

Learn NSDL

THE NATIONAL SCIENCE DIGITAL LIBRARY MAGAZINE/ VOLUME 1, NUMBER 1 / NOVEMBER 2004

Learn NSDL



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NSDL would like to thank the National Science Foundation for its generous support and advocacy of NSDL as the NSF digital library of science education.

Learn NSDL is a lively and easy-to-understand publication with roots in the NSDL community at the moment when its energies, activities, and ideas demand a voice.

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Skeletons: No Bones About It
 By Brad Gibbardson

A team at the University of Texas has combined new technologies to put a world-class bone lab on your laptop.

The instructor takes a human skull and slowly rotates it, so he can see every part. Then he tips it up and rotates it again, giving you a view of the occipital bone and the holes that connect the brain to the carotid artery, jugular vein, and spinal cord. You point to different sections of the cranium and the instructor tells you their names. Here in the winter, the thin flat bone that supports the hearing, here is the zygomatic arch, here's the eye socket, which supports the brain while it endures the day.

Learn NSDL is a living science magazine for educators with dynamic links into Library resources creating a focused view into NSDL.

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Elvis, the Dog Who Knows Calculus and Other Amazing STEM Stories

NSA Focus: Continuing Admiration of Elvis, Star of Canine Calculus; Rhode Physics; Internet Scout Focus: A Rock-Climbing Robot; EMC Focus: The Big Fly; Wireless Dreaming: Google Tips for Teachers; The Not-Headgear Fedra; Shodor Focus: Interactivating Math; Teachers' Domain Focus: Mixing it Up; Middle School Web Sites

SCOUT FOCUS: A ROCK-CLIMBING ROBOT

NERDS BLAST NSDL WOOD PHYSICS

Why do the most important decisions in building digital libraries happen in face-to-face meetings?

By Wes Brunner

As a cultural anthropologist, and for nine years I have been doing ethnographic excavations for a website. I have come to think of this ongoing community as my "field." The field is one of the world's oldest educational sites. From the beginning, it has been a mix of archiving, math problems and good answers to math questions. It is one of the richest resources available to math educators, near one million pages deep, and it has become a popular place where those who are interested in mathematics can hang out.

A section of this site called Math Tools is devoted to discussions of different topics, and following these discussions is a good way to observe the differences between two tribes who

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