Strategic Partnerships

- Pathways are the core partnerships
- Library building and awareness building have created a critical mass of value that enables new kinds of partnerships
- We no longer expect that users must come to nsdl.org
- NSDL as socio-technical middleware bridging research and education communities
  - Brokering, facilitation, translation
  - “Business to business” services and tools
  - Organizational and technical consulting and co-development

NSDL Partnership Activities 2007 -- Alignment with Partnership Strategies
National Visiting Committee Meeting, March 22, 2007

	Leveraging Trusted Organizations and Networks *Engaging influencers including NSF, Pathways, other NSDL Project Partners, and significant STEM education and research communities*	**Expanding the Reach of Educational Digital Libraries** *Providing resources, tools, and services to support other national efforts in STEM education and research*
Collaborative Outreach and Communications – *Serving as a dissemination and public outreach venue for NSF funded projects* – *Adding value to the outreach efforts of others* – *Cross-promotion and co-branding*	NSTA web seminars (NSTA, Pathways, and other NSDL project partners) Publisher Partnerships 21st Century Learning workshop (American Museum of Natural History) NSDL resources selection for NSF-OLPA	Pathways Workshops Engaging People in Cyberinfrastructure (supercomputing community) NSF Research Centers Education Network (NRCEN) Southern Regional Education Board
Embedding NSDL into Existing User Workflows – *Creating access to NSDL through the channels from which users are already receiving information and resources* – *Creating tools that partner organizations can implement to enhance service to their users*	Textbook publisher project School libraries toolbar campaign (Baltimore County Schools, American Association of School Librarians) Expert Voices use by university courses (Cornell, Texas A&M)	Southern Regional Education Board Yahoo teacher resources initiative (Yahoo!) NSTA web seminars (NSTA, Pathways, and other NSDL project partners)

	Leveraging Trusted Organizations and Networks *Engaging influencers including NSF, Pathways, other NSDL Project Partners, and significant STEM education and research communities*	**Expanding the Reach of Educational Digital Libraries** *Providing resources, tools, and services to support other national efforts in STEM education and research*
Capacity Building – *Increasing users' abilities to integrate digital resources into educational practices* – *Training trainers* – *Collections development* – *Assisting other library builders to enhance the discoverability and use of their resources* – *Improving the long-term outlook for educational digital libraries* – *Developing technologies that improve service to users* – *Policy development and identification of best practices*	Pathways Workshops NSF Research Centers Education Network (NRCEN) Digital Library Sustainability Task Force (Library of Congress / NSF) *Digital Libraries Go To School* and *Test Drive* Projects (Utah State University, SUNY Cortland, Project Tomorrow) Applied Technology in Education Resource Centers (ATERC) Publisher Partnerships Pathways Metadata Working Group	

	Leveraging Trusted Organizations and Networks *Engaging influencers including NSF, Pathways, other NSDL Project Partners, and significant STEM education and research communities*	**Expanding the Reach of Educational Digital Libraries** *Providing resources, tools, and services to support other national efforts in STEM education and research*
Contextualization – *Social and technical approaches to associate contextual information with NSDL resources, to enhance their utility in educational settings* – *Editorial processes that make resources more readily usable in different educational contexts*	Teacher-generated content from *Digital Libraries Go To School* Project (Utah State University, SUNY Cortland) Strand Map Service (Digital Learning Sciences, AAAS) Educational standards alignment and assignment tools (University of Washington, JES&CO, Syracuse, WGBH, DLESE) Pilot project to provide textbook table of contents contextualization (Pathways, publishers) International Polar Year grant proposal for an online magazine and learning object repository (Ohio State University) Expert Voices for VolTS Project (New York Hall of Science, Association of Science and Technology Centers, IEEE) OurNSDL and MyNSDL will become opportunities for partner engagement Grade-level Assignment (San Diego Supercomputing Center)	

