



# *Virtual Dave Lankes*

## P r e s e n t a t i o n

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**TITLE:** The Evolving Education Digital Library: Or Why the Plumbing Matters

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**ABSTRACT:** An overview of current education digital libraries, digital library technologies, and anticipated impacts on K-12 education.

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# The Evolving Education Digital Library: Or Why the Plumbing Matters

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# Agenda

- Overview of Digital Libraries for Education
  - Why It Matters to You
- Education Digital Library
  - What is Out There Now
- Where is this Headed



# Terminology Overload

- Portal, Digital Library, Web Site, Information Resource, Gateway, Internet Information System...
- A Place for Education Professionals to get the Information They Need...In the Way They Need It.



# The Education Digital Library

- “A managed environment of multimedia materials in digital form, designed for the benefit of its user population, structured to facilitate access to its contents, and equipped with aids to navigate the global network ... with users and holdings totally distributed, but managed as a coherent whole.” – Collier/NSF



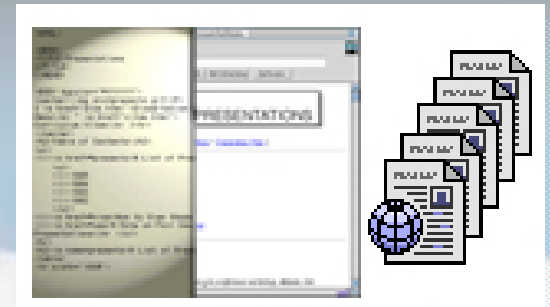


# Basic Digital Library Model



Internet

Intermediation



Collections/  
Resources

Digital Library



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# Current Examples

- AskERIC
  - <http://www.askeric.org>
- The Gateway to Educational Materials
  - <http://www.thegateway.org>
- National Science Digital Library
  - <http://www.nsdli.org>



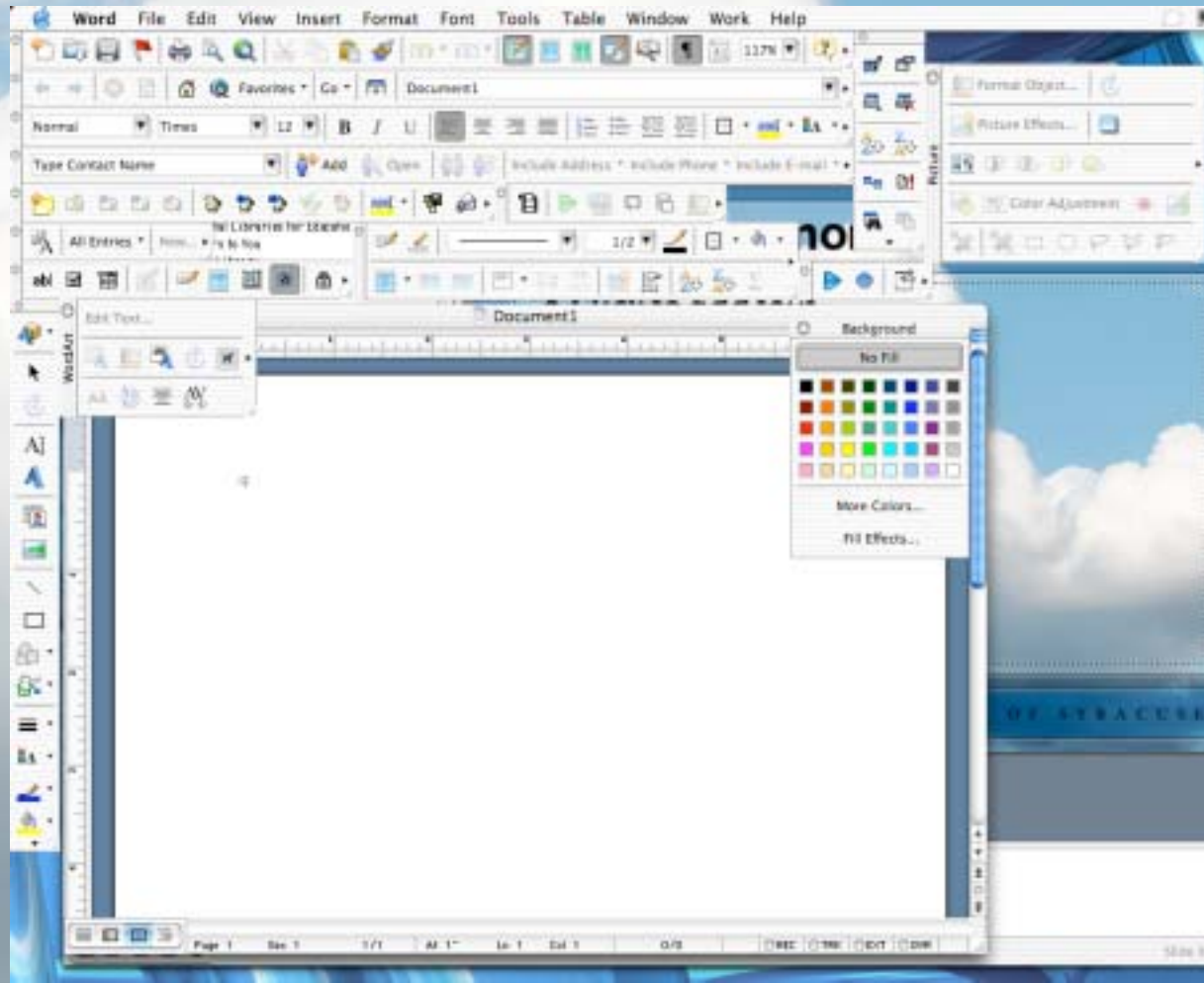
# A Consumer Approach



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# Common Interface=LCD



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# Some Underlying DL Concepts

