Convergence! Project Based Learning and the Common Core Standards

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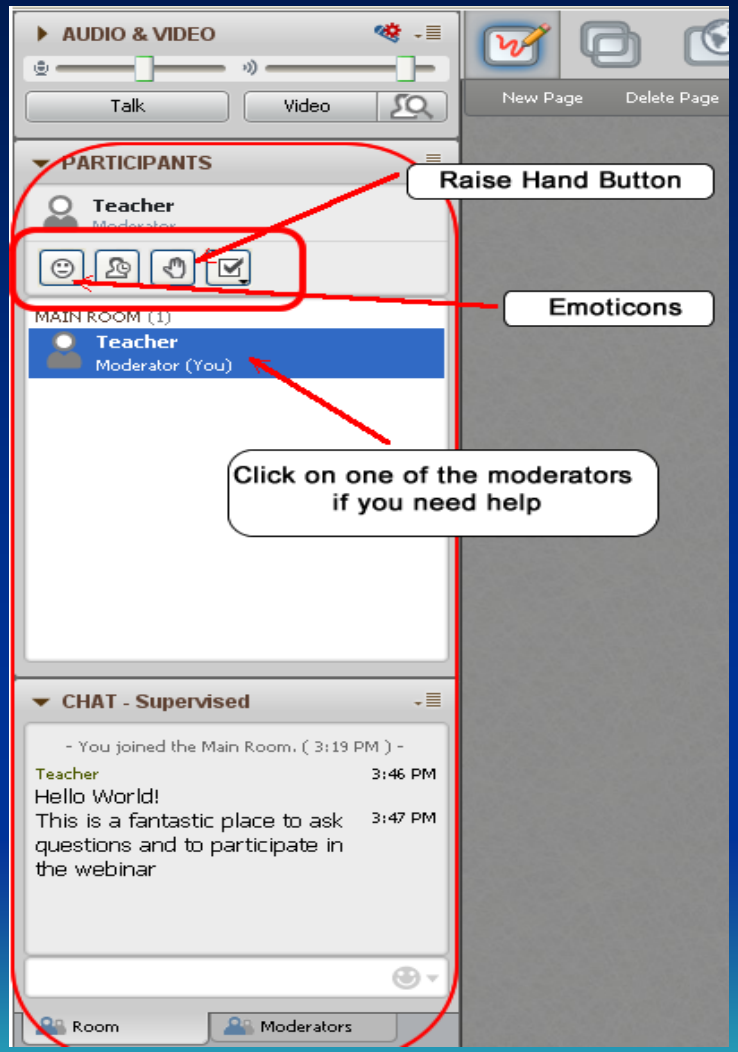
Bio available at: www.teachersworkshop.com

Welcome and Housekeeping

- **Quick Write**: Type messages into chat area

- **Polls:**
  - a couple of multiple choice polls
  - several “yes/no” polls

Getting Help



- Private message:
  - click on the participant you wish to contact
- "Raise Hand" button
- "Emoticon" buttons

