

## What Is a GPS 2 GIS Adventure?

Discover the rapidly growing benefits of GIS and GPS as new and essential tools for student learning in the 21<sup>st</sup> Century. This course will provide grades 3 - 16 educators with information about **GIS** (Geographical Information System) and **GPS** (Global Positioning System) technologies, why it is important in education, and ways of implementing this technology into the school curriculum.

The first part of the class will provide teachers with basic GIS knowledge and how to work with **ArcExplorer Java Edition for Education** (AEJEE) in the classroom. Hands-on activities, GIS software and GIS data will be provided.



The second part of the class will provide teachers with the basic concepts of GPS, how to use the GPS unit, collect data and then use the results with a GIS application.

As an added bonus, this year's GPS2GIS class will use the **historical town of Petersburg** and **Lincoln's New Salem State Historical Site** to map and gather data!

No prior GIS or GPS experience is necessary; however, the following computer skills are recommended:

- the ability to use Windows Explorer (PC)
- making folders,
- moving files from the CD to a specific folder,
- and navigating the folder structure.

## What Will You Receive?

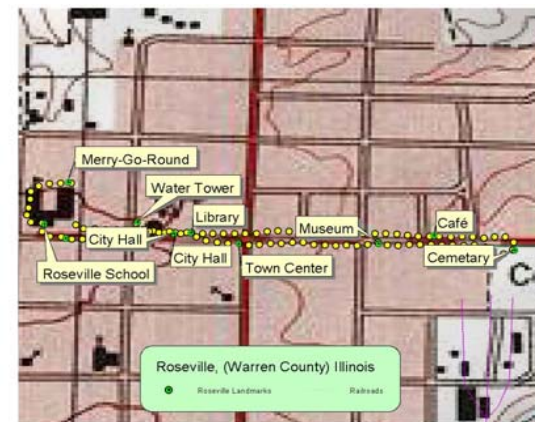
- Two semester hours - 30 hours of instruction – usually completed in four days. ( 2 semester hours of graduate workshop credit - optional).
- Teacher to student ratio is usually 1 trainer per 8 teachers (we don't let people fall behind!).
- Ongoing hands on experience and repetition so educators will feel comfortable with these new technologies.
- 300 page manual that we created with **step-by-step** instruction with pictures as well as several activities for the classroom.
- CD 1 - customized GIS data for all the counties of your state. The data has also been prep to make it easy for teachers and students to use.
- CD 2 - customized georeference topographic maps centered on each school (or special area that teachers might want) as well as the training center. This way what we do at the training center can also be done back at each school.
- CD 2 - DNRGarmin GPS Application software to download the GPS data into a GIS format.
- CD 3 - **ArcExplorer Java Edition for Education** (AEJEE) software for the GIS component of the class. This software can be installed on all school computers for free.
- A lot of "extras" in terms of materials to use in your classroom.
- Ongoing free support after the class – we are still working with past students from six years ago!
- Specially designed web page for educational and classroom resources, discussion area, and chat for educators to use.

*CPDUs will be available*

**Optional:** *College Graduate Workshop Credit through Quincy University  
Email: [team@gis2gps.com](mailto:team@gis2gps.com)*

## What Do Our Classes Have To Offer?

- This is a hands-on educational experience for teachers who want to understand how GIS and/or GPS can be integrated across the curriculum to enhance student learning and decision-making.
- This is an opportunity to be inspired by a unique group of professional 3<sup>rd</sup> - 16<sup>th</sup> trainers who have motivated teachers and students to explore the potential of GIS and GPS both in and outside the classroom.
- You will not find this type of program anywhere else in the Midwest area! Classes are designed with the ultimate goals of teaching others how to use and apply GIS and GPS in real-world student-centered projects.
- This is a great place to meet other dynamic educators looking for creative ways to increase student learning and meet academic standards!



## Who Should Attend?

All 3 - 16 grade preservice and inservice teachers, educators and school technology coordinators who want to support students in exploring the world in a problem-solving, computerized environment.

**Contact: the GIS2GPS Team  
for more information:  
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(217) - 632 - 0263**