- Interface, Architecture, Information are all Separable
  - Can build multiple interfaces to a collection of education materials
  - Sherlock and Watson
- Plumbing/Technologies to “Pay Attention To”
  - XML, OAI, SOAP, Dublin Core, IEEE LOM



# Levels of Information

Local	SIS, Lessons, Policies
Regional	Local History, Teaching Center Data, BOCES Resources
State	Standards, Reporting, Policies, Law
Federal	Policies, Research, Synthesis



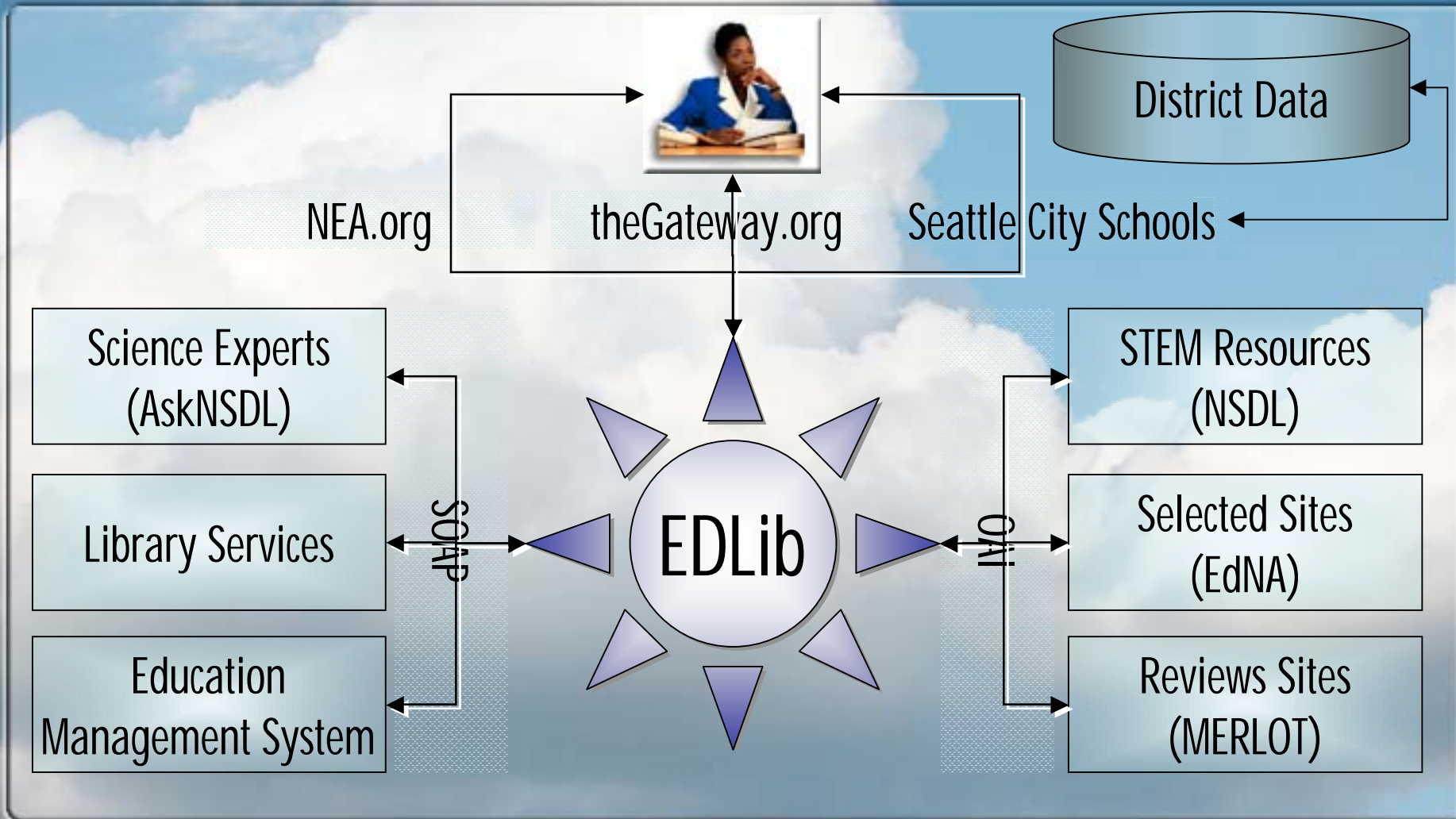
# Levels of Information

Local	PowerSchool, WinSchool
Regional	County Systems, BOCES
State	Mass. VES, Washington Digital Education Commons, NYS-VES
Federal	AskERIC, GEM, NSDL, ED.gov





# Expanded Model of Education DL



# Why This *WILL* Matter

- As Schools Get More Connected They Will Get More Network Centric
- As Schools Get More Network Centric, They Will Need Better Tools to Access More Information
- As Schools Get More Information They Will Need Better Tools to Organize and Integrate That Information Into the Education Enterprise



# What to Do

- Now: Get to More Information Sources
- Next: Acquire Better Integration Tools
  - Standards and Network Based
- Ultimately: Build a Multi-Tiered Education Digital Library System
  - Classroom School District State Nation



# Don't Panic!

- Knowing the Web is Enough to Access Current Excellent Resources
- Large Federal and State Investment in Education Information Infrastructure
  - State Education Portals, Digital Libraries, etc.
- Rapid Development of Tools and Standards for “Enterprise Integration”
  - I.e., by the time you’re ready to do it, it will be off the shelf

