

# 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

Jack Hankin, science education  
www.planetdiary.com, Pearson Education  
John Ittelson, Ph.D., interactive design  
California State University, Monterey Bay  
Martin Kurth, metadata  
Cornell University Library  
Beverly Marcum, Ph.D., biology, education  
California State University, Chico  
Iris Martinez Kane, science education  
Independent Curriculum Developer  
Leslie Smith, science education  
Nevada County Schools  
Eric Strauss, Ph.D., biology  
Boston College, Urban Science Institute  
Seija Surr, online learning, curriculum design  
Riverdeep Publishing Company  
Dave Tessman, computer software design  
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## CONTACT INFORMATION

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