NSDL Funded Projects 2000-2005 Awards
For an interactive list visit: (http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5487)

Awardee Organization	Project Title	PI First Name	PI Last Name	Awarded
Arizona				
Center for Image Processing in Education	SIMPLE Science: Image-Based Learning Tools for K-12 Education	Steve	Moore	2003
University of Arizona	On-line Resources for Geotechnical Engineering, Rock Engineering, and Water and Its Use: Towards a National Civil Engineering Resource Library	Muni	Budhu	2001
	Intelligent Collection Services for and about Educators and Students: Logging, Spidering, Analysis and Visualization	Hsinchun	Chen	2001
	An Active Object-Based Digital Library for Microeconomics Education	James	Cox	2002
	The Tree of Life Project: A Digital Library of Biodiversity Information	David	Maddison	2003
	Collaborative Project: The OCKHAM Library Network, Integrating the NSDL into Traditional Library Services	Jeremy	Frumkin	2003
California				
California State University	Peer Review of Digital Learning Materials: Critical Service for Digital Libraries	Gerard	Hanley	2000
California State University, Trustees	Scaling the Peer Review Process for National STEM Education Digital Library Collections	Gerard	Hanley	2002
	The NSDL Collaboration Finder: Connecting Projects for Effective and Efficient NSDL Development	Brandon	Muramatsu	2002
Design Science, Inc.	Enhancing the Searching of Mathematics	Robert	Miner	2003
Exploratorium	Exploratorium Online: Exhibit-Based Science Learning and Teaching Digital Library	Sherry	Hsi	2003
	Professional Development Institutes to Increase Afterschool Educators' Use of the NSDL	Sherry	Hsi	2005
Foothill College	Collaborative Project: To Gather, Document, Filter and Assess the Broad and Deep Collection of the Digital Library for Earth Systems Education	Christopher	DiLeonardo	2000
	Collaborative Project: To Enhance the Depth, Breadth, and Quality of the Collectionsof the Digital Library for Earth System Education (DLESE)	Christopher	DiLeonardo	2002
Long Now Foundation	Collaborative Project: The Rosetta Project- ALL Language Archive	Jim	Mason	2003
New Media Studio	Data Discovery Toolkit and Foundry	Bruce	Caron	2001
	Collaborative Project: Personal Collections: Enhancing the Utility of the NSDL	Martin	Landsfeld	2004
Stanford University	Collaborative Project: The Rosetta Project- ALL Language Archive	Michael	Keller	2003
University of California - Berkeley	Developing a Core Integration System for a National Science, Mathematics, Engineering, and Technology Education Digital Library at WWW.SMETE.ORG	Alice	Agogino	2000
	Collaborative Project: An Open Federation for the National SMETE Digital Library	Alice	Agogino	2001
	Collaborative Research: Developing a Learner-Centered Metathesaurus for Science, Mathematics, Engineering and Technology Education	Alice	Agogino	2001
	The Digital Chemistry Library	Mark	Kubinec	2003
	Collaborative Research: A Comprehensive Pathway for K-Gray Engineering Education	Alice	Agogino	2005
University of California - Los Angeles	A Digital Library: Collection for Visually Exploring United States Demographic and Social Change	David	Halle	2002
	Collaborative Research: Health Education Assets Library	Sebastian	Uijtdehaage	2002

Awardee Organization	Project Title	PI First Name	PI Last Name	Awarded
California (continued)				
University of California - Office of the President	Adding Value to the NSDL by Integrating It Into Academic Libraries: A Business Proposition and a Service Enhancement	Dan	Greenstein	2003
University of California - San Diego	Bridging the Gap Between Libraries and Data Archives	Brian	Schottlaender	2001
	Mobilizing Enduring NSDL Resources in Plate Tectonics Research for Earth Science Education	Steve	Miller	2003
University of California-Santa Barbara	Textual - Geospatial Integration Services for NSDL	Jim	Frew	2001
University of Southern California	Electronic Encyclopedia of Earthquakes	Tom	Jordan	2001
	Electronic Encyclopedia of Earthquakes	Tom	Jordan	2003
McLean Media	Creating Interactive Educational Activity Templates for Digital Libraries	Lois	McLean	2004
