

July 31, 2007

NSDL PATHWAYS KEYWORD SEARCHES ON GOOGLE

Brad Edmondson, brade@lightlink.com, (607) 272-1832

Report on NSDL and related pages in the top 100 returns for selected search terms in each NSDL Pathways' catalog entry. Pathways home pages in **bold face**. Terms in quotes were entered into Google as a single term.

1. ChemEd Dlib

6.7 EV post on Chemistry Comes Alive! with NDR Link to: ChemEd DL and non-NDR links to Chemistry Comes Alive! (2 links) and Pirelli Foundation

7.21 No change to EV post because it already had all keywords in it

Keyword searches:

7.20 Chemistry Study and teaching

- #4 Internet Scout report that does not list JCE Dlib or ChemInfo
- #28 NSDL Chemistry Collective resource page
- **#40 NSDL JCE Dlib resource page**

7.31 Chemistry study and teaching

- #28 NSDL Chem Collective Resource page
- **#35 NSDL JCE Dlib resource page**
- #86 NSDL EV Pathways News blog containing Chemistry Comes Alive!

2. Teachers' Domain

6.8 EV Item posted with NDR link to: Teachers' Domain

7.21 All TD keywords added to blog post

Keyword searches:

7.21 Science Study and teaching (Primary)

- #5 NSDL IVillage GardenWeb resource page
- #62 Internet Scout Report Archives, no Teachers Domain
- #71 AMSER search result, no TD
- #82 AMSER search result, no TD

7.31 Science Study and teaching (Primary), July 31

- #5 NSDL Exploratorium resource page
- **#32 NSDL Teachers Domain resource page**
- #35 NSDL EV Pathways News blog containing TD post

7.21 Science--Study and teaching (Secondary)

- #4 & #24 Internet Scout Report Archive, no TD
- #9 is NSDL IVillage GardenWeb resource page

7.31 Science--Study and teaching (Secondary)

- #10 NSDL IVillage GardenWeb resource page

Astronomy (see ComPadre)

Biology (see MatDL #6)

Physics (see MatDL #6)

7.21 Science

- #50 NSTA
- #58 FREE.ed.gov resource listing for science – no NSDL
- no NSDL pages

7.31 Science – no NSDL pages

7.21 Digital libraries

- #2 Dlib Magazine
- #24 NSDL Homepage
- #42 DLESE Homepage

7.31 Digital libraries

- #2 Dlib magazine
- #23 NSDL homepage
- #44 DLESE homepage

7.21 Digital libraries -- United States

- #33 is Scout Report Archives
- #57 is NSDL Project Desc. for Social Explorer
(http://nsdl.org/about/index.php?pager=projects&this_sort=start_date&keyword=&project_id=226295)

7.31 Digital libraries -- United States

- #56 is NSDL Social Explorer page

7.21 Digital Libraries -- Media Centers/School Libraries

- #17 is NSDL Resource listing for NSDL
(http://nsdl.org/resource/2200/NSDL_Collections_Resource)
- #76 is NSDL Browe By Topic listing for DLESE
(http://nsdl.org/browse/?q=Science&GEM_cat=4&verb=Search&s=0&n=10&item_num=3&brand_identifier=oai:nsdl.org:crs:4743)

7.31 Digital Libraries -- Media Centers/School Libraries (26 results)

- **#5 is NSDL Pathways News blog**
- **#6 is NSDL Pathways News Teachers Domain post**
- #10, #11 are NSDL NDR XML files

7.21 Educational Technology: nothing

7.21 Educational Technology -- Educational media

- #24 is AMSER search page
- #25 is PBS Teachers homepage (<http://www.pbs.org/teachers>)
- #78 is Internet Scout search archive

7.21 Middle School

- **#32 is NSDL Middle School Portal**

7.31 Middle School:

- #12 is Mathforum "Ask Doctor Math"
- No NSDL pages

7.21 NSDL

- #1 is NSDL Homepage
- #2 is National Securities Depository Ltd., depository for Indian equities
- NSDL pages dominate
- #22 is Expert Voices Gateway

Not searched: Earth science, Education (General), Meteorology, Physical sciences, Space sciences, Atmospheric science, Climatology, Early Elementary, Environmental science, GMO, High School, Hydrology, Kindergarten, Later Elementary, Science – Animals, Science - Biology General, Science - Botany and Agriculture, Science - Cell Biology, Science - Environment/Ecology, Science – Evolution, Science – Genetics, Science - Human Biology, Space science, biological sciences, genetic engineering,

genetically modified foods, genetically modified organisms, stem cell research, transgenic

3. Engineering Pathway/ TeachEngineering

6.8 EV item posted with NDR links to:

- TeachEngineering Digital Collection
- UW Madison Concrete Canoe Team

And non-NDR Links to:

- Engineering Pathway
- National Concrete Canoe Competition
- American Society for Engineering Education

7.21 All EngPathway keywords added to blog post

Keyword searches:

