



**Teaching With Spatial Technology**



Teachers Grades 6-12

Montana Association of Registered Land Surveyors and the National Council of Examining Land Surveyors and Engineers will sponsor teachers to attend the Teaching with Spatial Technology (TwIST) program being offered in June of 2018. The venue has not been determined at this time but updates will be posted at MARLS.com as information becomes available. This workshop is designed to teach educators how to use Geographic Information Systems (GIS) and Global Positioning Systems (GPS) in the classroom. The skills and knowledge obtained through this course will allow teachers to create lesson plans to captivate and engage the minds of students with hands-on activities and modern technology.

**What do the educators get out of it?**

- Skills and knowledge to create exciting lesson plans utilizing GPS and GIS technology
- A Garmin GPS handheld receiver and PC cable for downloading data
- ESRI GIS Software to utilize in your classroom
- Hand Compass, thumb drive and other training materials
- Approved for 25 Professional Renewal Units by OPI
- A great experience and learning opportunity

**What does the Montana Association of Registered Land Surveyors get out of it?**

- A partnership with educators who will have a better knowledge and understanding of our profession and can help recruit students into the land surveying and mapping industries.

**PAST ATTENDEES TESTIMONIALS**

*Available to teachers is a wonderful program called TwiST (Teaching with Spatial Technology) that is a one week course to be held in June designed to teach K-12 teachers how to use Geographic Information Technology (GIT) in the classroom. I attended a few years ago and gained a greater perspective and appreciation of the field of surveying and learned how to do some spatial orientations. They gave each student a handheld GPS (among other things). I've been able to use the information learned there as I teach, sometimes in a specific way but often just in a broader sense of adding a comment to the material that we're covering. The teachers were excellent and it was a privilege to meet and work with other instructors. I hope one or more of you might be able to attend this year." ~Debbie Sande*

*"I would recommend this workshop to any interested teacher. This project-based experiential learning will provide new learning opportunities for my future students whose lives will be increasing affected by these technologies and whose future jobs might be directly related to one. As a teacher, the appeal of the workshop content is quite broad." Mark A. Drew, Math Teacher at Glacier High, Kalispell, attended in 2015*

**CONTACT US!**

If you are interested in participating in TwiST, contact  
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**Sponsors:**

Montana Association of Registered Land Surveyors  
National Council of Examiners for Engineering and Surveying (NCEES)  
Western Federation of Professional Land Surveyors (WFPS)