







Resources, Tools, and Services for the Educator



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Teachers Domain Workshop July 20, 2007



The National Science, Technology, Engineering, and Mathematics Education Digital Library (NSDL)

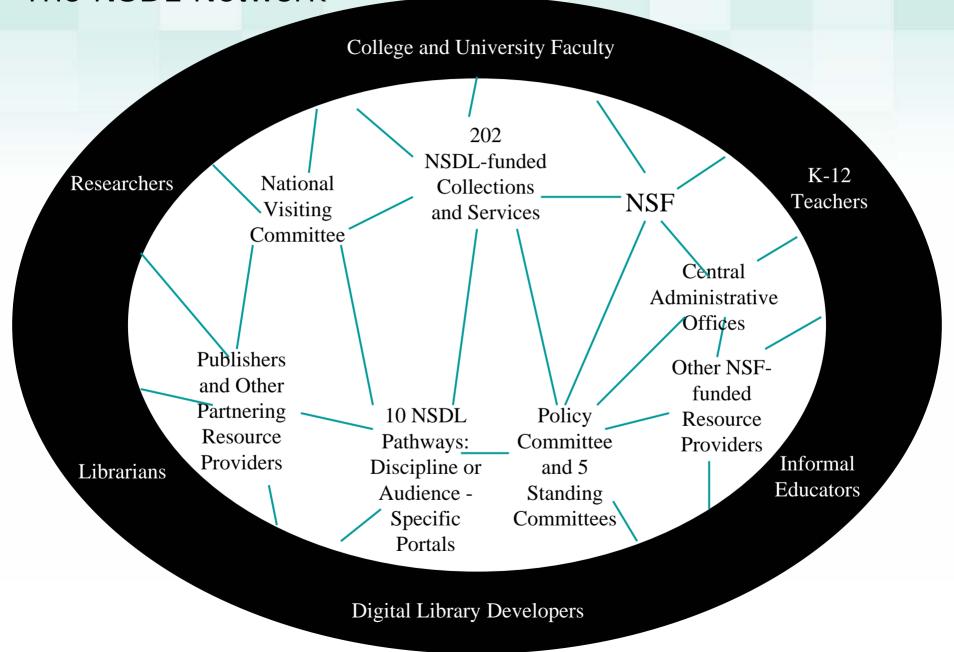




Established to catalyze and support continual improvements in STEM education at all levels (K-12, Higher Education, and Lifelong Learning).