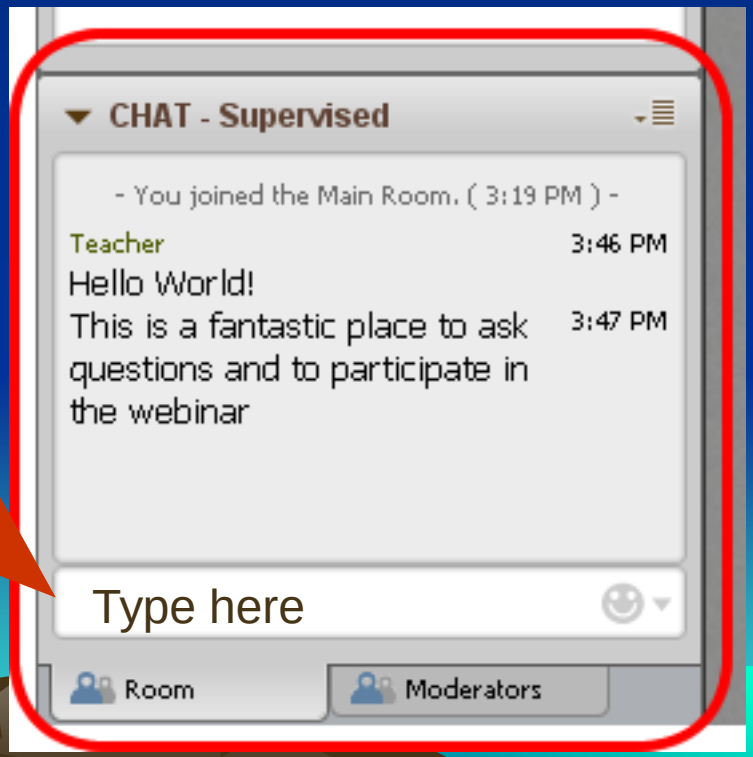
Emoticons

Raise Hand

CHAT AREA

Quick Responses:

Type in the white space and press “Enter.”



POLL: Multiple Choice

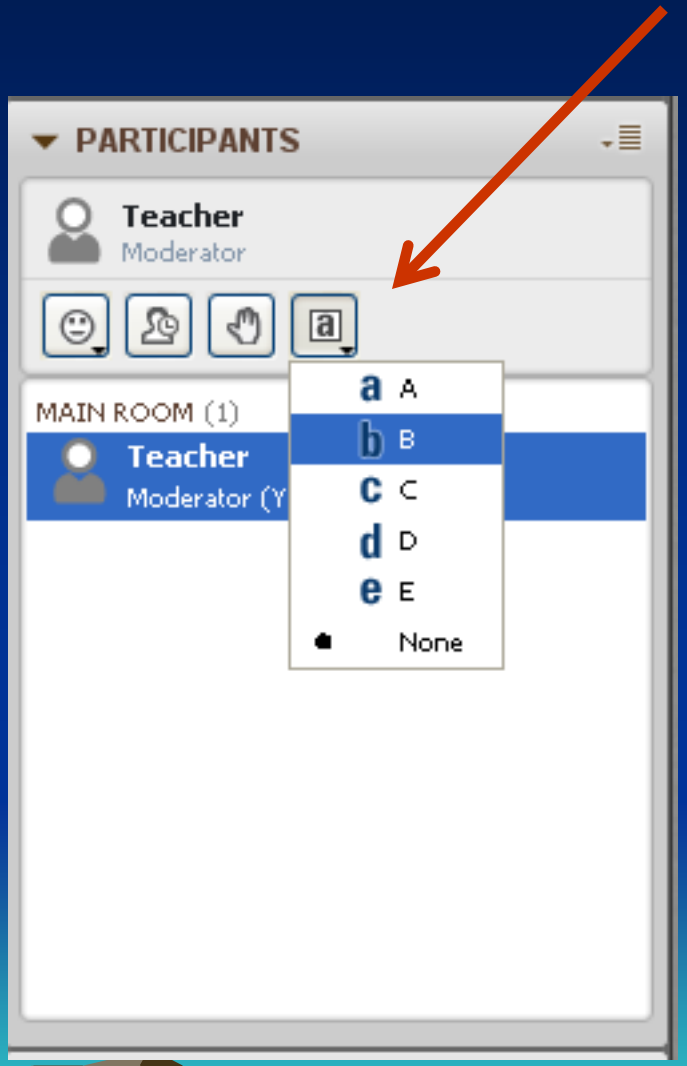
Please check what position you hold:

