

## 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<sup>rd</sup> - 12<sup>th</sup> teachers 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 ArcVoyager 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 Havana** and **Dickson Mounds Museum** to map and gather data!

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

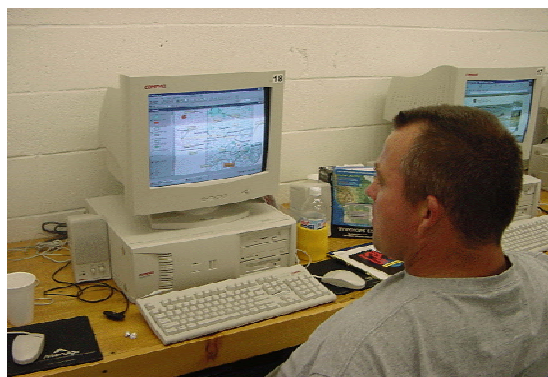
- the ability to use Windows Explorer (PC)
- making folders,
- moving files from the CD to a specific folder,
- and navigating the folder structure.

## What Will You Receive?

Teachers will receive:

- 30 hours of hands-on training, fieldwork and theory. ( 2 semester hours - optional)
- A complete manual of all the activities and "how to" will also be provided.
- ArcVoyager Special Edition software
- GIS Data CD of every county in Illinois
- Customized georeferenced topographic map of their school so they can recreate the same activities at their school.
- Garmin GPS 60 unit\*\*
- USB data cable for GPS unit\*\*
- TOPO! GPS USA software\*\*

**\*\* Option to purchase — 25% - 30% off!**



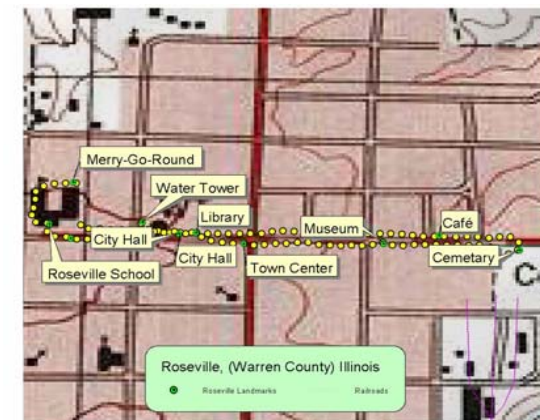
*CPDUs will be available*

**Optional:** College Graduate Workshop Credit through Quincy University  
*Email: 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> - 12<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<sup>rd</sup> - 12<sup>th</sup> 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**  
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