	Leveraging Trusted Organizations and Networks *Engaging influencers including NSF, Pathways, other NSDL Project Partners, and significant STEM education and research communities*	**Expanding the Reach of Educational Digital Libraries** *Providing resources, tools, and services to support other national efforts in STEM education and research*
Co-Development – *Collaborative technical development or refinement of new technologies* – *Demonstration projects for implementing new technologies*	Community Sign-On (Engineering Pathway, Utah State University, MatDL, ComPADRE, Teachers' Domain) Soft Matter Wiki (MatDL, MRSECs)	The Fedora Commons Fedora library architecture for The Alliance (Digital Learning Sciences, University of Colorado, Denver Public Library, Western Governors' University, University of Wyoming, Colorado College, Colorado State University, et al.) NSDL Cataloging Tool and NDR Instance (Digital Learning Sciences)
	Physics Modeling Curriculum wiki (ComPADRE, Arizona State University, Maine Math and Science Alliance) Educational standards alignment and assignment tools (JES&CO, Syracuse, WGBH, Digital Learning Sciences)	

	Existing Partnerships that will be continued and/or expanded	**2007 Targets**	**Other Organizations of Interest**
K12	National Science Teachers Association (NSTA) Project Tomorrow Pathways and their partners	National Council of Teachers of Mathematics (NCTM)	International Society for Technology in Education (ISTE) Council of State Science Supervisors (CS3) Partnership for 21st Century Skills The Gateway to Educational Materials (GEM) State Educational Technology Directors Association (SETDA)
Higher Ed	Pathways and their partners Advanced Technologies in Education Research Centers (ATERC)	EDUCAUSE Project Kaleidoscope	Merlot
Educational Systems	Southern Regional Education Board (SREB)	Baltimore County Schools Washington, D.C. Schools	21st Century Skills statewide adoption states – WV, NC

	Existing Partnerships that will be continued and/or expanded	**2007 Targets**	**Other Organizations of Interest**
Libraries		American Association of School Librarians	American Libraries Association Association of College and Research Libraries OCLC
Informal Education	Exploratorium New York Hall of Science Lawrence Hall of Science Association of Science and Technology Centers	American Museum of Natural History	

	Existing Partnerships that will be continued and/or expanded	**2007 Targets**	**Other Organizations of Interest**
Digital Libraries	Fedora Commons	Digital Library Federation (DLF)	Open Repositories Community MIT Media Lab CNI
Federal Agencies and Federally-funded Networks	NSF (including EHR, OCI, OLPA, Research Directorates) National Digital Information Infrastructure and Preservation Program (NDIIPP) – including Library of Congress and Institute for Museum and Library Services (IMLS) Engaging People In Cyberinfrastructure (EPIC)	Advanced Technologies in Education Research Centers (ATERC) NSF Research Centers Education Network (NRCEN)	NSF Math-Science Partnerships NASA Institute for Museum and Library Services (IMLS)

	Existing Partnerships that will be continued and/or expanded	**2007 Targets**	**Other Organizations of Interest**
Corporate	MMH* Yahoo	Apple	Learning Management Systems Google
Foundations	Hewlett		Mellon McArthur
Other			AAAS Education Development Center
Publishers	Details from Mike Luby		
Collection Development	Details from Ann Miller		

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NSTA WEB SEMINARS
LIVE INTERACTIVE LEARNING @ YOUR DESKTOP

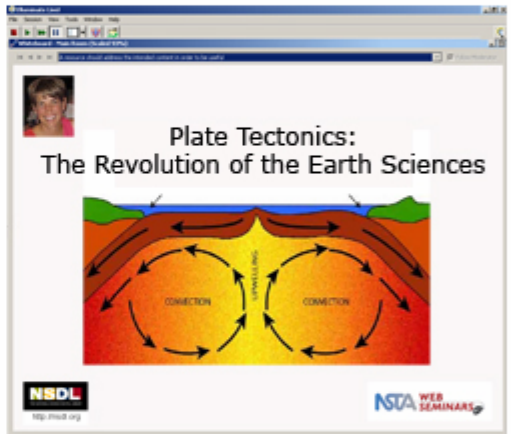
:: WEB SEMINARS ARCHIVES
- Spring, 2007
- Fall, 2006
- Spring, 2006
- Fall, 2005
- Spring, 2005

:: ABOUT WEB SEMINARS
- Features
- Frequently asked questions (FAQs)

:: WEB SEMINARS SOFTWARE:
Elluminate

:: NSDL/NSTA Web Seminars:

NSDL/NSTA Web Seminar Series



The National Science Digital Library (NSDL) collaborated with NSTA to develop a series of web seminars focusing on a variety of topics including, "Teach Engineering" and "Chemistry Comes Alive!" The seminars included information and resources for educators available on the NSDL website. Presenters are well-respected, veteran educators from NSDL with diverse backgrounds and experience. Take a moment to download the PowerPoint presentations, and see available archived programs from the comfort of your own office or home!

