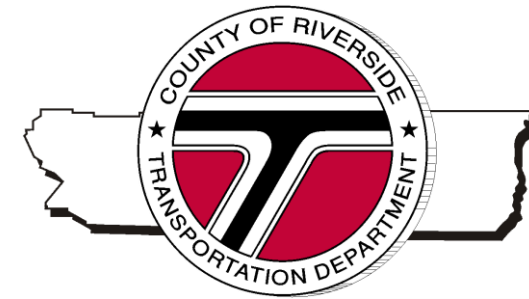
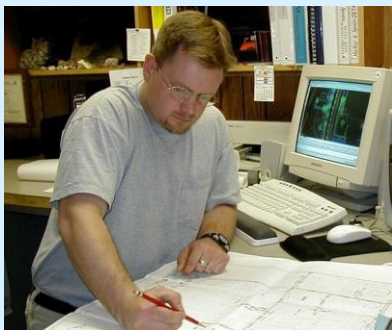




**The purpose of the Trig★Star program is:**

- To promote excellence in the mastery of mathematics in high school.
- To honor high school students who have demonstrated their superior skill among classmates at the local, state, and national levels.
- To acquaint high school students with the use and some practical applications of mathematics in the Geomatics professions.
- To build awareness of Geomatics as a profession among mathematically skilled high school students, career guidance counselors, and high school math teachers.



**MSJC**

MT. SAN JACINTO COLLEGE

For more information contact  
your local CLSA Trig-Star  
Coordinator:

Tim Rayburn, or Dave McMillan at  
[trayburn@rctlma.org](mailto:trayburn@rctlma.org)  
[dmcmla@rctlma.org](mailto:dmcmla@rctlma.org)

or

Southern California Coordinator  
Greg Sebourn at:

[GregSebourn@johnson-frank.com](mailto:GregSebourn@johnson-frank.com)  
Photographs provided by Hagedorn, Inc.,  
R.J. Zimmer, C.E. Whitten, and MacKay &  
Sposito, Inc. Created by: Erin Dunbar

Event Location: MSJC 1499 N. State  
Street San Jacinto, Ca 92583  
Time: Saturday, 3/17/12, 9am – 1pm



## What is Trig★Star?

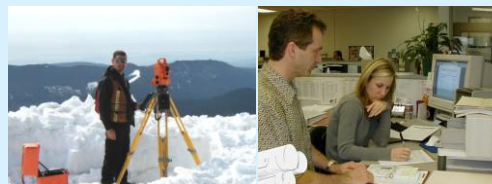
Trig★Star is an annual high school mathematics competition based on the practical application of Trigonometry. Students that participate are not only provided with an opportunity to earn awards, but also leave with a better understanding of the technical professions of Geomatics, which includes Land Surveying and Mapping.

Professional Land Surveyors use the Trig★Star program to advance communication with the communities they serve. Local Land Surveying and Civil Engineering companies provide professionals who volunteer their time to explain how trigonometry is used to solve Land Surveying and Mapping problems.



## What happens during the Trig★Star Contest?

There may be a presentation by a Land Surveyor from one of the local surveying companies to help participants understand the Geomatics professions. The exam is a timed exercise of one hour, during which students must solve trigonometric problems that incorporate the use of right triangle formulas, the law of sines, and the law of cosines. Winners are determined by the most correct answers in the fastest time. The Trig★Star program, in the State of California, has three levels of testing and awards.



## TESTING LEVELS & AWARDS

### First Level

#### \*LOCAL LEVEL\*

Sponsored by:  
**Riverside / San Bernardino Chapter of The California Land Surveyors' Association**

This level of testing is given to local high school students with awards decided by the local CLSA chapter.

**Overall 1st** - \$200 student award.  
**Overall 2nd** - \$100 student award.  
**Top @ school** - \$50 student award.

### Second Level

#### \*\*STATE LEVEL\*\*

Sponsored by:  
**The California Land Surveyors' Association**

Scores for each local winner are ranked throughout the state to determine the two top scores. The awards are as follows:

**1st** - \$1,000 student award.  
**2nd** - \$500 student award.

### Third Level

#### \*\*\*NATIONAL LEVEL\*\*\*

Sponsored by  
**National Society of Professional Surveyors**

The State winner can advance to the National level, if they so choose. The awards are as follows:

**1st** -Student \$2000 scholarship, Teacher \$1,000 cash  
**2nd**-Student \$1000 scholarship, Teacher \$500 cash  
**3rd**-Student \$500 scholarship, Teacher \$250 cash