Colorado				
Colorado School of Mines	Collaborative Research: A Comprehensive Pathway for K-Gray Engineering Education	Michael	Mooney	2005
Colorado State University	Water in the Earth System (WES): An NSDL K-12 Collection Project	Ed	Geary	2001
United States Air Force Academy	JiTTDL : The Just-in-Time Teaching Digital Library	Evelyn	Patterson	2003
University Corporation For Atmospheric Research	Collaborative Project: Core Integration of the National SMETE Digital Library	Dave	Fulker	2001
	Thematic Real-time Environmental Data Distributed Services (THREDDS)	Ben	Domenico	2001
	Core Integration Services for a Federated NSDL	Dave	Fulker	2000
	Collaborative Research: THREDDS Second Generation	Ben	Domenico	2003
University of Colorado at Boulder	A Lightweight, Flexible, and Web-Based Approach to Supporting Workflow in Digital Libraries	Ken	Anderson	2001
	Collaborative Research: TeachEngineering - Hands-on Resources for K-12	Jacquelyn	Sullivan	2002
	Strand Maps as an Interactive Interface to NSDL Resources	Tamara	Sumner	2002
	Collaborative Research: A Comprehensive Pathway for K-Gray Engineering Education	Jacquelyn	Sullivan	2005
District of Columbia				
American Association For Advancement Science	Biosciences Education Network (BEN)	Yolanda	George	2000
	BioSciEd Net (BEN) Collaborative: Cycle 2	Yolanda	George	2002
	BioSciEd Net (BEN) Collaborative: Cycle 3	Yolanda	George	2005
Association of Research Libraries	Developing a National Science Digital Library (NSDL) LibQUAL+ Protocol	Duane	Webster	2001
Mathematical Association of America	MATHDL: A Library of Online Learning Materials in Mathematics and Its Applications	Lang	Moore	2000
	The Math Gateway	Lawrence	Moore	2004
Smithsonian Institution Astrophysical Observatory	Harvard-Smithsonian Digital Video Library	Matthew	Schneps	2002
National Academy of Sciences	Annals of Research on Engineering Education (AREE)	Norman	Fortenberry	2004
American Psychological Assoc	Online Psychology Laboratory	Maureen	McCarthy	2004

Awardee Organization	Project Title	PI First Name	PI Last Name	Awarded
Georgia				
Emory University	Collaborative Project: The OCKHAM Library Network, Integrating the NSDL into Traditional Library Services	Martin	Halbert	2003
Kennesaw State University	Collaborative Project: Nuclear Pathways - A Model for Composite Collections	Laurence	Peterson	2004
Hawaii				
Pacific Resources for Education and Learning	Ethnomathematics Digital Library	Nancy	Lane	2001
Iowa				
Eastern Iowa Community College District	(NSDL) Advanced Technology Environmental Education Library (ATEEL)	Ellen	Kabat Lensch	2002
Illinois				
Argonne National Laboratory	Atmospheric Visualization Collection	Chris	Klaus	2000
Northwestern University	Collaborative Research: THREDDS Second Generation	Daniel	Edelson	2003
University of Illinois at Urbana-Champaign	Second Generation Digital Mathematics Resources with Innovative Content for Metadata Harvesting and Courseware Development	William	Mischo	2002
	Collaborative Project: Assessing the User-base and Expanding the Usability/Reach of the Analytical Sciences Digital Library through Developmental Workshops	Alexander	Scheeline	2004
Indiana				
Indiana University - Bloomington	Reciprocal Net-- A Distributed Molecular Database	John	Huffman	2001
	Project ENABLE: Learning through Associations in a Grid based Bioinformatics Digital Library	Javed	Mostafa	2003
Kansas				
Kansas State University	Collaborative Project: Physics Teaching Web Advisory (Pathway) -- A Digital Video Library for Enhancement and Preparation of Physics Teachers	Dean	Zollman	2002
University of Kansas Center for Research, Inc.	Analytical Sciences Digital Library	Ted	Kuwana	2001
	Collaborative Project: Assessing the User-base and Expanding the Usability/Reach of the Analytical Sciences Digital Library through Developmental Workshops	Cynthia	Larive	2004
Maine				
Maine Mathematics and Science Alliance	PRISMS- Phenomena and Representations for the Instruction of Science in Middle Schools	Page	Keeley	2004
Massachusetts				
