

GIS for Education Workshop
Green River Community College
TC – 206-208
May 19th, 2012

Outcomes:

By the end of the workshop participants will understand:

- Basic GIS functionality
- File management and workspaces
- How to use GIS spatial thinking in the classroom
- How to use ArcGIS Online and ArcGIS .com. The benefits and challenges of using web-based GIS in education.

Intended Audience: K-12 educators who have basic computer experience, an interest in geography and/or spatial thinking, and who would like to get started or expand their ability to use GIS software in the classroom.

SCHEDULE

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| 8:00 AM | Check-in and continental breakfast |
| 8:30 AM | Welcome and Introduction |
| 8:40 AM | Session 1: “Why GIS in the Classroom?” Teaching with Web GIS – speed the ability of educators to meet spatial learning challenges. Presentation and Demo of GRCC school forest data. |
| 10:10 AM | Break – Midmorning Refreshments |
| 10:25 AM | Session 2: Exploring ArcGIS Online - practical exercise Demographic Analysis.
Map viewer <ul style="list-style-type: none">• Search for layers from ArcGIS online• Add layer from file• Create editable layer• Create a map and share it |
| Noon – 1:00 | Lunch |
| 1:00 PM | Session 3: Continue working with Practical exercises from the area of participant’s interest. Or GRCC tree inventory exercise |

- 2:30 PM **Break** – Afternoon Refreshments
- 2:45 PM **Session 4:** Practical applications using GPS. Exploring ArcGIS Explorer on line:
Practical exercise using GPS and ArcPad to collect data
Adding .csv text files and .gpx (GPS formatted) data in a practical exercise from
GRCC soil forestry class.
- 3:45 PM **Break**
- 3:55 PM **Session 5:** Open discussion about bringing GIS into the classroom. Share your
project ideas and plans for student participation with GIS.
- 4:30 PM **Final** Certificate of Participation / Departure
- 5:00 PM **Adjourn**

Note: The practical applications might be changed to cover the ideas from the participants' areas of interest. We would encourage participants to work with their own data they bring.

This workshop is designed to inform educators about the advantages of bringing Geospatial thinking and GIS technology into the class room.

If you have an idea or topic that you would like to solve with GIS, please email Dr. Jabbouri by April 27th (email: sjabbouri@greenriver.edu) with the following information:

1. What is your experience using hard copy/digital maps, GPS, surveying equipment, remote sensing imagery, or GIS? (Bring your own GPS unit if you have one).
2. Educator's area of interest or class/subject and grades taught.
3. Do you have a particular project using GIS that you would like your students to work on, or are there particular areas where you think you need help to apply GIS spatial thinking into your class?.
4. What do you expect to get from this one day GIS workshop?