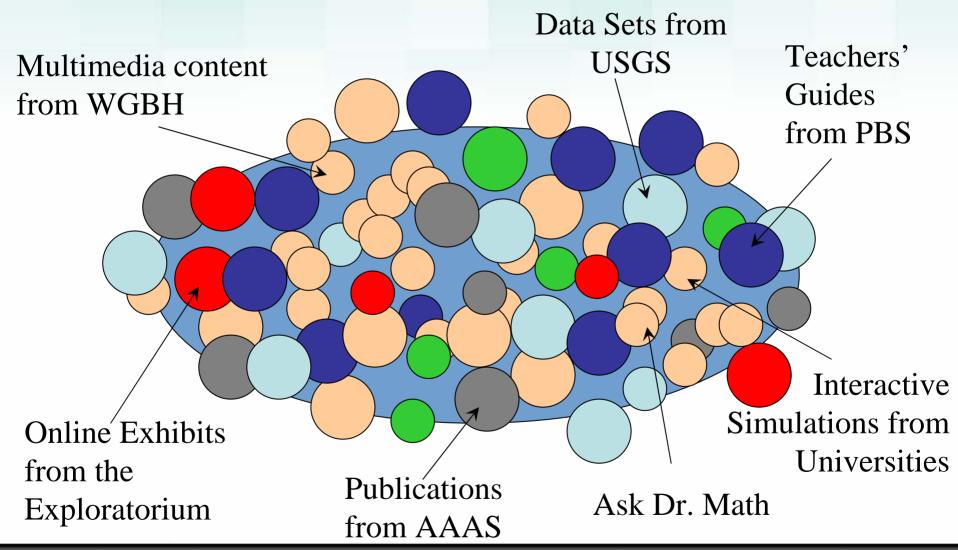


The NSDL Network

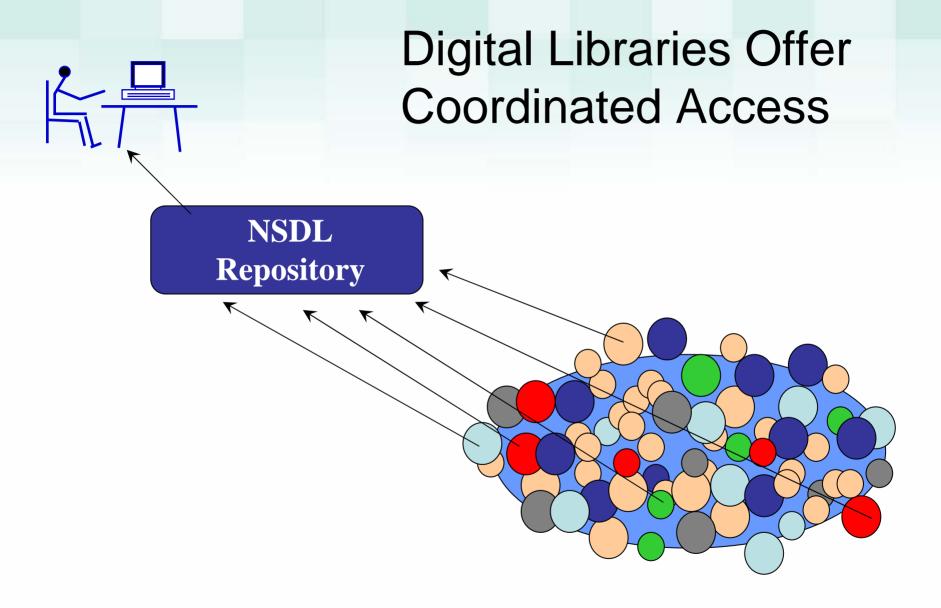


Why a Digital Library?

Resources are Scattered across the Internet



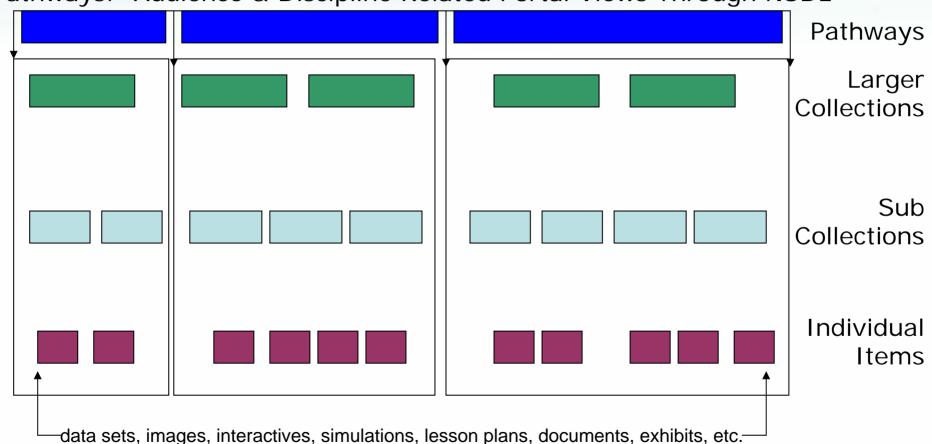




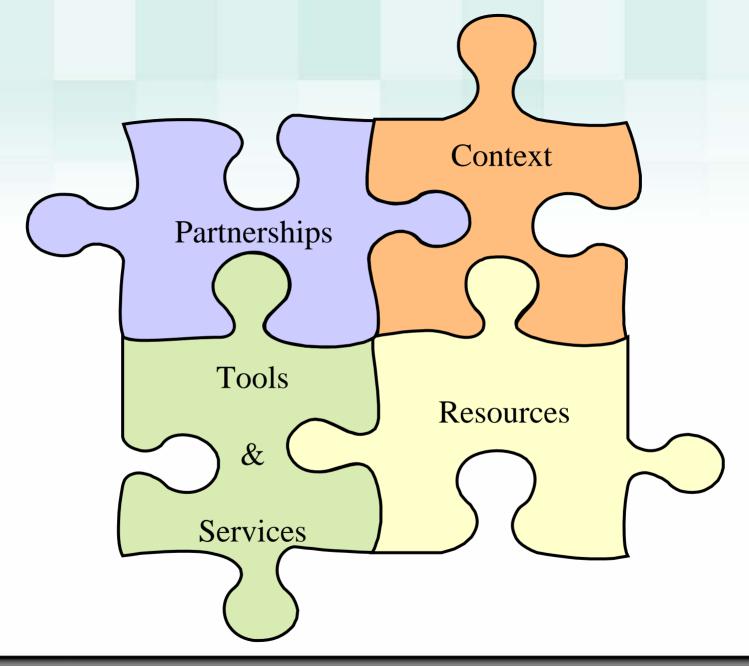
What is in NSDL?