Learn more about the features of the Web Seminar and read answers to frequently asked questions from participants.

Recent NSDL/NSTA Web Seminars:

Read about the topics covered, download the PowerPoint presentations, and see available archived programs from the comfort of your own office or home!

- Selecting and Using Digital Phenomena and Representations for Middle School

Just-In-Time Content Resources for Elementary Teachers

A collaborative project with Macmillan/McGraw-Hill

Science Background

Weather 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.

See Science Yellow Pages, in the Teacher Resources section, for background information.

Professional Development For more Science Background and resources from NSDL visit www.macmillanmh.com/nsdl/

ENGAGE EXPLORE **EXPLAIN** EVALUATE EXTEND

2 Teach

Read Together and Learn

Reading Skill Summarize Retell the most important ideas from the reading selection.

Graphic Organizer 5, p.T8180

What is weather?

LX_Wrap_HdD

Main Idea Weather can be observed and described.

Before reading, ask children to describe weather.

After reading together, ask:

- What was the weather like when you came to school this morning?

Have children look outside to see if the weather has changed. Encourage children to think about what the weather will be like when they go home. Ask:

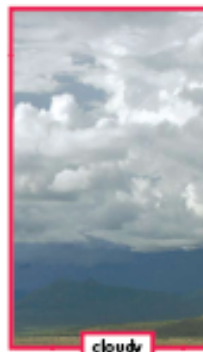
- Why is it important to know what the weather will be like? Possible answer: to dress appropriately for the temperature

Read Together and Learn

Vocabulary
weather
temperature
wind

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?



128 EXPLAIN

FACT Snow is one kind of frozen water.

Science Background

Weather 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.

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Professional Development For more Science Background and resources from NSDL visit www.macmillanmh.com/nsdl/

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 pictures of weather and label them.

BEGINNING 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.

INTERMEDIATE Have children label their pictures and verbally describe them.

ADVANCED Ask children to write a sentence about their picture and describe it verbally using complete sentences.

4 Unit A Chapter 1

SREB

Member States

Alabama	Mississippi
Arkansas	North Carolina
Delaware	Oklahoma
Florida	South Carolina
Georgia	Tennessee
Kentucky	Texas
Louisiana	Virginia
Maryland	West Virginia

3300 school districts

800 colleges & universities

- SREB Learning Object Repository
- Virtual Schools Initiative
- Possible initiatives around Middle Grades, Community Colleges, Schools of Education
- K-12 and school librarian professional development
- EvaluTech Portal

SchoolNet

- K12 data management solution
- Users want access to content embedded within the platform
- ?

NEO-SPHERE

CONNECTING E&O PROFESSIONALS ONLINE

LOG-IN

Remember my log-in

- Create a new account
- Forgot your password?

Who's Online

0 Guests | 1 Members

Ethan

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http://si.umich.edu/

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[Success Stories] Volunteers Bring Passion to Science Outreach

Science Education Forum article on volunteer, student-led science outreach program: http://www.sciencemag.org/cgi/content/summary/314/5803/1246Science 24 November 2006: Vol. 314. no. 5803, pp. 1...

[Reports] Using Nominal Group Technique for Collective Inquiry

Using Nominal Group Technique for Collective Inquiry and Gaining Consensus among AudiencesMini-Workshop Prepared for NRCEN Meeting, April 7-10, 2005 @ Caltechby Jill H. Andrews Abstract. Research on g...

RECENT UPDATES

[Strategic Plans] **Education Plan for the Center for Integrated ...**
[Strategic Plans] **NEES Consortium EOT Strategic Plan**
[Publications] **A Pilot University/K-12 Partnership in Michigan**
[Evaluation Tools] **Research Experience for Teachers (RET) Evalu...**
[Evaluation Tools] **What is Outreach? How Does One Evaluate It?**
[Publications] **IMPORTANT! Copyright notice.**
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Announcements

View

- Job Posting: Assistant Director, ...
- Time Sensitive! Teachers invited: ...
- NISE Net Announces "Nano Week"
- Job Opening: Education and Diversi...
- By May 20! Informal Science Educat...

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Recent Questions

View

- Photos on profiles and searchab... (2)
- Who is the best person to ...
- K-12 Engineering activitie...
- What is NRCEN?

