Strategic Partnerships

- Library building and awareness building have created a critical mass of value
- Enables a different kind of partnership building efforts

Strengthening the NSDL Network

Increasing Usage
How the World Views Us: The Net of the NSDL Network

- K-12 Teachers
- National Visiting Committee
- Publishers and Other External Resource Providers
- 10 NSDL Pathways: Discipline or Audience-Specific Portals
- 202 NSDL-funded Collections and Services
- NSF-funded Resource Providers
- Policy Committee and 5 Standing Committees
- Core Integration
- College and University Faculty
- Informal Educators
- Digital Library Developers
- Researchers
- Librarians

How the World Views Us: The Net of the NSDL Network
10 NSDL Pathways: Discipline or Audience - Specific Portals

202 NSDL-funded Collections and Services

Publishers and Other External Resource Providers

NSF

Other NSF-funded Resource Providers

National Visiting Committee

Policy Committee and 5 Standing Committees
How the World Views Us: The Net of the NSDL Network

NSDL-funded Collections and Services

- 202
- National Visiting Committee
- 10 NSDL Pathways: Discipline or Audience - Specific Portals
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- NSF
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- K-12 Teachers
- Researchers
- Librarians
- Digital Library Developers

NSF-funded Resource Providers
The Work of the NSDL Network

- Users As Contributors
- Publishers and other external partners
- Other Selected Partners
- Other active projects
- Core Integration + Pathways +
- Other Resource Contributors
Moving Forward

Greater Coordination of:

- Image
- Message
- User Experience
- Outreach and Communications Activities
- Partnership Building Efforts
Strengthening the Network

- Improving the user experience
- Enhancing educational utility
- Aiding sustainability
- Creating centralized tools and services
- Engaging new network members
Increasing Usage

- User awareness
- Improving usability and utility, removing barriers
- Teacher and faculty professional development
- Evaluation
- Leveraging existing networks of trust
What Partners Want from NSDL

The power of the network

- Quality content
- Technology
- Dissemination
- Reputation, including connection to NSF
## Partnership Development Activities

- American Museum of Natural History
- Apple
- EOT-EPIC
- Fedora
- A major K-12 textbook publisher
- National Science Teachers Association
- Net Day / Project Tomorrow
- NRCEN
- State Departments of Education (PA and CO)
- TryScience, ASTC, IEEE
- Yahoo!
2 Teach
Read Together and Learn

Vocabulary

- wind
- sunny
- cloudy

What is weather?
It's time to wake up and get dressed for school. Will you need a coat? How will you choose what to wear?

Science Background

Weather is caused by interactions among the air temperature or pressure, the amount of moisture in the air, and the speed and direction of the wind. These changes affect the movement of air masses, which in turn cause weather.

ELL Support

Use Labels - Describe a type of weather shown on pp. 128-129. Ask children to point to the picture showing the type of weather and read the label. Have children make their own picture of weather and label them.

- Encourage children to use the labels on pp. 128-129 to label their own pictures. Ask them to verbally identify weather elements, such as rain, sun, or clouds, in their pictures.
- Have children label their pictures and verbally describe them.
- Ask children to write a sentence about their picture and describe it verbally using complete sentences.
NSDL/NSTA Web Seminar 1: Hurricanes

Resources at NSDL and Hurricanes!
The first [Web Seminar](#) produced in collaboration with the National Science Digital Library (NSDL) on the topic of Hurricanes was held on Tuesday, May 16, 2006, from 6:30 p.m. to 8:00 p.m. Eastern time. The presenters were Susan Van Gundy, Director of Education and Outreach at NSDL and Robert Payo, Education and Outreach Specialist also from NSDL. The presentation focused on resources available at the NSDL and hurricanes, how they form, how scientists study them, and how they predict their occurrence.

The session started with a general overview of the NSTA Web Seminar tools and how they can be used to facilitate interaction between the participants and the presenters. Fifty-nine participants were present in addition to the presenters and the NSTA staff. Participating educators represented the states of Alabama, Arizona, Arkansas, California, Colorado, Florida, Georgia, Kentucky, Louisiana, Maine, Massachusetts, Missouri, Nevada, New Jersey, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Texas, Virginia, and Wisconsin.