Education Development Center	Gender and Science Digital Library	Katherine	Hanson	2001
	Effective Access: Using Digital Libraries to Enhance High School Teaching in STEM	Katherine	Hanson	2002
	CaREN: Career Resources Education Network for STEM	Katherine	Hanson	2003
Woods Hole Marine Biological Laboratory	Collaborative Project: Digital Educational Resources in Microbial Ecology, Evolution and Diversity (DERMEED1)	David	Patterson	2003
TERC, Inc.	Earth Exploration Toolbook: A Collection of Examples of Educational Uses of Earth System Science Tools, Datasets and Resources	Tamara	Ledley	2002
	Earth Exploration Toolbook Workshops to Facilitate the Use of Earth Science Data in Education	Carla	McAuliffe	2005
Tufts University	Collaborative Research: TeachEngineering - Hands-on Engineering	Martha	Cyr	2002
	Collaborative Research: Managing Authority Lists for Customized Linking and Visualization: A Service for the National SMETE Digital Library	Gregory	Colati	2002

Awardee Organization	Project Title	PI First Name	PI Last Name	Awarded
Massachusetts (continued)				
University of Massachusetts Amherst	Question Triage for Experts and Documents: Expanding the Information Retrieval Function of the NSDL	W. Bruce	Croft	2002
	Customizing Resources for NSDL	Beverly	Woolf	2005
WGBH Educational Foundation	Teachers' Domain Collection: Life Sciences, K-12	Michele	Korf	2001
	Teachers' Domain - Physical Science and Engineering	Michele	Korf	2002
	Access NSDL	Madeleine	Rothberg	2002
	Teachers' Domain Pathways to Science: Rich-Media Sources for K-12 Teachers	Theodore	Sicker	2004
Worcester Polytechnic Institute	Fire Science Multimedia Library	John	Woycheese	2003
	Collaborative Research: A Comprehensive Pathway for K-Gray Engineering Education	Martha	Cyr	2005
Maryland				
American Association of Physics Teachers	ComPADRE: Communities for Physics and Astronomy Digital Resources in Education	Bruce	Mason	2002
	ComPADRE Pathway for Physics and Astronomy Education	Bruce	Mason	2005
Johns Hopkins University	Collaborative Proposal: Managing Authority Lists for Customized Linking and Visualization: A Service for the National SMETE Digital Library	Golam	Choudhury	2002
Universities Space Research Association	Implementing an Electronic Peer-reviewed Journal of Earth System Science Education Resources (JESSE)	Donald	Johnson	2000
University of Maryland Baltimore County	Collaborative Research: Developing a Learner-Centered Metathesaurus for Science, Mathematics, Engineering and Technology Education	Bill	Wood	2001
	Virtual Telescopes in Education (TIE)	Susan	Hoban	2001
Michigan				
Eastern Michigan University	TeacherLIB--Digital Community and Collections for Science and Mathematics Teacher Education	Ellen	Hoffman	2000
	Infusing NSDL in Middle Schools: Obstacles and Strategies	Ellen	Hoffman	2003
	Collaborative Project: The Rosetta Project- ALL Language Archive	Helen	Aristar-Dry	2003
	Collaborative Research: DLConnect: Connecting Underserved Teachers and Students with NSDL Learning Resources and Tools	Ellen	Hoffman	2004
Merit Network, Inc.	Viewing the Future: Aligning Internet2 Video to K-12 Curriculum	Marcia	Mardis	2002
Michigan State University	An Intelligent Digital Environment for Groundwater Education and Research	Shu-Guang	Li	2003
University of Michigan Ann Arbor	A Digital IdeaKeeper For K-12: NSDL Scaffolded Portal Services for Information Analysis and Synthesis	Chris	Quintana	2002
	Web Lecture Archiving System for Professional Society Meetings	Homer	Neal	2003
Wayne State University	Unleashing Supply: Services for Collaborative Content Development	Robert	Stephenson	2002
Minnesota				
Carleton College	Linking Pedogogy, Resources and Community Interaction to Support Entry-Level Undergraduate Geoscience Courses	Cathryn	Manduca	2002
	Pedagogic Services for Digital Libraries	Cathryn	Manduca	2005

Awardee Organization	Project Title	PI First Name	PI Last Name	Awarded
Missouri				
University of Missouri Columbia	Collaborative Project: An Open Federation for the National SMETE Digital Library	Su-Shing	Chen	2001
	National Biology Digital Library	Su-Shing	Chen	2000
Montana				
