

## Who is the GIS2GPS Team?

### Ed Gorny

Ed Gorny is the past Math Department Chair and Technology Chair of Jefferson Junior High. He is now focused on using his expertise as a technology consultant. He has also been involved with staff development for educators and other professionals across the Midwest. His background in math and geography makes this a natural tie in to GIS and GPS. Ed is also the only ESRI - K-12 certified GIS trainer in Illinois. He also holds an M.A. in Geography with an emphasis on Geographic education as well as a B.S. in Mathematics. He was also a master trainer for the U.S. Department of Education at Argonne National Labs.

### Nancy Gorny

Nancy was a LRC Director and technology specialist. Her background is in geography, map libraries, researching and class development. Her research has been focused on historical data and locations. She has also been involved with staff development for educators and other professionals across the Midwest. Nancy is also ESRI trained for K-12 GIS training and integration. She also holds a M.A.T. and a B.S. degree in Geography. She was also a master trainer for the U.S. Department of Education at Argonne National Labs.

*The GIS 2 GPS Team is a  
Illinois Professional Development Provider.  
College Graduate Workshop Credit is  
through Quincy University.*

Need more information?

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visit our web sites at:

[WWW.ILEGA.ORG](http://WWW.ILEGA.ORG)

[WWW.GIS2GPS.COM](http://WWW.GIS2GPS.COM)

## How is GPS Being Used in the Classroom?




### GPS In Education and Schools

- Collecting real data
- Scientific field studies
- Mapping projects
- Community projects
- Social Studies
- Mathematics
- Service-based learning
- Scavenger hunts
- School boundaries
- Bus routings
- Inventories
- Data collecting
  - individual schools
  - playgrounds
  - school repairs
  - student residences



### Illinois Educational Geocaching Association

The Geocaching Portal for Illinois Educators  
[WWW.ILEGA.ORG](http://WWW.ILEGA.ORG)



### Geocaching in Schools

*Many teachers have taken the idea of geocaching and added it to their curriculums.*

- **Mathematical multi geocaches:** the first cache found includes problems to determine the coordinates needed to take the geocacher to the next caches
- **Science & environmental geocaches:** use real locations to teach what is happening around them
- **Historical geocaches:** locate and teach local history
- **Community virtual caches:** answer a question about the landmark to prove you found the "cache"
- **PE activities:** teach orienteering



ESRI K-12  
Authorized  
Teaching Program



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ESRI K-12  
Authorized  
Teaching Program

# Have GPS Will Travel!

June 12 - 14, 2012


Marion Unit 2 District Office  
1700 West Jefferson St.  
Marion, Ill.




Sponsored by:  
ROE #21  
and the  
GIS2GPS  
Team



## The Ultimate GPS Hands-On Workshop for Educators!



### Why Use GPS In Schools?



- To create meaningful, learning activities for 3<sup>rd</sup> - 16<sup>th</sup> grade students.
- To integrate GPS technology into mathematics, science, language arts, and social studies.
- To provide problem-based learning with authentic assessment.
- To have students learn GPS and mapping skills so they will gain a set of highly desirable skills for future employment in business, industry and government.