7.21 Engineering -- Study and teaching

- #5 is Internet Scout Report
- **#23 is NSDL TeachEngineering resource page**
- **#33 is NSDL BEN resource page**
- #34, #44 is AMSER Search results

7.31 Engineering -- Study and teaching

- **#22 is NSDL TeachEngineering resource page**
- **#36 is NSDL BEN resource page**
- **#51 is NSDL Pathways News blog**

7.21 Mathematics -- Study and teaching

- #6, #26 is Internet Scout Search Archive
- #22 is AMSER Search result
- **#25 is NSDL SHODOR Project Interactivate resource page**
- #96 is PBS Teachers Math resources

7.31 Mathematics -- Study and teaching

- #24 is NSDL NASA Earth Observatory resource page
- #32 is NSDL Exploratorium resource page
- **#95 is NSDL Expert Voices Pathways News blog**

7.21 Science -- Study and teaching (see Teachers Domain)

7.21 Technology -- Study and teaching

- #9, #10 is Internet Scout Report
- #25 is PBS Teachers Science and Technology search results
- **#30 is NSDL Internet Scout resource page**
- **#45 is NSDL Teachers Domain resource page**
- #54 is AMSER Search Result

7.31 Technology -- Study and teaching

- #7 is NSDL NASA Earth Observatory resource page
- **#51 is NSDL Teach Engineering resource page**

7.21 Education (General): nothing

7.21 Engineering (see MatDL, #6)

7.21 Mathematics: #13 is NSF Mathematics Classroom Resources

7.31 Mathematics: nothing

7.21 Technology: nothing

Not searched: Browse curriculum; Engineering content; K-12 engineering; K-12 engr; Myte login; Science and math; Teachengineering digital collection;

Teachengineering site; World of k-12 engineering; NEEDS; Engineering--Study and teaching (Higher)--United States; Integrating technology into the classroom; NEEDS, courseware; engineering education; courseware; engineering; courseware reviews; reviews; Premier Award

4. Middle School Portal

6.13 EV item posted with NDR Link to: Middle School portal and non-NDR links to MS Portal resources on simple machines, gardening, probability, rainbows, and fractions.

7.21 All MS Portal keywords added to blog post

Keyword searches:

7.21 Mathematics--Study and teaching (see Engineering Pathway)

7.21 Science--Study and teaching (see Teachers Domain)

7.21 Technology education: nothing

7.31 Technology education: nothing

7.21 Instructional issues:

- #4, #48, #52 is Scout Archive Search
- #11 is NSDL search page on "instructional issues"
- #34 is AMSER Search Result

7.31 Instructional issues:

- **#10 is NSDL search page on "instructional issues" with MS Pathway on first page**

7.21 Mathematics (see Teachers Domain)

7.21 Science (see Teachers Domain)

7.21 Technology (see Teachers domain)

Not searched: Browse by standard; Browse by subject; Math site; Middle school pathway at enc; Science site; Technology site

5. BioSciEdNet (BEN)

6.6 EV Post on BEN Microbe Library Editors Choice Awards with NDR links to BEN and Microbe Library

6.17 EV Post on BEN Scholar Terry McGuire with NDR links to:

- BioSciEdNet (BEN)
- T. McGuire web page on pleiotropy
- SENCER (Science Education for New Civic Engagements and Responsibilities)

7.21 All BEN keywords added to both blog posts

Keyword searches:

7.20 Biology study and teaching:

- #8: Internet Scout search page, but no BEN listing
- **#14: NSDL BEN resource page**
- #61: AMSER listing of BIODIDAC
- #64: NSDL Ology, DNA Detective resource page
- #94: AMSER listing of a science animation resource

7.31 Biology study and teaching:

- **#15 NSDL BEN Resource Page**
- **#41 is NSDL Expert Voices Pathways News blog**
- **#60 is NSDL Microbe Library resource page**
- **#68 is NSDL EX Pathways News blog on BEN scholar Terry McGuire**

7.20 "Terry McGuire": 17,100 results

- #3 is his faculty web page at Rutgers (below two other Terry McGuires)
- **#6 is Expert Voices post on BEN Scholar program**

7.20 "BEN Scholar": 101 results

- #1 is BEN page announcing the program
- **#2 is NSDL Expert Voices post on McGuire**

Other BEN keywords not searched: Biology (see MatDL above), Mathematics -- Study and teaching, Science -- Study and teaching -- United States, Science -- Study and teaching, Biological and life sciences, Biological sciences, Biology resource, Biology search engine, Biology teaching, Digital library, Information on biology, Learning biology, Science resources, Science teaching resource, Teaching science

6. MatDL

Expert voices item posted Friday July 13 (MatFORGE) with NDR links to:

- MatDL homepage
- Natl Institute of Standards and Technology
- Python
- MatForge (non-NDR)

7.20 changed EV post to include all MatDL keywords

7.12 "Materials science" study and teaching:

- #41 is Internet Scout search listing but does not link to MatDL

7.20 "Materials science" study and teaching:

- #13 NSDL resource listing for MIT Open CourseWare
- **#14 NSDL resource page for MatDL's listing of NIST resources**
- #50, 64, & 73 is Internet Scout Report Archives that does not link to MatDL