Montana State University	Collaborative Project: Digital Educational Resources in Microbial Ecology, Evolution, and Diversity (DERMEED-1)	Dave	Mogk	2003
North Carolina				
Duke University	Collaborative Research: A Comprehensive Pathway for K-Gray Engineering Education	Gary	Ybarra	2005
North Carolina State University	PER-CENTRAL: A Digital Library Supporting Physics Education Research	Bob	Beichner	2003
Winston-Salem State University	NSDL: Towards Reusable and Shareable Courseware: Topic Maps-based Digital Libraries	Darina	Dicheva	2003
University of North Carolina at Wilmington	Integrating Digital Libraries and Traditional Libraries: A Model for Sustaining NSDL Collections	Dick	Ward	2003
Shodor Education Foundation Inc	The Computational Science Education Reference Desk	Robert	Panoff	2004
North Dakota				
North Dakota State University Fargo	The Digital Archive Network for Anthropology (DANA)	Jeff	Clark	2001
New Hampshire				
Dartmouth College	Collaborative Project: To Gather, Document, Filter and Assess the Broad and Deep Collection of the Digital Library for Earth Systems Education	Barbara	DeFelice	2000
	Collaborative Project: To Enhance the Depth, Breadth, and Quality of the Collections of the Digital Library for Earth System Education (DLESE)	Barbara	DeFelice	2002
New Jersey				
New Jersey Institute of Technology Foundation	Digital Library Service Integration	Michael	Bieber	2002
	IntegraL (Integrating Libraries): Expanding the NSDL's Reach to Traditional Libraries through Resource Integration	Michael	Bieber	2004
	General Recommendation Engine (GRE) for NSDL	Il	Im	2004
Rutgers University New Brunswick	The Moving Image Gateway	Grace	Agnew	2002
New Mexico				
Integre Technical Publishing Company, Inc.	Techexplorer and MathDL: Robust Support for Dynamic Web-based Mathematics	Sam	Dooley	2003
New York				
Columbia University	Columbia Pubscape: A Core Integration System for a National Science Digital Library Publishing Center	Kate	Wittenberg	2000
	Collaborative Project: To Gather, Document, Filter and Assess the Broad and Deep Collection of the Digital Library for Earth Systems Education	Kim	Kastens	2000
	Collaborative Project: Core Integration of the National SMETE Digital Library	Kate	Wittenberg	2001
	Collaborative Project: To Enhance the Depth, Breadth, and Quality of the Collections of the Digital Library for Earth Systems Education (DLESE)	Kim	Kastens	2002
Cornell University - State	A Digital Rich Media Library of Animal Behavior	Jack	Bradbury	2003
	The Science Knowledge and Education Network Building a User Base around Scientific Publications: Editing Online Content and Annotating Scientific Materials	Steven	Kelling	2004
	Facilitating K-12 Selection in an Annotated Rich Media Library of Animal Behavior	Jack	Bradbury	2005

Awardee Organization	Project Title	PI First Name	PI Last Name	Awarded
New York (continued)				
Cornell University - Endowed	Collection and Dissemination of Geoscience Data and Knowledge for the National Science Digital Library	Dogan	Seber	2001
	The NSDL Central System	Bill	Arms	2000
	Collection and Distribution of Geoscience (Solid Earth) Data Sets for the National Science Digital Library	Dogan	Seber	2000
	Collaborative Project: Core Integration of the National SMETE Digital Library	Bill	Arms	2001
	Kinematic Models for Design Digital Library (K-MODDL)	John	Saylor	2002
	Enabling Large Scale Coherency Among Mathematical Texts in the NSDL	Bob	Constable	2003
	Collaborative Project: An NSDL Registry: Supporting Interoperable Metadata Distribution	Diane	Hillman	2005
CUNY Queens College	Collaborative Research: A Digital Library Collection for Visually Exploring United States Demographic and Social Change	Andrew	Beveridge	2002
solutions-united.com	Breaking the Metadata Generation Bottleneck	Woojin	Paik	2000
Syracuse University	Breaking the Metadata Generation Bottleneck	Elizabeth	Liddy	2000
	Integrating Expertise into the NSDL	Richard	Lankes	2001
	Collaborative Project: StandardConnection - Mapping NSDL Educational Objects to Content Standards	Elizabeth	Liddy	2001
