Virtual Field Trips

April

What's Happening in April?
Earth Day (April 22)
Holocaust Remembrance Month
Math Education Month

Earth Day (April 22)

Boonshoft Museum of Discovery
Dayton, OH

URL: http://www.boonshoftmuseum.org/ep/distanceLearn.php3
Contact: (937) 275-7431 ext. 116 or education@boonshoftmuseum.org

Cost: $85
Session Length: 1 hour
Advance notice required: 1 month

Take a "Journey to Planet Earth" is a video journey to 3 different parts of the world; from New York City to Mexico City. Students will learn about the dangers of human influence on the environment and on environmental issues that span the globe, as well as how people are trying to improve the environment with education, community action, and teamwork. Students will also participate in hands-on, interactive activities that will convey important environmental concepts. This program is appropriate for students in grades 5 through 12.

Holocaust Remembrance Month

Holocaust Memorial and Tolerance Center Of Nassau County
Glen Cove, NY

URL: http://www.holocaust-nassau.org/
Contact: Regina T. White at (516) 571-8043 or drrwhite@holocaust-nassau.org

Cost: $125
Session Length: 60 minutes
Advance notice required: 2 weeks

The center offers three videoconferences appropriate for students in grades 6 through 12. *Children of the Holocaust* focuses on what happened to children during the Holocaust period. A survivor who was a child during the Holocaust will be interviewed. *Heroes of the Holocaust* focuses on those people who risked their lives to save the lives of others, and includes an interview with a survivor who will tell about the person who was their "hero." *Resistance and the Holocaust* focuses on the different ways people resisted during the Holocaust.

Math Education Month

NASA Digital Learning Network
Houston, TX

URL: http://nasadln.nmsu.edu/dln/content/catalog/
Contact: (281) 244-7325 or jsc-dislearn@mail.nasa.gov

Cost: Free!!!
Session Length: 60 minutes
Advance notice required: 2 weeks

Rocket Science

The *Rocket Science* event demonstrates real world applications of math and science principles as applied to rockets. This IS rocket science! It shows participants why they "have to learn" graphing, problem-solving using fractions or decimals, scientific notation, trigonometry, geometry, algebra, and vectors. Newton's Laws of Motion, forces, moments, center of gravity, and the basic thermodynamics principles of energy, work, and power are also demonstrated. RocketModeler, a computer simulation program that allows students to design and "fly" a variety of model rockets on their classroom or home computers, is demonstrated. Presentations are prepared in collaboration with the requesting teacher to re-enforce topics being taught in the classroom.

Moon Math

Moon Math is an opportunity for students (target audience grades 5 - 8) to conduct an experiment to enhance their measurement skills. Through a series of three videoconferencing events, students will learn basic measurement skills and how to apply them in a scientific investigation. Because these videoconferences are sequential, each is a prerequisite for the next videoconference in the series. Upon successfully registering for the first event you must schedule the remaining events through your DLN coordinator.

Event 1
Measurement and Units

Students are led through a question and answer period about basic measurement skills, measurement units, and measurement tools. A short hands-on activity will demonstrate to students how to make an indirect measurement.

Event 2
Measurement Uncertainty

Students are led through a hands-on activity to demonstrate margin of error and measurement uncertainty in scientific investigations.

Event 3
Data Analysis and Presentation

Students present project progress and are allowed to ask the host for guidance. Students are then led into a hands-on activity to demonstrate proper data recording technique and data presentation styles.