Creating Educational Activity Templates for Digital Libraries

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Targeted Research Track DUE 0435464

RESEARCH FOCUS

- Enhancing the educational impact of digital libraries at the elementary level
- Standards-based life science content for Grades 3-5
- Scaffolded learning activities from concept learning to independent inquiry
- Template system to build online activities linked to digital libraries
- Macromedia Flash software as a template development tool

RESEARCH TASKS

- Build a digital collection for research
- Develop a prototype template system with Macromedia's Flash software
- Evaluate the prototype at several schools
- Link the prototype to NSDL collections
- Investigate ways to integrate templates into the broader NSDL effort, addressing interoperability, sustainability, and intellectual property rights

CONCEPTS

Find - Match
Categorize - Arrange
digital media objects

MICROWORLDS

Build an ecosystem
Modify variables

INQUIRY

Ask - Observe
Analyze - Evaluate

PROJECT FUTURE

- Easy-to-use tools that link online collections to learning activities
- Flash-based templates for other audiences and content areas
- Innovative professional development tools for science education

PROJECT TEAM

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