DLConnect: Connecting teachers with NSDL resources

http://dlconnect.usu.edu

UtahState UNIVERSITY

EASTERN MICHIGAN UNIVERSITY

DLConnect Mission

- Focus on NSDL dissemination within school settings through development workshops

- Employ an iterative program of workshop development and deployment

- Directly impact 250 teachers

- Through a well-developed scheme for dissemination and sustainability, indirectly impact schools nationwide

Goals

- Design and implement an innovative and powerful workshop model
- Use evaluation and research to demonstrate effectiveness on learning and teaching
- Leverage connections for widespread dissemination
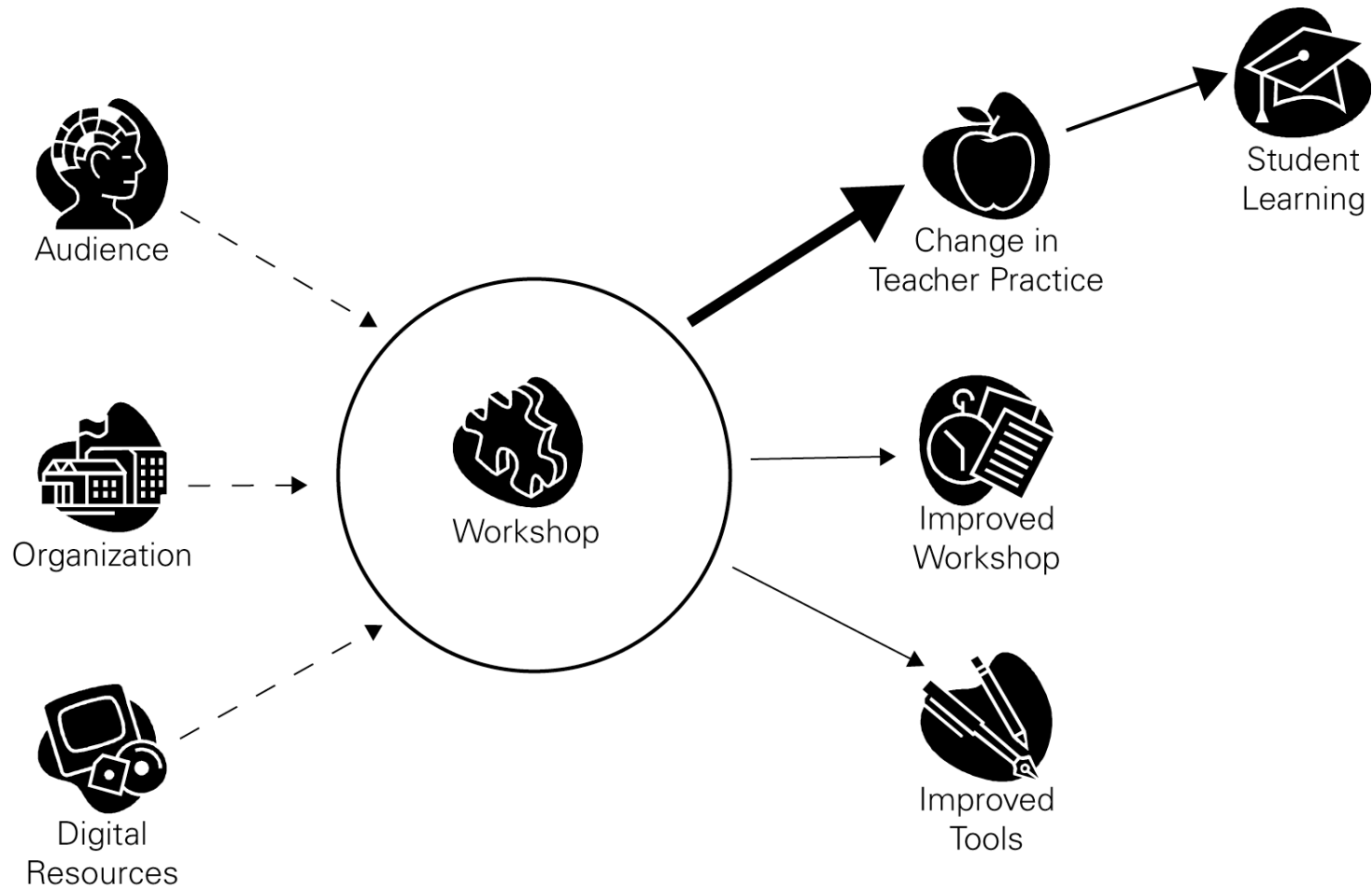- Establish a solid foundation for sustainability

Audience and Activities

- Target middle school math and science teachers, pre-service teachers and media specialists

- Use online tutorials, workshops, and classes to deliver pragmatic instruction on using NSDL resources to improve student achievement

- Impact 5,000 teachers, with a focus on underserved populations

- Partner with schools and professional societies

- Share tested curricular materials for use by other projects and results with NSDL developers

Theoretical Framework

Audience

Organization

Digital Resources

Workshop

Change in Teacher Practice

Student Learning

Improved Workshop

Improved Tools

Pilot Work at USU

- Rapid cycles of development and evaluation

- Methods: electronic and online surveys, participant observations, group interviews, key informant interviews, and webmetrics

USU Pilot Workshops

Teacher Participants	N
1. Pre-service @ USU (Fall 2003)	14
2. Pre-service @ USU (Fall 2003)	20
3. Pre-service @ USU (Spring 2003)	14
4. School Library Media Specialist @ USU (Summer 2004)	13
5. In-service, secondary science (Fall 2004)	17
6. In-service, elementary math (Fall 2004)	18
Total	96

EMU Planned Workshops

Teacher Participants	N
1. Pre-service @ EMU (Winter 2005)	25
2. Pre-service @ EMU (Spring/Summer 2005)	50
3. School Library Media Specialist (Summer 2005)	15
4. In-service, 6-9 science (Summer 2005)	15
5. In-service, 6-9 math (Summer 2005)	15
Total	105

Outcomes

- Tested face-to-face and online curricula
- Change agent model
- Impact on teacher usage of NSDL resources
- Standardized, valid, and reliable online survey instruments
- Defining quality and effectiveness rubrics for Digital Libraries and Online Resources

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