Susan Van Gundy started the presentation talking about the NSDL and the resources available at the library. She shared reasons why teachers should use the digital library over other search engines, for example, NSDL offers resources from trusted providers, peer reviewed collections, variety of interfaces for discovery, context, tools and services, and community. The featured digital library for this program was DLESE. This acronym stands for Digital Library for Earth System Education. Mr. Payo continued the presentation talking about the ingredients for storms such as hurricanes. As he went through the list of ingredients, he shared tools available in DLESE that educators can use with their students to learn about hurricanes. Payo talked about air and water temperature, pressure, and Earth's rotation axis.
Project Tomorrow-NetDay News

- Project Tomorrow Announces Innovation Summit and Awards
- Project Tomorrow and NetDay have merged
- NetDay Speak Up 2005 Report Highlights Students as Trend Setters
- Honoring America's Top 100 Schools

Orange County, CA Projects

- Invitation to Participate: Expansion of Project Tomorrow’s "Science Docent Program" (2006-07 School Year)
- Project Tomorrow’s Innovation in Education Summit
- Project Tomorrow’s Innovation in Education Awards

National Projects

- NetDay Speak Up 2006
- NetDay Speak Up 2005
- Invitation to Participate – Project TestDrive: National Science Digital Library (2006-07 School Year)
- Student Voices Resource Center
Partnership Development Activities

- American Museum of Natural History
- Apple
- EOT-EPIC
- Fedora
- Macmillan/McGraw-Hill
- National Science Teachers Association
- Net Day / Project Tomorrow
- NRCEN
- State Departments of Education (PA and CO)
- TryScience, ASTC, IEEE
- Yahoo!
Partnership Development Activities

- Publishers

**Data Processing phase:**
- Scientific American
- Oxford University Press Journals
- HighWire Press
- McGraw-Hill Higher Education
- Springer
- Elsevier (books)
- John Wiley
- Blackwell
- Tool Factory
- Cambridge University Press Books
- Cambridge University Press Journals
- Houghton-Mifflin/McDougal-Littel
- Nature Publishing Group
- Tom Snyder
- BioOne
- National Academy Press

**Negotiation phase:**
- Bedford, Freeman & Worth
- Oxford University Press Books
- Taylor & Francis
- SAGE Publications
- O'Reilly Media/Safari

**Pre-negotiation phase:**
- American Psychological Association
- Riverdeep Interactive Learning

**New and renewed discussions**
- Lawrence Erlbaum Associates
- Institute of Physics Publishing
- American Physical Society
Possible Priorities

- Combined campaign
- Evaluation agenda
- Bundling tools and services
- NSF plan
- Partnership plan

- Others?
Near Term Initiatives

- **Co-branding**
  - Portals, print material, crediting, centralized services (e.g., toolbars), articles, message, communications, conference presence

- **Audience Pages at nsdl.org**
  - K-12, Higher Ed, Libraries + Informal Ed, Researchers, others?
  - RSS, podcasts, other content/ tools/ services

- **State level packages**

- **Workshops**
  - Pathways Workshops, NSTA Web Seminars

- **Expert Voices**

- **Publisher Partnerships**
Grade 5: Earth Science

FOLLOWING WEATHER SYSTEMS

Students learn how heat energy from the Sun and other factors affect the cycling of water and weather.

Students will demonstrate an understanding that

1. location on Earth and the times of day and year determine the amount of energy from the Sun a place receives [4.4B] by
   • using data to show that water and land surfaces heat differently
   • describing the general pattern of how temperature changes over 24 hours
   • explaining the difference between direct and indirect light
   • modeling how the tilt of the earth affects whether a location receives direct or indirect light.
   • explaining how the tilt of the earth influences the seasons
   • explaining the temperature patterns for cities that are near water and for ones that are far from water
   • using data to describe how air temperatures change from lower to higher elevations
Near Term Initiatives

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  - Portals, print material, crediting, centralized services (e.g., toolbars), articles, message, communications, conference presence

- Audience Pages at nsdl.org
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- State level packages

- Workshops
  - Pathways Workshops, NSTA Web Seminars

- Expert Voices

- Publisher Partnerships
Welcome K-12 Teachers

NSDL resources and information organized especially to fit the interests of teachers, media specialists, and others working with K-12 students.

Teacher Resources

- Top Picks
- Resources of Interest
- Using NSDL
- Research Articles
- Newsfeeds
- Events Calendar

Get Involved

- Recommend a Resource to NSDL
- View and Request Outreach Materials

Featured Resource

Hurricane Resource Links from the NSDL

NSDL has developed a companion resource to its Hurricanes web seminar delivered on May 16, 2006 through the National Science Teachers Association (NSTA) Web Seminar Series. The companion resource list was developed using the Instructional Architect tool available through NSDL from Utah State University, and features links to maps, simulations, interactives, and other materials discussed during the seminar. An archive of the seminar is available through the NSTA website.
Near Term Initiatives

- Co-branding
  - Portals, print material, crediting, centralized services (e.g., toolbars), articles, message, communications, conference presence

- Audience Pages at nsdl.org
  - K-12, Higher Ed, Libraries + Informal Ed, Researchers, others?
  - RSS, podcasts, other content/tools/services

- State level packages
- Workshops
  - Pathways Workshops, NSTA Web Seminars
- Expert Voices
- Publisher Partnerships
Topics for Dinner Discussion?