

National STEM Distributed Learning Pathways: One Library, Many Portals



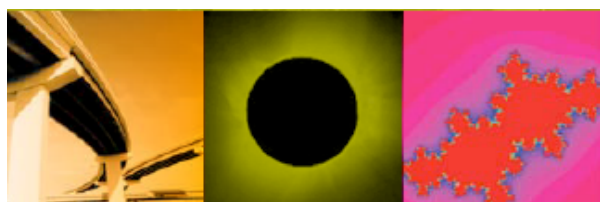
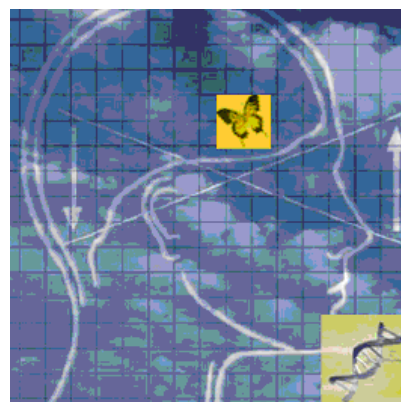
<http://nsdl.org>

National STEM Distributed Learning (NSDL) is a program of the National Science Foundation, created to provide exemplary online resources for teaching and learning in science, technology, engineering, and mathematics (STEM) education. NSDL provides an organized point of access to collections of resources and services from contributors representing the best of public and private institutions including universities, museums, commercial publishers, government agencies, and professional societies. NSDL supports STEM teaching and learning at all levels, from elementary to adult, with materials ranging from lesson plans to interactive animations, and from real-time data and technology-based tools to collaborative social networking and blogging services. Resources from NSDL Pathways are available at <http://nsdl.org> and from individual Pathways portals.

NSDL features Pathways portals that address a range of audience needs

NSDL Pathways portals are...

- Educational level and discipline-specific views of NSDL
- Built by leading organizations trusted by their target audiences
- Provide resources, tools, services, and professional development
- A method for professional organizations to engage and serve their membership communities
- Serve as stewards of content and services for their specific audiences
- Demonstrate the value of NSDL in a variety of educational settings



NSDL Pathways represent the participation of over 90 national organizations, institutions, and societies

To learn more about NSDL Pathways visit: <http://nsdl.org/partners/?pager=pathways>



NSDL Pathways

By Audience

teachers'domain Multimedia Resources for the Classroom and Professional Development



Teachers' Domain:
Life, Earth, Space, & Physical Science

K-12

Led by WGBH

<http://teachersdomain.org/>



MathPath

Elementary

Led by

Maryland Public Television

In development

See: <http://www.mpt.org/learn>

By Discipline



ChemEdDL: Chemistry
High School to Graduate
Led by the American Chemical Society (ACS) and the Journal of Chemical Education (JCE)
<http://www.chemeddl.org/>



ComPADRE: Physics & Astronomy
High School to Graduate
Led by the American Association of Physics Teachers (AAPT)
<http://compadre.org/>



NSDL Engineering Pathway
K-12 to Graduate
Led by UC Berkeley, University of Colorado
<http://engineeringpathway.com/>



Middle School Portal2: Math & Science Pathways

Middle School

Led by the Digital Library Projects at Ohio State University
<http://msteacher2.org/>



AMSER: Applied Math & Science

Community Colleges

Led by the Internet Scout Project

University of Wisconsin

<http://amser.org/>



BiosciEdNet (BEN): Biological Sciences

High School to Graduate

Led by the American Association for the Advancement of Science (AAAS)

<http://www.bioscienet.org/>



Science and Math Informal Learning Educators (SMILE) Pathway

Informal Learners

Led by Lawrence Hall of Science

at UC Berkeley

<http://www.howtosmile.org/>



CSERD: Computational Science

K-12 to Graduate

Led by Shodor

<http://www.shodor.org/refdesk/>



MatDL: Materials Science

Undergraduate to Graduate

Led by Kent State University

<http://matdl.org/>

Digital Library for Earth System Education

K12 to Undergraduate

Led by NCAR Library

<http://dlese.org/>

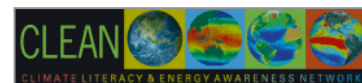


MathDL: Mathematics

Undergraduate

Led by the Mathematical Association of America (MAA)

<http://mathdl.maa.org/>



Climate Literacy & Energy Awareness Network (CLEAN)

Middle School to Undergraduate

Led by TERC; CIRES/CU; NOAA; NREL; SERC

In development

see <http://www.cleanet.org/>



Teach the Earth: Geoscience Education

High School to Undergraduate

Led by Science

Education Resource

Center, Carleton College

<http://serc.carleton.edu/teachearth/index.html>

Latest award Oct 2010:



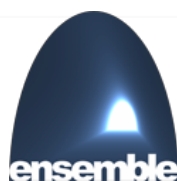
ICPALMS: Pathway for Standards-based Instruction

K12

Led by Florida State University, Learning Systems Institute

[http://www.nsf.gov/awardsearch/showAward.do?](http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1044315)

AwardNumber=1044315



Ensemble Computing Pathway

K12 to Graduate

Led by Villanova University

<http://www.computingportal.org/>



Teaching with Data: Quantitative Literacy in the Social Sciences

High School to Graduate

Led by the University of Michigan
<http://www.teachingwithdata.org/>