Creating a WikiHyperGlossary for ChemEd DL

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What is the NSDL ?
National STEM Distributed Learning Program
(Formally National Science Digital Library)

What are NSDL Pathways?
NSDL Pathways are NSF Partners who provide “audience-specific” portals to STEM content

ChemEd DL is the Chemical Education Pathway of the National STEM Distributed Learning

What is a WikiHyperGlossary (WHG) ?

WHG inside the Classroom?

Ideas?

A. Use of Automated Markup

• A “Learning Cycle” assignment could be developed where students submit their own MS WORD documents to the ChemEd DL through the WHG. A document is returned as a dynamic web page linking to the multimedia content of ChemEd DL. The content could be further explored and refined.

B. Use of Glossary Content Generation

• Could students create Glossary Content associated with an e-textbook and use the wiki tool to edit/peer review each others work in a fashion where the instructor can monitor work through the version history?

WHG outside the Classroom?

Acknowledgments

First field is textual content developed by students at Sam Houston State University and then translated to Thai by a student at Oxford (both translations are available with original work being done by students of Dr. Thomas Chasteen)

Second field is a Jmol digital object which could be pulled out of the ChemEd DL

Development Site - http://bioinformatics.ualr.edu/HyperGlossary/hg/about

Multiple Terms can be Displayed within Requesting Document

Digital Objects can be Manipulated within Requesting Document

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