

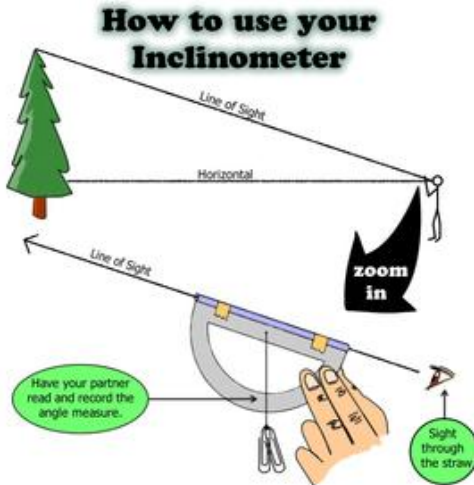


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### (S.D.)-Custer Students Practice Trigonometry In Wind Cave

By: Roxie Graham-Marski Posted at: 03/14/2014 11:42 AM



(WIND CAVE NATIONAL PARK, S.D. )-Students from the Custer High School took a trip to Wind Cave on Wednesday. Teacher Kathy Bradeen's pre-calculus class used their trigonometry skills to survey Wind Cave and determine the distance between two elevator landings in the cave along with mapping the cave's Garden of Eden tour route.

The students used a compass, measuring tape, and inclinometer (which measures the slope of the passage), to survey parts of Wind Cave.

Expert cavers explore the cave in much the same way. Exploration involves more than just finding a passage. Survey equipment is used to map the cave, and careful notes and sketches are made to record things found in each passage.

Wind Cave is one of the most complex maze caves in the world, making it challenging to explore and very easy to get lost. Even with 123.09 miles [198.09 kilometers] of passages explored, only a small fraction of what is beneath the rolling hills of Wind Cave National Park has been found.

For more information on Wind Cave, visit <http://www.nps.gov/wica/index.htm>.

(Questions? Comments? E-mail [news@chadrad.com](mailto:news@chadrad.com).)