
WebQuests – A Web-based Tool for Teachers

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What is a WebQuest?

A WebQuest is

- an inquiry-oriented activity in which some or all of the information that learners interact with comes from resources on the Internet

http://edweb.sdsu.edu/EdWeb_Folder/courses/EDTEC596/About_WebQuests.html

WebQuests?

- Why?
- What?
- How?
- Examples

Why WebQuests?

- based on sound teaching and learning pedagogy
- well resourced on the Internet
- growing community of WebQuest developers and users

Bloom's Taxonomy

- Knowledge - the student remembers facts
- Comprehension - the student understands relations and context
- Application - the student can apply his knowledge to new areas
- Analysis - the student can analyse and find parts
- Synthesis - the student can create something unique of his own
- Evaluation - the student can give value judgements based on facts

<http://www.coun.uvic.ca/learn/program/hndouts/bloom.html>

<http://www.wested.org/tie/dlrn/blooms.html>

<http://www.stedwards.edu/cte/bloomtax.htm>

<http://illinois.online.uillinois.edu/model/bloomtaxonomy.htm>

SOLO - Structure of the Observed Learning Outcome

- Prestructural - irrelevant response
- Unistructural - the use of one obvious piece of given data
- Multistructural - the sequential use of one obvious piece of data
- Relational - the integration of the given data to form a unique conclusion or generalisation
- Extended Abstract - the use of multiple interacting abstract systems to form a response. This may include a general hypothesis, assessing the quality of models and accepting open-ended answers.

<http://www.edfac.unimelb.edu.au/DSME/TAME/Arnold/TAME-pages/CandS4.html>

Constructivism

- learning is based on students' active participation in problem-solving
 - involving critical thinking
 - learning activity is relevant and engaging
 - "constructing" their own knowledge by testing ideas and approaches based on their prior knowledge and experience
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