

## What Is “Have GPS Will Travel”?

### **An Introductory Class to GPS & GPS Units**

As we know there are always people you want a slower approach to new technologies. There is also a developing national push to bring **geospatial technologies** into the lower grades. In this case, GPS by itself would be great for lower grades (3<sup>rd</sup> up for sure, some teachers in 2<sup>nd</sup> grade have tried it) all the way to 16<sup>th</sup> grade.

For this scenario our **Have GPS Will Travel** class would answer your needs. This class is very popular as people are hearing more and more about GPS in the news.

This class is a hands-on introductory level class to GPS units. It is designed for all educators who wish to learn what GPS is and how to use it as a tool with their students in the classroom. Teachers will learn what GPS is, how to work with a GPS unit, initialize it, program it, collect data, enter data, clear data and how it is used in the real world and why it is important in education.

Topics like Geocaching, Geotagging Pictures and Scavenger Hunts will be covered and experienced in the class. What is possible with GPS data will be explored and demonstrated in terms of mapping. No prior GPS or computer experience is necessary.



**No prior GPS experience is necessary. The course is designed to expose the teachers to this new evolving technological tool called GPS. The class will provide teachers with an understanding of what GPS is, what it does, how to use one as well as how to use it in their classroom. It will also provide the teachers actual fieldwork experiences performing the basic operations of using a GPS unit.**

## What Will You Receive?

Teachers will receive:

- One semester hour - 15 hours of instruction – usually completed in three days.
- 200 page manual that we created with **step-by- step** instruction with pictures.
- We do plenty of hands-on activities with the GPS units as well as outdoor fieldwork.
- CD 1 - includes special software from Garmin so teachers can capture actual screen shots of the GPS screens if they want to develop their own materials.
- CD 1 - Trimble's GPS video which is one of the few available videos about GPS for educational use as well as their agricultural related video on GPS and farming.
- CD 2 - Garmin's BaseCamp - works on MACs and PCs that interfaces with Google Earth which brings in remote sensing.
- CD 2 - Geotagging Activity included so teachers can learn the “How to” in geotagging pictures.
- Each teacher will have their own GPS unit to use for all the activities.
- Garmin GPS 72H unit\*\*

**\*\* Option to purchase at a discount**

 **Do you want students to ...**

- *engage constantly in critical thinking? \**
- *integrate knowledge from multiple subjects? \**
- *build a rich grasp of global topics? \**
- *work on community-based investigations? \**
- *employ the same advanced technology currently used by business and government? \**

– \* NCLB & Learning for 21<sup>st</sup> Century Report  
– \* Partnership for 21<sup>st</sup> Century Skills Report  
– \* Six Essential Learnings - ISBE

**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 formal and non-formal teachers who want to understand how 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 K-16 trainers who have motivated teachers and students to explore the potential of GPS 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 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> -16 grade preservice and inservice teachers, formal and non-formal 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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