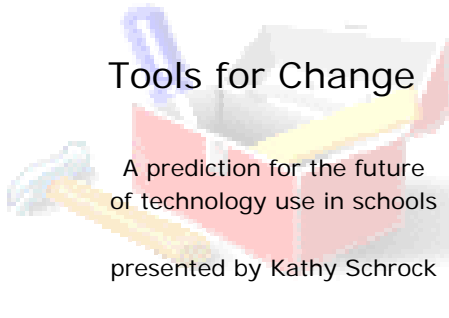


Tools for Change

A prediction for the future
of technology use in schools

presented by Kathy Schrock



Overview

- Tools for change
- Instructional practices
- Classroom environment
- The “new” literacy



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A day in the life...2004



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“Anytime, anywhere”

Personal portable device

- Wireless LAN
- Multimedia
- Small apps
- Handwriting/voice recognition
- Expandability with slot



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“Anytime, anywhere”



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Textbooks

Electronic Books

- Multimedia
- Updatable
- Keyword searching
- Note-taking
- 40,000+ pages



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Administrative Tasks

Biometric recognition

- Attendance
- Hall passes



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Administrative Tasks

Lunch selection

- Identified by IP
- Log on to cafeteria server
- Pay by e-wallet



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Administrative Tasks

Daily announcements

- Identified by IP
- No more loud speaker
- Targeted for each child
- Notes for home included

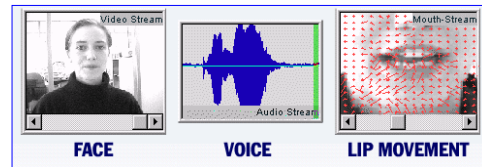


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Administrative Tasks

Cafeteria

- Identified by biometric technology methods



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Student tools

Tablet device

- Large screen allows sharing
- Wireless
- Internet and network ready
- CD-ROM and camera



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Instructional Practices



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Instructional Practices: Teacher

Old way

- Disseminator
- Packaged information
- Lecture/handouts
- Teacher in control
- Computers
 - Drill and practice
 - ILS
 - Tutorials

New way

- Facilitator
- Resource provide
- Provides access
- Teacher as learner
- Technology
 - Research
 - Problem-solving
 - Communication

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Instructional Practices: Student

Old way

- Receiver
- Passive
- Memorizer
- Worked alone
- Did not share

New way

- Searcher
- Active researcher
- Problem-solver
- Strategist
- Collaborator
- Experiential learner

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Instructional Practices: Content

Old way

- Discipline-specific
- Separate subjects
- Divided into small chunks
- Memorization
- Hard to learn it all

New way

- Interdisciplinary
- Multiple perspectives
- Real-world problems
- Small concepts
- Insight

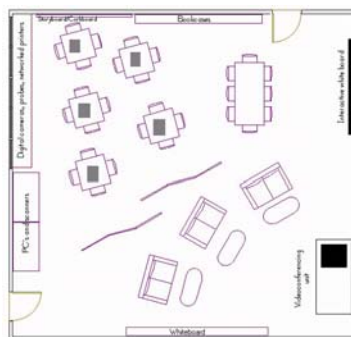
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Classroom Environment



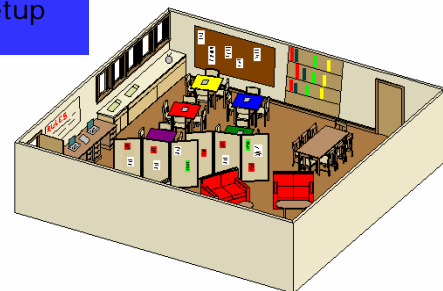
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Classroom Setup



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Classroom Setup



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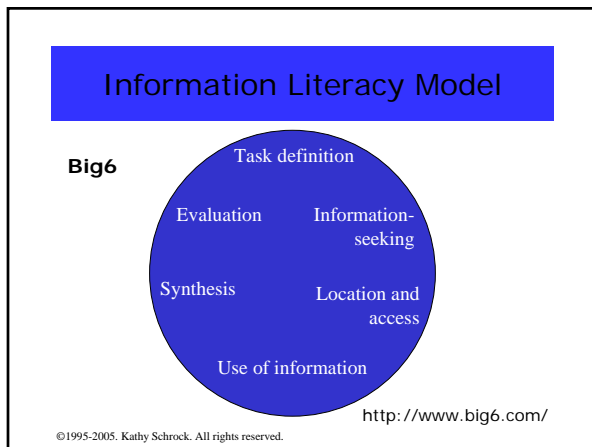


Information Literacy Team

Team

- Classroom teacher
- Library media specialist
- Technology teacher

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Access to Information

- Will cost money based on type
 - Web pages: \$
 - Video on demand: \$\$
- Students will use e-wallets
- Subscription sites
 - Authoritative
 - Valid
 - Original information

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Wrap-Up

- There will be access to individual tools in the classroom for students to use
- The instructional practices will change
- The classroom environment will change
- Information literacy skills will be the basis for all information acquisition

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Bibliography

Siegel, Marty and Gerald A. Sousa. (1994)
Inventing the Virtual Textbook. Accessed via the World Wide Web 13 April 2001:
<http://cee.indiana.edu/publications/vtexts.html>

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