



From Abacus to Avatar: Technology for Learning

Dean Kathleen McCartney
Harvard Graduate School of Education

Cisco Public Services Summit 2007
“Creating Connected Learning Environments”
Stockholm, Sweden
December 10, 2007



Child Engagement



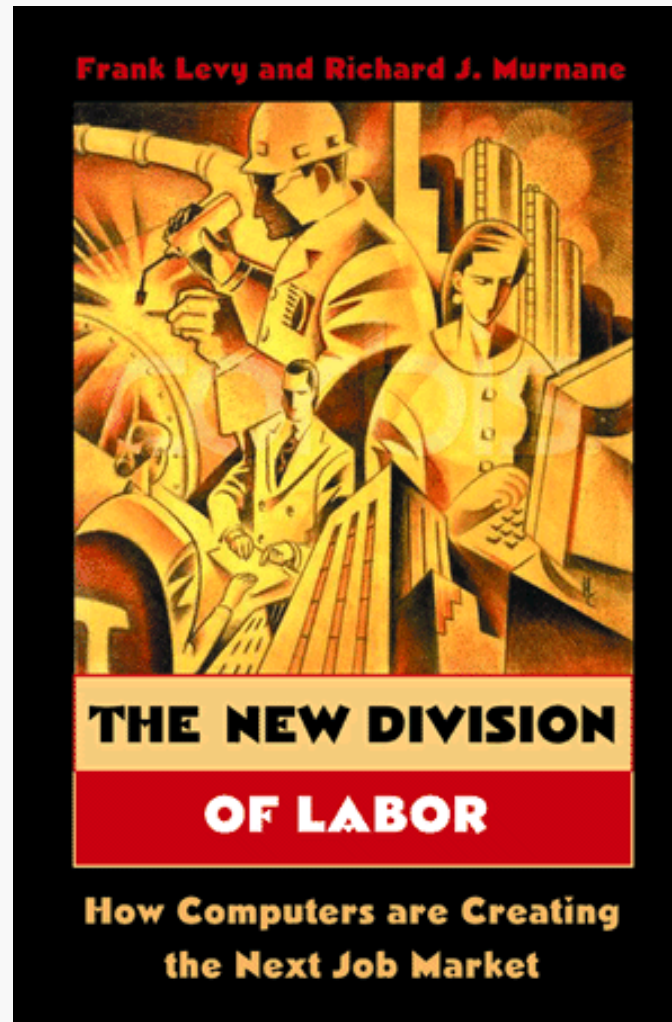


Setting the Context





Preparing Students for a Knowledge-Based Economy





Curriculum: Learning Through Virtual Collaborations





River City: A Multi-User Virtual Environment

[Video presentation here]

Generating Knowledge: Disseminating Research

Usable Knowledge

Text Size

SEARCH

LEADERSHIP
AND
POLICY

LEARNING
AND
DEVELOPMENT

DECISIONS
THROUGH
DATA

COMMUNITY
AND
FAMILY

TEACHING
AND
CURRICULUM

Featured Sections

**Video & Audio
SPOTLIGHT**
Our faculty talks
...to you

Tell us how you
are using
Usable Knowledge!
SHARE YOUR IDEAS!

New on the Site

All for one: Tracking the
course of China's
"perfect" generation

Are people more than
just their brains?

Learning in a virtual
world

Learning to stand in
someone else's shoes

Beyond Usable Knowledge

[HGSE Home](#)

[Professional Education](#)

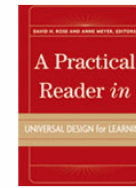
[Harvard Education Publishing](#)

Connecting research and practice ... for leaders in education

Recent faculty publications

Universal Design for Learning

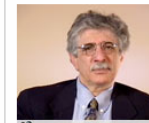
Are current curriculum
and assessment tools –
rather than an individual
learner's specific
disability – the real
impediments to
learning? How can we
remove barriers that limit
student achievement?
[More >>](#)



Focus on ...

Teaching for Understanding

HGSE faculty develop a
framework that keeps
the focus of educational
practice on students'
understanding, while
allowing teachers
flexibility to design units
that fit their priorities and
teaching style.
[More >>](#)



Video

Research ↔ Practice

Robert Selman shows
how teachers can help
children develop their
social awareness.
[More >>](#)



Dean's Welcome

From Kathleen McCartney,
Dean of HGSE and Gerald
S. Lesser Professor in
Early Childhood
Development.
<video> - <text>

Please join our mailing list ...

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We want your input ...

[Click here to complete a brief online survey.](#)

Coming attractions ...

Karen Mapp recommends
strategies for engaging families
and communities to improve
student learning.

Generating Knowledge: Disseminating Research

Institute of Education Sciences U.S. Department of Education

ies WHAT WORKS CLEARINGHOUSE

NewsFlash Contact Site Index Help

Search Go

Overview Intervention/Topic Reports Practice Guides Technical Assistance Research to Review Technical Working Papers What's New

Welcome to **WWC**

The What Works Clearinghouse (WWC) collects, screens, and identifies studies of effectiveness of educational interventions (programs, products, practices, and policies). The WWC regularly updates the WWC Technical Standards and their application to take account of new considerations brought forth by experts and users. Such changes may result in re-appraisals of studies and/or interventions previously reviewed and rated. The current WWC Standards offer guidance for those planning or carrying out studies, not only in the design considerations but the analysis and reporting stages as well. The WWC Standards, however, may not pertain to every situation, context, or purpose of a study and will evolve.

What's New? 

NCER Releases Two New Practice Guides: Sep 28
Encouraging Girls in Math and Science and Organizing Instruction and Study to Improve Student Learning
Encouraging Girls in Math and Science is the second in a series of IES guides in education; Organizing Instruction and Study to Improve Student Learning is the third IES Practice Guide. [\(more info\)](#)

WWC Releases New Intervention Report - Success for All Aug 13
Success for All (SFA)® is a comprehensive school reform model that includes a reading, writing, and oral language development program for students in pre-kindergarten through grade eight. [\(more info\)](#)

WWC Releases New Intervention Report - Ladders to Literacy for Kindergarten Students Aug 13
Ladders to Literacy is a supplemental early literacy curriculum published in Ladders to Literacy: A Kindergarten Activity Book. [\(more info\)](#)

WWC Releases New Intervention Report - The Voyager Universal Literacy System® Aug 13
The Voyager Universal Literacy System® is a core reading program designed to help students learn to

-Customer Window-
[Provide feedback on additional topics for the What Works Clearinghouse](#)

 **CURRENT TOPICS**



Beginning Reading. This review focuses on reading interventions that address student outcomes for students in grades K-3 in four domains.



Character Education. This review focuses on programs designed to increase student outcomes related to positive character development, prosocial behavior, and academic performance.



Dropout Prevention. This review focuses on interventions in middle school, junior high school, or high school designed to increase high school completion, including techniques such as the use of incentives, counseling, or monitoring.



Early Childhood Education. This review focuses on curricula and practices designed for use in center-based settings with three- to five-year old children, not yet in kindergarten.



Elementary School Math. This review focuses on curriculum-based math interventions that



Professional Development: Integrating Technology into the Curriculum





The Litmus Test: Improving Student Learning