Recent Comments

- Hi Jill, I just tried to ad...
- OK! we just upgraded this section of...
- Shannon, that's a great idea! I'll a...
- Gary, the Plan is now posted to this...
- Great news! What form does the...


View
Search iTunes Store
iTunes U
Sign
Music
Movies
TV Shows
Podcasts
Radio
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Purchased
What Road?
Party Shuffle
Pennsylvania St...
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Recently Added
Recently Played
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Bowdoin College
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UC Berkeley
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Aircraft Systems Eng...
MIT
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LIT 331: World Literat...
NJIT
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2. Lecture 2: Motivat...
Jeremy Wolfe
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Jeremy Wolfe
5. Lecture 4: Sensing...
Jeremy Wolfe
6. Lecture 7: Mem...

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- Cyberzine focused on science + literacy for elementary grades
- Includes use of Expert Voices
- Editorial and selection services
- User customization and podcasting experiments
- EPO function for NSF

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war stories Phillip Carter, Aug 1, 2007, 3:02 PM

☐ **Getting comfy with genocide.**
the spectator Ron Rosenbaum, Aug 1, 2007, 1:40 PM

☐ **McCain's Hope--Turning against the media.**
kausfiles Mickey Kaus, Aug 1, 2007, 7:39 AM

☐ ***Slate* 's guide to all the political betting markets.**
political futures Aug 1, 2007, 7:09 AM

☐ **The *MSJ***
today's papers Daniel Politi, Aug 1, 2007, 6:00 AM

THE MOST read | e-mailed

Obama's Achilles' Heel
What's he ever done?
posted July 30, 2007 By John Dickerson

God-Fearing People
Why are we so scared of offending Muslims?
posted July 30, 2007 By Christopher Hitchens

There Are 12 Kinds of Ads in the

Emerging implications

- Need for selection, editorial, and contextualization services
- Need for longer, more diverse, and more tailored professional development offerings
- Sharing selected metadata from the NDR out to other sites?

Potential Areas of concentration

- Diversity / underrep / broadening partic
- Schools of education
- Rss feeds / podcasts
- Education and public outreach arm for NSF
- Evaluating impact

Webmetrics

What Mick has been doing:

-Omniture reporting on a monthly basis. Basic numbers of visitors to nsdl.org and 6 pilot project sites, with general interpretation. Other data by request.

-recently added click density

During Transition

-continue to use Omniture, click density, surveys

-create a webmetrics analysis team within CI who will meet monthly to discuss nsdl.org usage data

-continue to work with PW and other projects to run Omniture on additional sites

-create a plan to coordinate metrics across PW

Long-term

-an in-house evaluator would become part of the webmetrics analysis team, but this would not be the new person's primary focus.

User Testing

What Mick has been doing:

Mick has conducted user testing as needed around website redesign, re-engineering search and was in the process of assembling a pool of people for ad hoc user testing.

During Transition

Implement the ad hoc group for tests around SMS, educational standards, and search by audience that will be needed in the next several months.

Long-term

Small-scale user testing would be part of the new evaluator's responsibilities. Larger-scale testing would be outsourced on an as-needed basis.

Explore need / opportunities to coordinate user-testing centrally

Coordination with PW and other projects on non-webmetrics evaluation

What Mick has been doing:

Mick had been planning to convene the PW evaluators at Aug. 1-2 meeting in Boulder to begin creating processes for sharing eval data across PW. This meeting was postponed.

During Transition

Reschedule the PW evaluators meeting in the fall.

There had been some discussion about Mick initiating a meta-analysis of the eval work from Targeted Research and other NSDL-funded projects. In the absence of a FT person to do this now, I propose bringing those projects together for a 1-2 day meeting.

Long-term

Creating plans and processes for coordinating with partners on evaluation would become a key focus area for a new evaluator

Educational Impact

What Mick has been doing:

This hasn't really been addressed.

During Transition

Create a working group with CI, PW, and other key partners

As part of the preparation of a ME proposal, consider the possibility of focusing our evaluation of educational impact on assessing changes in educator's pedagogic content knowledge. This would include aspects of content knowledge, process knowledge, and best practices for how to teach STEM topics, including the use of 21st century tools and skills.

Long-term

Develop a long-term plan for assessing educational impact in a manner that is iterative and that informs the design and operations of NSDL

Strand Map Service as centerpiece

NSDL as Talent Agency

- What are your big 3 areas of need?