A. Teacher or instructor

B. Curriculum developer, coordinator or coach

C. School or district administrator

D. Other

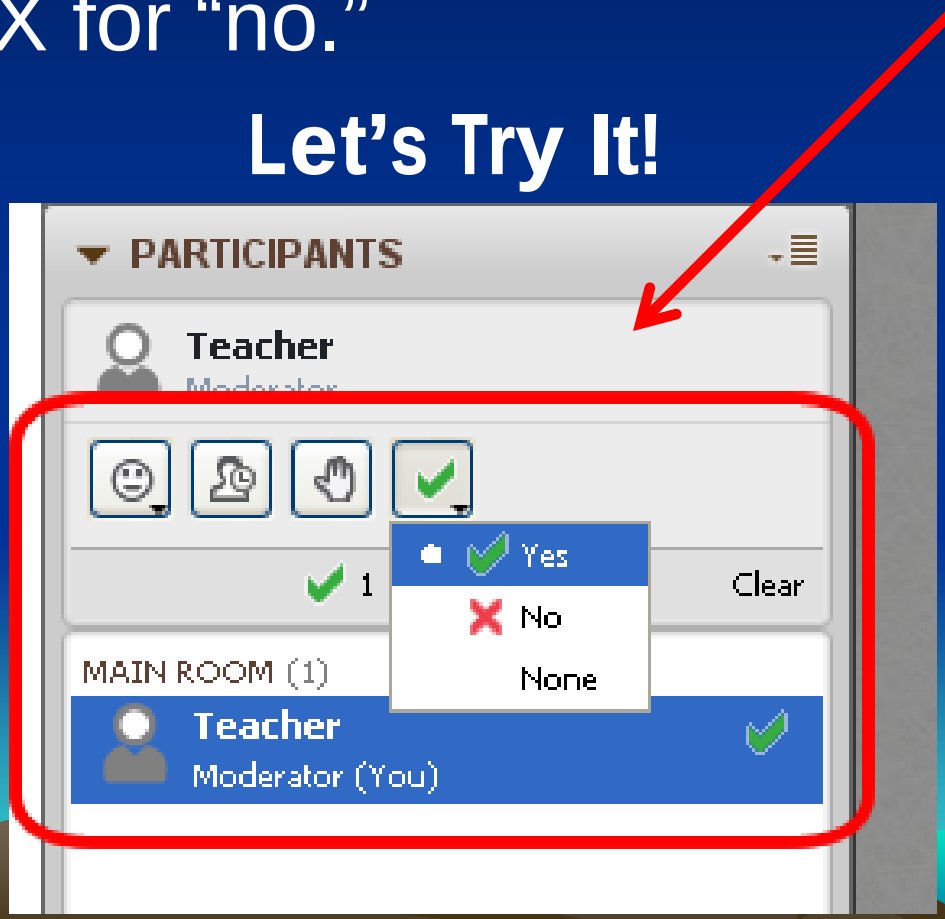


QUICK POLL: Yes/No

Click the check mark for “yes.”

Click the X for “no.”

Let’s Try It!



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Speakers/Presenters:

Michael Fullan
Marc Prensky
Rick Hess
William Bender
Kathy Glass

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My Background

- Taught eight/ninth grade students with LD, BD, ODD, ADHD, EMR, several years.
- Earned a PH.D. in Learning Disabilities from UNC/Chapel Hill
- Taught in higher education over 25 years.
- Wrote over 60 articles and 22 books
- Currently writes and speaks all over USA and Canada on PBL, Differentiation, RTI, 21st Century Tech-based Teaching.

