Create, Share, Annotate, Organize
NSDL Wiki

http://wiki.nsdl.org; beta release, 2007

NSDL Wiki builds on open source media wiki technology to allow communities of users to create, annotate, and organize NSDL resources. Augmented with plug-ins and extensions to fully integrate the application with the NSDL Data Repository. The wiki tools are initially intended to be used by authorized NSDL partners and projects working with a target audience of undergraduate and graduate students, educators, and researchers. Partners can incorporate these tools into their own projects' wiki environment, or they can use the services on the centrally-maintained NSDL wiki.

Dynamic Workflows and Content Mash-ups
ON RAMP

http://onramp.nsdl.org; beta release, 2007-2008

On Ramp is an NSDL contnent management system that brings editors, authors, reviewers, photographers, and media specialists together to create, manage and widely distribute content. Using On Ramp system automate the re-use and re-release of content to blogs, email newsletters and additional web displays for multiple audiences. On Ramp allows users to gather parts of library content into an entirely new context.

NSDL Pathways Represent over 100 National Organizations, Institutions and Societies
PATHWAYS TO STEM DISCIPLINES

http://nsdl.org/resources_for/library_builders/?pager=pathways

Pathways partners are engaging educators at all levels and serving as an effective force for professional development and outreach within their communities of practice. MatDL, the materials science Pathway, is forging collaborations with materials science research centers to better support the integration of research with education, and making research results available to educators and students via tools such as the SoftMatter Wiki, an adaptation of NSDL's open source media wiki technology. The Math Gateway, BioSciences Ed Net (BEN), and the Applied Math and Science Education Repository (AMSER) have all engaged faculty in train-the-trainer and professional development workshops that are actively demonstrating the word-of-mouth effectiveness of educators talking with one another. Workshop participants are presenting their own workshops at professional society regional and state conferences, and doing brown-bag presentations to colleagues at their own institutions on their workshop experiences, and the resources, tools, and services available to them via NSDL and Pathways.

Building Communities of Contributors and Collaborators
NSDL PARTNERSHIPS

Partnerships with national agencies are being expanded and agreements with science education publishers are adding new content to NSDL and enlarging its role nationally. NSDL is creating alliances with museums such as the American Museum of Natural History (AMNH), and other centers of information about education such as the National Science Teachers Association (NSTA). NSDL serves as a provider of resource content for these organizations and their education initiatives and activities, offers advice and assistance in the development of special collection, and acts as a dissemination mechanism for educations and outreach efforts.

NSTA Web Seminars
http://nsdl.org/resources_for/k12_teachers/index.php?pager=pd
NSDL is teaming up with the National Science Teachers Association to present NSTA Web Seminars: free 90 minute live professional development experiences that use online learning technologies to enable participants to interact with experts—scientists, engineers, educators, librarians—from the convenience of a desktop computer. Seminars are scheduled so that educators from all U.S. time zones can participate, and include a 30-minute training session that familiarizes participants with the web seminar platform. Facilitated by NSTA and NSDL experts, educators can use online tools that allow mark-up and annotation of presenter slides, share desktop applications, participate in online chats, and answer survey and poll questions. NSTA's current membership of 55,000 science teachers, coordinators, and other professionals offers a rich opportunity to showcase and feature NSDL resources and services, such as Expert Voices, Pathways portals and services, and models to educators best practices in using digital libraries.