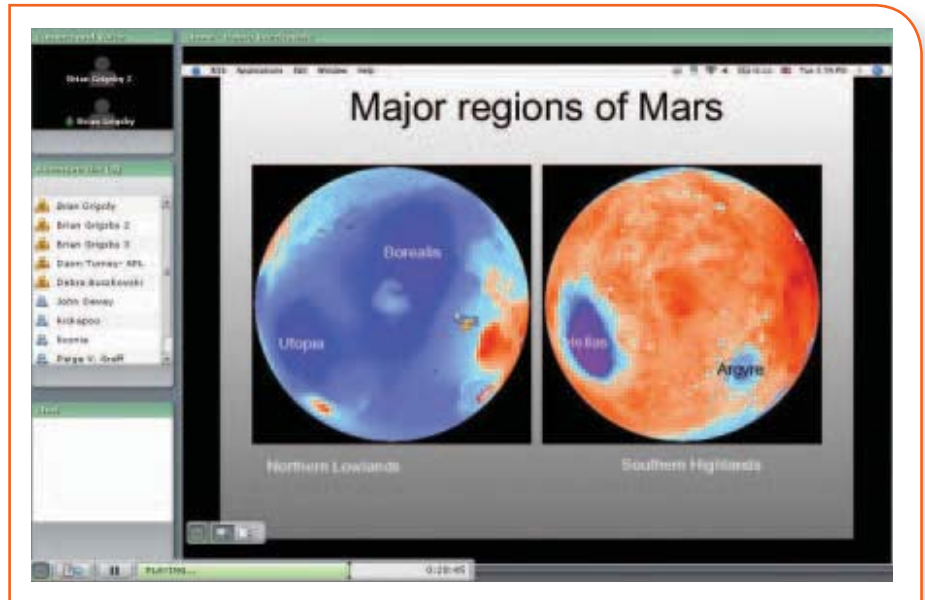


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This training slide teaches students about Mars geography.

every year in Houston, Texas. LPSC is a five-day conference that brings together international specialists in petrology, geochemistry, geophysics, geology, and astronomy to present the latest research in planetary science. Students worked with real data and then wrote and submitted three abstracts that were accepted at last year's LPSC conference. Two of the teams were able to raise the money to attend the conference and present their findings to their peers. In this case, their peers were world-class scientists.

MESDT participating teams even had their data released with Google Earth 5.0, which included Google Sky and Google Mars.

"We've been really impressed by the students' enthusiasm and ability to master complex concepts and software," said Kim Seelos, a member of the CRISM science team at APL and mentor to one of the teams. "Working with us allows them to see how the scientific process works, while they also get a chance to make real contributions to an important NASA mission."

The opportunities for students to work side by side with real NASA scientists provides the inspiration for students to pursue STEM-related careers and become the next generation of explorers.

How to Participate

MESDT is open to high school and undergraduate students. Teachers can apply online at <http://marsed.asu.edu/mesdtform.php>. For more information on MESDT, contact Brian Grigsby at Brian.Grigsby@asu.edu or visit <http://mesdt.asu.edu>.

Resources

Arizona State University's Mars Education Program: <http://marsed.asu.edu>
Compact Reconnaissance Imaging Spectrometer for Mars: <http://crism.jhuapl.edu>
Mars Exploration Student Data Teams: <http://mesdt.asu.edu>



Brian Grigsby coordinates the MESDT program and is also a science teacher and department chair at Shasta High School in Redding, California. Grigsby has a master's degree in science education and previously worked for the Mars Education and Outreach Program at Arizona State University.

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