	MetaTest: Evaluating the Quality and Utility of Metadata	Elizabeth	Liddy	2002
	Students Using NSDL (SUN): Science Information Literacy and the NSDL	Joanne	Silverstein	2003
	Computer-Assisted Content Standard Assignment & Alignment	Anne	Diekema	2004
Ohio				
Kent State University	Green's Functions Research and Education Enhancement Network (GREEN)	Gregory	Shreve	2001
	Materials Digital Library: MatDL.org	Laura	Bartolo	2003
	Quality Analysis of Metadata Records in the NSDL Metadata Repository	Marcia	Zeng	2003
	NSDL Materials Digital Library Pathway: Hub for Materials Education and Research	Laura	Bartolo	2005
Ohio State University Research Foundation	National Digital Library for Undergraduate Mathematics, Science, and Technology Teacher Preparation and Professional Development	Kimberly	Roempler	2000
	Marine Mammal Commission Digital Library of International Environmental and Ecosystem Policy Documents.	Paul Arthur	Berkman	2002
	Collection Building and Capacity Development for K-12 Federally-Produced Mathematics and Science Education Digital Resources	Kimberly	Roempler	2002
	CAUSEweb: A Digital Library of Undergraduate Statistics Education	Dennis	Pearl	2003
University of Dayton	A Digital Library of Ceramic Microstructures	Mattison	Ferber	2001
Oklahoma				
University of Oklahoma Health Sciences Center	Collaborative Research: Health Education Assets Library	Chris	Candler	2002
University of Oklahoma Norman Campus	Collaborative Research: TeachEngineering - Hands-on Resources for K-12	Michael	Mooney	2002

Awardee Organization	Project Title	PI First Name	PI Last Name	Awarded
Oregon				
Eduworks Corporation	Fostering Reuse and Interoperability for the NSDL	Robby	Robson	2003
	Collaborative Proposal: Personal Collections: Enhancing the Utility of the NSDL	Robert	Robson	2004
Oregon Health and Science University	Collaborative Project: Superimposed Tools for Active Arrangement and Elaboration of Educational Resources	Lois	Delcambre	2004
Pennsylvania				
Carnegie-Mellon University	Threading Information Pathways Through NSDL Video (Services Proposal)	Howard	Wactlar	2000
	Collaborative Project: A Component Repository and Environment for Assembly of Teaching Environments (CREATE)	Dave	Yaron	2000
Carnegie-Mellon University (continued)	Collaborative Project: Physics Teaching Web Advisory (Pathway) -- A Digital Video Library for Enhancement and Preparation of Physics Teachers	Scott	Stevens	2002
	Using Digital Libraries to Build Educational Communities	Dave	Yaron	2003
Drexel University	Improving Knowledge Transfer: Prioritizing Content Creation in Digital Libraries Using Competitive Intelligence Systems	Michael	Atwood	2000
	Math Tools Project	Eugene	Klotz	2002
	Collaboration Services for the Math Forum Digital Library	Gerry	Stahl	2003
	Leadership Development for Technology Integration: Developing an Effective NSDL Teacher Workshop Model	Eugene	Klotz	2005
Swarthmore College	NSDL: A Digital Library Collection for Computer Vision Education	Bruce	Maxwell	2002
Villanova University	Collaborative Project: Superimposed Tools for Active Arrangement and Elaboration of Educational Resources	Cassel	Lillian	2004
Rhode Island				
Brown University	Collaborative Project: A Component Repository and Environment for Assembly of Teaching Environments (CREATE)	Andries	van Dam	2000
	ReMarkable Texts: A Digital Notepad for the NSDL	Andries	van Dam	2002
Tennessee				
University of Tennessee Knoxville	An Active Mathematical Software Collection for Inquiry-based Computational Science and Engineering Education	Jack	Dongarra	2001
	Integrating the NSDL Into Undergraduate Science Education by Creating a Collaborative Learning Environment	Carol	Tenopir	2001
Texas				
Texas Engineering Experiment Station	Metadocuments as Communicative Artifact to Enable Use of a Research Digital Library in Undergraduate SMET Education	Rich	Furuta	2000
	Design and Evaluation of Maintenance Tools for Distributed Digital Libraries	Frank	Shipman	2001
	Integrating Digital Library Resources into Online Courses	LeAnn	McKinzie	2002
	Using Spatial Hypertext as a Workspace for Digital Library Providers and Patrons	Frank	Shipman	2002
