



ROPER MOUNTAIN SCIENCE CENTER

Do you want your students to experience a Tropical Rain Forest and see an amazing ecosystem as well as some of the Incredible Invertebrates that inhabit it? Perhaps you'd like them to witness a live demo of physical science using everyday objects, dry ice and liquid nitrogen as they learn about liquids, solids or gases? Or maybe you would like to take them back to the 1840's on a trip along the Oregon Trail? Using your video conferencing equipment, we can make that a reality for your classes.

Our Electronic Field Trips (EFTs), which fit into a 45 minute class period, can take you to a whole new world while never leaving the building. No buses, no permission slips, no chaperones, and no lunch reservations: we come to you in your own classroom. Any information you need beforehand (vocabulary, graphic organizers, maps, classroom layout, division of students) is provided by our website as are all the materials that you will need to print before the day of our connection.

We currently have four offerings that you can reserve. They are:

Super Cool Science, a lab full of experiments involving dry ice and liquid oxygen. Students will learn about liquids, solids and gases as well as condensation and sublimation. Second and Third Graders.

Incredible Invertebrates of the Tropical Rainforest is a trip to the rainforests of Costa Rica. There will be some footage and discussion of vertebrates and the ecosystem but the main emphasis will be on invertebrates. Students will be guided through observations and will learn about classification and adaptations of the world's largest body of animals. Third and Fourth Graders.

Wagons West starts with your students divided into three "families" that each have their own spending money. They will bid on items for the trip during our live auction and have to travel with the items that they selected. The students will then follow their journey on a map while also calculating distances along the trail. The emphasis is on being a child on this two thousand mile journey. Major landmarks will be shown and discussed as well as the realities of the trail. Fourth Graders.

What Do Telescopes Do? shows the development of the telescope from Galileo to the Hubble and beyond from here at Roper Mountain, home of the 8th largest refracting telescope in the United States. The students will learn how telescopes work and also something about lunar and space exploration. Different slides of the moon and Saturn will be examined so the students can compare and contrast them. Fourth Graders.

All of our EFTs can be found at <http://www.ropermountain.org> or you can access our products at cile.org. You can communicate directly with me if you have any questions about content and/or availability. All tools necessary to implement them in your classroom are on the web site. Standards are also included. Our electronic field trips can accommodate the average class size of 18 to 30 students and cost \$100.00 for the first one and \$75.00 for more on the same day up to a total of four.

If you are interested in learning more about our distance learning opportunities and have a teacher in-service or Professional Development days planned, I would be happy to provide a short demo and/or explanation of exactly what an Electronic Field Trip entails to your group for no charge.

Thank you for your consideration and I look forward to working with you in the future.

Kathie Fox
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