	<b>Document Title</b>	Controlled Vocabularies List
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	<b>Date Drafted:</b>	November 11, 2005
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## Controlled Vocabularies

4/02/2008 Update: URLs checked, updated, or amended as shown.

All URLs available as of 11/11/2005. Electronic versions of all resources are freely available unless otherwise noted.

### Guidelines:


- ANSI/NISO Z39.19-2005 Guidelines for the Construction, Format, and Management of Monolingual Controlled Vocabularies  
[http://www.niso.org/kst/reports/standards?step=2&gid=None&project\\_key=7cc9b583cb5a62e8c15d3099e0bb46bbae9cf38a](http://www.niso.org/kst/reports/standards?step=2&gid=None&project_key=7cc9b583cb5a62e8c15d3099e0bb46bbae9cf38a)

### General or Education:

- Digital Library for Earth System Education (DLESE) controlled vocabulary page includes general, education, and domain specific controlled lists.  
<http://www.dlese.org/Metadata/vocabularies/access-vocabs.htm>
- Education Resources Information Center (ERIC) Thesaurus offers a list of education-related subject terms.  
[http://www.eric.ed.gov/ERICWebPortal/Home.portal?\\_nfpb=true&\\_pageLabel=Thesaurus&\\_nfls=false](http://www.eric.ed.gov/ERICWebPortal/Home.portal?_nfpb=true&_pageLabel=Thesaurus&_nfls=false)
- ENCdl subject lists
  - K-12 Mathematics - [http://msteacher.org/resources/subject\\_list.aspx?sub=math](http://msteacher.org/resources/subject_list.aspx?sub=math)
  - K-12 Science - [http://msteacher.org/resources/subject\\_list.aspx?sub=sci](http://msteacher.org/resources/subject_list.aspx?sub=sci)
  - K-12 Education Issues - [http://msteacher.org/resources/subject\\_list.aspx?sub=issues](http://msteacher.org/resources/subject_list.aspx?sub=issues)
- ETB Thesaurus (European Schoolnet) is a multilingual list of terms for educational and supporting materials. <http://www.eun.org/goto.cfm?did=7208>
- Gateway to educational materials (GEM) controlled vocabularies - currently unavailable.
- U.S. Department of Education Metadata Reference includes lists for audience, education level, and resource type as well as subject. <http://www.ed.gov/admin/reference/index.jsp>
- UNESCO Thesaurus includes subject terms for: education, science, culture, social and human sciences, information and communication, and politics, law and economics. It also includes the names and groupings of countries: political, economic, geographic, ethnic and religious, and linguistic groupings. <http://www.ulcc.ac.uk/unesco/>
- Library of Congress Classification
  - Outline linking to PDFs. <http://lcweb.loc.gov/catdir/cpso/lcco/lcco.html>
  - Unofficial site  
<http://geography.miningco.com/science/geography/library/congress/blc.htm>

### Science and Technology domain specific:

- BIOSIS BiologyBrowser for the life sciences. <http://www.biologybrowser.org/>
  - Systematic Thesaurus Used in Zoological Record  
<http://www.biosis.org/support/zr-thesaurus/sys-full/>

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- Subject Thesaurus Used in Zoological Record  
<http://www.biosis.org/support/zr-thesaurus/subj-full/>
- CSA-NBII Biocomplexity Thesaurus (merged CSA Aquatic Sciences and Fisheries Thesaurus, the CSA Life Sciences Thesaurus, the CSA Pollution Thesaurus, the CSA Sociological Thesaurus, and the CERES/NBII Thesaurus) '  
<http://export.nbii.gov/xml/web-resources/xmlfiles/NBIIHQ/55386.html>
- ASFA (Aquatic Sciences and Fisheries Abstracts) Thesaurus  
<http://www4.fao.org/asfa/asfa.htm>
- ITIS Integrated Taxonomic Information System on plants, animals, fungi, and microbes of North America and the world. <http://www.itis.gov/>
- Semantic Web for Earth and Environmental Terminology (SWEET) ontologies.  
<http://sweet.jpl.nasa.gov/ontology/>
- The Terminology Reference System (TRS) for environmental terminology.  
<http://www.epa.gov/trs/>
- GEON – The geosciences network ontology registry (Free access, but login required).  
<https://portal.geongrid.org:8443/gridsphere/gridsphere?cid=GEON+Ontology&JavaScript=enabled> (URL NO LONGER ACTIVE; NO REVISION FOUND 4/02/2008)
- Outline of INSPEC Classification for Physics, Electronics and Computing (full version available for purchase).  
<http://www.iee.org/publish/support/inspec/document/class/classif.cfm> (URL NO LONGER ACTIVE; BEST ALTERNATIVE (access to downloadable PDF):  
<http://www.theiet.org/publishing/inspec/about/coverage/>)
- INSPEC Numerical Data Indexing Thesaurus (available for purchase)  
<http://www.theiet.org/publishing/inspec/products/range/thesaurus.cfm>
- The Association for Computing Machinery (ACM) Computing Classification System [1998 Version], Valid in 2005. <http://www.acm.org/class/1998/>
- NASA Thesaurus (pdf files) includes aerospace engineering terms as well as all supporting areas of engineering and physics, the natural space sciences, Earth science, the biological sciences. <http://www.sti.nasa.gov/thesfrm1.htm>
- Physics and Astronomy Classification Scheme (PACS) provided by the American Institute of Physics. <http://www.aip.org/pacs/>
- Astronomy Thesaurus available from the Australian National University Research School of Astronomy and Astrophysics. <http://msowwww.anu.edu.au/library/thesaurus/>
- Optics Classification and Indexing Scheme (OCIS) provided by the Optical Society of America. <http://www.osa.org/pubs/authors/ocis/>
- 2000 Mathematics Subject Classification (MSC) provided by the American Mathematical Society. <http://www.ams.org/msc/>
- Core Subject Taxonomy for Mathematical Sciences Education
  - 2002 version <http://people.uncw.edu/hermanr/MathTax/oldtax.htm>
  - 2005 version with revised Probability and Statistics terms  
<http://people.uncw.edu/hermanr/MathTax>
- Journal of Chemical Education (JCE) controlled vocabulary of keywords from four major categories: audience, domain, element, pedagogy, and topic.  
<http://www.jce.divched.org/Contributors/Authors/Journal/keyworddefs.html>