



# MicroWeb Toolkit

University of Saskatchewan

## Objectives for Innovation

Web software to manage the use of the Internet in teaching

## Intended Audience

K-12 teachers and students

## Results Achieved

Software tools to help teachers collect, classify and construct web-based resources by topic

Portable reference materials that can be shared widely

Students can construct a personal understanding of the materials

## Implementation

June 1997

## Program Web Site

<http://www.cs.usask.ca/projects/ether/microweb/index.html>

## Additional Benefits

Used by nearly 300 teachers in 1997

Some core ideas for web site development adopted in further research

Successor projects currently under development

The MicroWeb Toolkit provides software tools for teachers to organize and present educational materials using resources available on the World Wide Web.

The tools help teachers to classify and construct web resources in collections specific to topics. Each collection is a series of pages describing concepts and showing examples. The teacher creates the pages using a graphical representation, or concept map, with examples pages found or placed on the World Wide Web. The result is a portable set of reference materials that can be used on computer systems that support a graphical web browser.

Students follow their own pace and browsing sequence with any collection, but the teacher selects the materials presented and determines how those materials are linked to the concepts. Students explore many different examples of concepts and gradually come to understand the materials from their own perspective.

Teachers who incorporate the World Wide Web at elementary and secondary education levels must be able to locate appropriate materials quickly and easily, within the curriculum guidelines, and with particular sensitivity to censorship. The MicroWeb Toolkit enables teachers to organize and structure collections of useful web documents to meet the teaching objectives.

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