retail Site Selection

Ever wonder how Target or Walmart figured out where to put their next store? Come find out how in this session that uses GIS and data visualization to help decision makers understand their customers and their demographics.

GIS and Nuclear Emergency Response

There has been a nuclear meltdown at Three Mile Island. You need to determine who is in the fallout area, what are the evacuation routes out of the fallout area, and if YOU or any of your classmates are in the fallout area. In addition, you need to make a map of your analysis to deliver to the local news station. AND, you only have 35 minutes to do this all!

Promoting Land Preservation Through 3D Simulations

Learn how the Appalachian Trail Conservancy is working to save White Rocks, an 800 acre parcel of prime eastern hardwood forest from development through the use of 3-D visualization. White Rocks is the area surrounding the world famous Appalachian National Scenic Trail and popular White Rocks side trail in Central Pennsylvania. Recreationalists view both sides which is currently private land, which in the past has been slated for development.

Often times it is hard for communities to understand what the visual impact of mountain side development can be; but through use of Community VIZ, GIS, and Google Earth we can show what development density and impact to natural or cultural resources looks like. In this session, you will learn how to take GIS layers from ESRI programs into Google Earth's to visualize and analyze impacts in 3-D.

To register yourself and your students for this event, simply fill out the attached form with the student's name and first two choices for workshops. You can return it to me via email, nlernst@hacc.edu or by fax 717.901.7388. Please submit your registrations by October 29, 2010.