7.31 "Materials science" study and teaching:

- **#12 is NSDL EV Pathways News blog with MatDL post**
- #13 is NSDL MIT Open Courseware resource page
- #14 is NSDL NIST resource page

7.12 Engineering

- NSF Engineering News search is #41 but does not link to MatDL

7.20 Engineering:

- #11 is NSF Engineering Directorate
- #27 is NSF Engineering news listing page

7.31 Engineering: no NSDL pages

7.12 Physics: no NSF or NSDL results (many organizational and omnibus sites though)

7.20 Physics: nothing

7.12 Materials science: nothing

7.20 "Materials science": **#110 is MatDL home page**

7.31 "materials science": not in top 120

7.12 Chemistry: nothing

7.20 Chemistry: #105 is NIST Webbook (webbook.nist.gov)

7.12 Biology: NSF Directorate for BioSciences is on Page #2, NSF Biology News page #4

7.20 Biology:

- #15 is NSF Biology Directorate
- #31 is NSF Biology News

7.12 Soft matter:

- #17 is MatDL Soft Matter Wiki
- 2 is NSF Nanoscience news

7.31 "soft matter"

- #17 is NSDL Soft Matter wiki

7.12 Nanoscience: #2NSF Nanoscience News

7.12 MatForge: 36 results

- #1 is Matforge.org
- **#3 is EV post on MatForge**

7.31 MatForge (38 results)

- #1 is Matforge.org
- **#5 is EV blogpost on MatForge**

7. ComPADRE

7.24 EV post on ComPADRE Physics modeling wiki containing all keywords

Keyword searches:

7.20 Astronomy--Study and teaching:

- #2 is AMSER, but their search results do not mention ComPADRE
- #12 is NSDL window to Exploratorium
- #13 is NSDL window to NSTA
- #39 is ComPADRE Per Central listing
(<http://www.compadre.org/PER/items/detail.cfm?ID=2978>)

7.25 Astronomy study and teaching:

- #12 NSDL Exploratorium resource page
- #13 NSDL ComPADRE Adopt a Physicist resource page
- #37 ComPADRE page listing PerCentral resource
- #44 EV Post on ComPADRE

7.31 Astronomy study and teaching:

- **#13 NSDL ComPADRE resource page**
- #14 NSDL Exploratorium resource page
- #28 ComPADRE Per Central page
- **#35 EV post on ComPADRE**

7.20 Physics--Study and teaching

- #2 is AMSER, no ComPADRE listing
- #3 is Internet Scout, no ComPADRE listing
- #13 is NSDL Window to Exploratorium
- #73 is NSDL Window to MIT Open Courseware
- #90 is ComPADRE page www.compadre.org/PER/items/detail.cfm?ID=2986

7.25 Physics study and teaching:

- #17 NSDL Exploratorium resource page
- #58 NSDL NASA Earth Observatory resource page
- #85 ComPADRE listing of Per Central resource
- Nothing for EV post, ComPADRE resource page

7.31 Physics study and teaching:

- **#11 NSDL ComPADRE resource page**
- **#27 EV post on ComPADRE**
- #53 NASA Earth Observatory resource page

- #76 ComPADRE Per Central listing

7.20 Astronomy -- nothing

7.20 Physics (see MatDL above)

Not searched: American Institute of Physics; Outreach Information; American Association of Physics Teachers; An open invitation to participate with comPADRE; Best practices for adding your site as a comPADRE resource; PSRC SEARCH; webmaster; Physical Sciences Resource Center (AAPT; Physics Central; American Astronomical Society; The Nucleus (SPS/AIP; Society of Physics Students; The Quantum Exchange (Coming Soon) (AAPT; What's New; Vision; Collection Updates; American Physical Society; Atmospheric Science

8. CSERD/Shodor Education Foundation

7.21 Lesson planning

- #78 is PBS Teachers homepage

Mathematics--Study and teaching (see TD)

Science -- Study and teaching (see TD)

Education (General) (See above)

Mathematics (see above)

Science (see above)

7.21 Computational Science

- #4 is Math at NIST (<http://math.nist.gov>)
- #20 is NSF Directorate for computer and information science (www.cise.nsf.gov)
- #52 is CSERD home page
- #80 is Shodor homepage

7.31 Computational Science

- #61 is CSERD home page
- #92 is SHODOR home page

Education (see above)

Not searched: explorations; hearing-impaired; interactivate; interactive learning; internships; lesson plans; math lessons; mathematics; middle school; science lessons

lessons; lesson plans; math lessons; science lessons; explorations; interactive learning; physics (see MatDL, #6); chemistry (see MatDL, #6); mathematics; math; middle school; high school; college; university; teacher; faculty; braille; hearing-impaired; education; learning; fun; interactivate; Shodor; interns; internships; mentors; mentoring

9. AMSER

Science (see Teachers Domain above)

10. Math Gateway

(In transition)

No keywords listed for "plantemath.org"