University of Texas at Austin	www.eSkeletons.org: An Interactive Digital Library of Human and Primate Anatomy	John	Kappelman	2002
University of Texas Medical Branch at Galveston	Ceph School: A Pedagogic Portal for Teaching Biological Principles with Cephalopod Molluscs	Phillip	Lee	2002
William Marsh Rice University	Advanced Placement Digital Library for Biology, Physics and Chemistry	Datla Siva	Kumari	2002

Awardee Organization	Project Title	PI First Name	PI Last Name	Awarded
Utah				
University of Utah	A Digital Multimedia Library for Health Sciences Education	Sharon	Dennis	2000
	Collaborative Research: Health Education Assets Library	Sharon	Dennis	2002
Utah State University	The Instructional Architect: A System for Discovering, Recommending, and Combining Learning Objects	Mimi	Recker	2000
	Integrating and Extending the Instructional Architect: An Instructional Service for NSDL	Mimi	Recker	2003
Utah State University (continued)	Collaborative Proposal: DLConnect: Connecting underserved teachers and students with NSDL learning resources and tools	Mimi	Recker	2004
	Services to Link Opencourseware Repositories and the NSDL	Brandon	Muramatsu	2005
Virginia				
American Geological Institute	Collaborative Project: To Gather, Document, Filter and Assess the Broad and Deep Collection of the Digital Library for Earth Systems Education	Sharon	Tahirkheli	2000
	Collaborative Research: To Enhance the Depth, Breadth, and Quality of the Collections of the Digital Library of Earth System Education (DLESE)	Sharon	Tahirkheli	2002
American Indian Higher Education Consortium	Digital Library Services for American Indians	Carrie	Billy	2001
International Technology Education Association	National Digital Library for Technological Literacy	Brigitte	Valesey	2001
National Association of Biology Teachers	Biology Education Online -- An Interactive Electronic Journal	Wayne	Carley	2000
Old Dominion University Research Foundation	An OAI-Compliant Federated Physics Digital Library for the NSDL	Kurt	Maly	2001
	A Self-sustainable Digital Library for Evolving Communities	Mohammad	Zubair	2003
University of Virginia Main Campus	Decentralized Image Retrieval for Education (DIRECT)	Scott	Acton	2001
Virginia Polytechnic Institute and State University	A Digital Library Network for Engineering and Technology	Saifur	Rahman	2000
	Computing and Information Technology Interactive Digital Educational Library (CITIDEL)	Ed	Fox	2001
	Collaborative Project: The OCKHAM Library Network, Integrating the NSDL into Traditional Library Services	Ed	Fox	2003
	Collaborative Research: A Comprehensive Pathway for K-Gray Engineering Education	Joseph	Tront	2005
	Personalization of Content: Bridging the gap between NSDL and its users	Manuel	Perez	2005
Washington and Lee University	The Alsos Digital Library	Frank	Settle	2000
	The Development and Use of Digital Collections to Support Interdisciplinary Education	Frank	Settle	2002
Washington				
University of Washington	Collaborative Project: StandardConnection - Mapping NSDL Educational Objects to Content Standards	Stuart	Sutton	2001
	Collaborative Project: Nuclear Pathways - A Model for Composite Digital Collections	Stuart	Sutton	2004
	Collaborative Project: An NSDL Registry: Supporting Interoperable Metadata Distribution	Stuart	Sutton	2005
Wisconsin				
University of Wisconsin-Madison	The Internet Scout Project's Personalized Content Delivery System	John	Strikwerda	2001
	The Journal of Chemical Education Digital Library	John	Moore	2002

Awardee Organization	Project Title	PI First Name	PI Last Name	Awarded
Wisconsin (continued)				
	Optimizing Workflow and Integration in NSDL Collections	John	Strikwerda	2002
	The Internet Scout Project's Targeted Information Provision Service	John	Strikwerda	2003
	CoMPASS-DL: Design and use of a concept map interface for helping middle school students navigate digital libraries	Sadhana	Puntambekar	2004
	AMSER: Applied Math and Science Education Repository	Rachael	Bower	2004
	Faculty Participation in the NSDL - Lowering the Barriers	Alan	Wolf	2004