Pathways: Audience & Discipline Related Portal Views Through NSDL







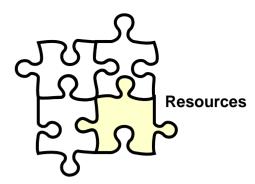




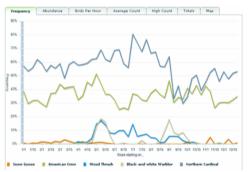


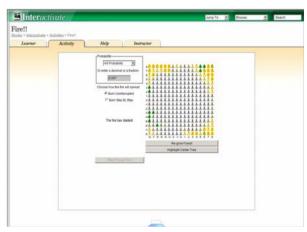




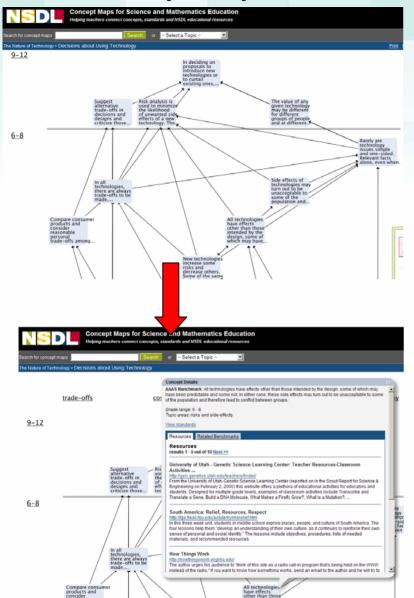








Concept Map Tool





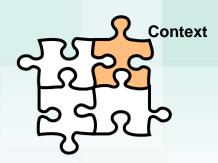


NSTA/NSDL Web Seminar Series





Expert Voices: NSDL Blogosphere









Examples of Partnerships

Partnerships

K-12

- Pathways Partners
- National Science Teachers Association
- Project Tomorrow / NetDay
- Textbook publishers

Higher Education and Research

- Pathways Partners
- More than 20 journal and textbook publishers

Informal Education

- American Museum of Natural History
- Exploratorium
- Education Development Center

Educational Systems

Southern Regional Education Board

Federally-Funded Networks

- NSF-funded Research Centers
 Education Network
- National Digital Information and Infrastructure Preservation Program (NDIIPP)
- Engaging People in Cyberinfrastructure (EPIC)

Libraries and Digital Libraries

- Fedora Commons
- National Forum on Information Literacy



NSDL Pathways



- Educational level and discipline specific views of NSDL
- Built by leading organizations who are trusted by their target audiences
- Provide resources, tools, services, and professional development
- A method for professional organizations to engage and serve their membership communities

Pathway and Lead Ed Level Discipline

Applied Math and Science Education Repository (AMSER) Univ of Wisconsin, Madison	Community Colleges	Applied Mathematics & Science
BioSciEdNet (BEN) AAAS, plus >20 professional societies	Undergraduate & High School	Biology
ChemEd DLib ACS, JCE, ChemCollective	High School & Above	Chemistry
ComPADRE AAPT, APS, AIP/SPS & AAS	Undergraduate & High School	Physics & Astronomy
Computational Science Education Reference Desk (CSERD) Shodor Education Foundation	Undergraduate & High School	Computational Science
Engineering Pathway UC Berkeley, Univ of CO	Undergraduate & K-12	Engineering
Materials Digital Library Kent State University	Undergraduate & Above	Materials Science
Math Gateway Mathematical Assoc of America	Undergraduate	Mathematics
Middle School Portal Ohio State University	Middle Grades	Science, Mathematics, & Technology
Teachers' Domain WGBH Public Television	K-12	Life, Earth, Space, & Physical Sciences

Thank You!



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