

Who is the GIS2GPS Team?

Edward Gorny, Jefferson Junior High

Ed Gorny is the past Math Department Chair of Jefferson Junior High. He is now focused on using his expertise as a technology instructor at his school in Woodridge. 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.

Nancy Gorny, Retired

Nancy was the LRC Director at Naperville North High School. Her background is in geography, map libraries, researching and class development. Her research has been focused on historical data and locations. Nancy is also ESRI trained for K-12 GIS training and integration. She also holds a M.A.T. and a degree in Geography.

Denis Kazelas, Marist H.S. - Chicago

Denis Kazelas is the past Science Department Chair and is presently a chemistry instructor at Marist High School. His science background and constructionists approach to learning developed in Illinois "teach(dot)chem." and Boston University "VMDL" blend to evolve a perfect partner with GIS and GPS. He also holds a M.A. in chemistry and science education.

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

How is GPS Being Used in the Classroom?




GPS Educational Applications

♦ **Innovative research** by teachers and students:

- Water quality	- Census data
- Landscape features	- Historic sites
- Wildlife population	- Archeological features
- Crime investigations	- Weather studies
- School mapping	- Tree inventory
- Historic movement	- Bus routing
- Community studies	- Cemetery studies

MISSION: ILLINOIS



Geocaching in Schools

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

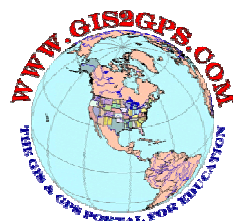
- **Mathematical multi geocaches:** the first cache found includes problems to determine the coordinates needed to take the geocacher to the next caches
- **Science & environmental geocaches:** use real locations to teach what is happening around them
- **Historical geocaches:** locate and teach local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



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Have GPS Will Travel!




June 16 - 18, 2008
St. Christopher School
14611 S. Keeler Ave.
Midlothian, Ill. 60455



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**The Ultimate GPS
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#1 - Why Use GPS In Schools?



- To create meaningful, learning activities for K-12 students.
- To integrate GPS and technology into mathematics, science, language arts, and social studies.
- To provide problem-based learning with authentic assessment.