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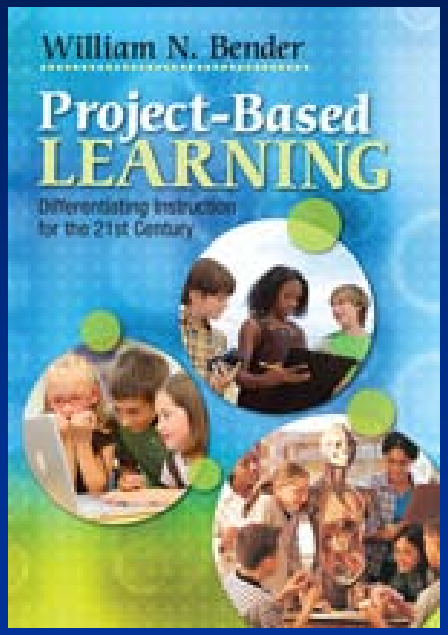
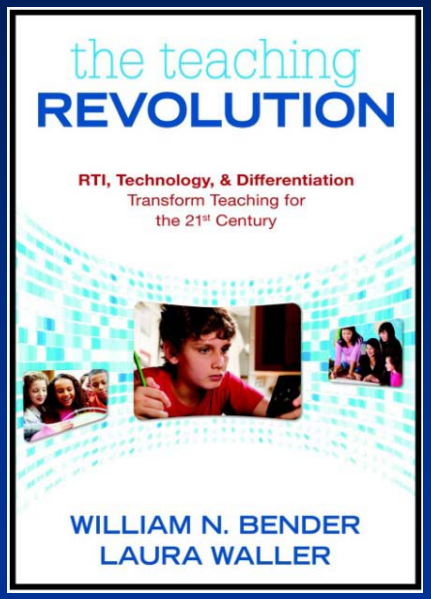
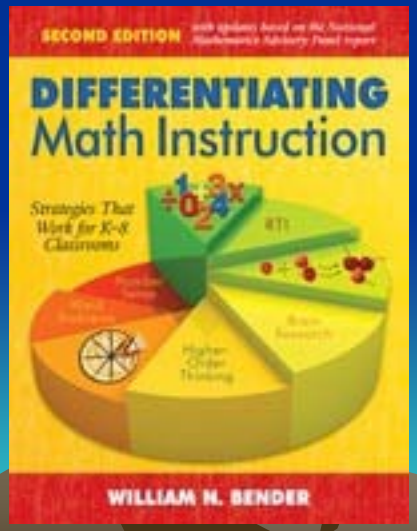
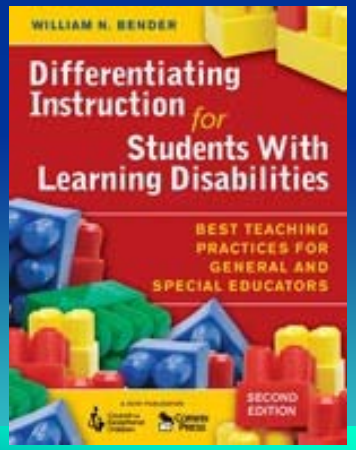
My Recent Books on This Topic









My Perspective: A Preview

"We must not teach 21st century students with 20th century ideas, and educational standards represent 20th century thinking. In short, new CCSS is not likely to have the results we want unless we modernize our instruction in that process. I argue that Project Based Learning is our best option for successful CCSS implementation."

A Poll: Your Experience Level with PBL

- A) I’m very experienced with PBL
- B) I’ve begun one or more PBL projects but need to know more
- C) I’m fairly well read on PBL but haven’t begun PBL as yet
- D) I’ve read only a bit on PBL at this point
- E) I’m fairly new to PBL

Knowing 21st Century Learners

- Two approaches:
  - What do kids need to learn for the 21st century?
  - What are our kids learning characteristics?

What do Kids Need to Learn?

- --cognitive skills (deep understanding, transfer, knowledge application)
- --interpersonal skills (collaboration, next century communication skills)
- --Intrapersonal skills (resiliency, persistence, resourcefulness)

How Do Kids Learn Today?

- C2S2 Kids!

- Collaborative learners
- Creative learners
- Social learners
- Self-directed learners

Chat Question:

- What would you guys add to this list of characteristics?
- Do you see some of these student traits in your classroom?
-

Convergence!

- --Overlapping trends in education which inform and influence each other.

- Differentiated instruction
- Tech-based instruction
- Response to Intervention
- Common Core State Standards (CCSS)
- Project Based Learning

Chat Question

- What other trends/examples could we provide of instructional practices that seem to be converging in education today?
- Can these 5 or more converging trends support CCSS?

What is Project Based Learning

- A Video Example from Canada!

- A 5 minute example:
- http://www.youtube.com/watch?v=NPW1gT_9rcw$feature=related

Chat Questions

- Did you see any examples of the types of learning (cognitive skills, deeper learning, transfer) that we hope to foster through the implementation of CCSS?
- Did you see anything else about this video example that surprised you?

Project Based Learning

- PBL involves a student driven inquiry into a highly motivating problem/project, using modern technologies to allow students to address authentic problems from the real world. In PBL instruction, the projects drive and structure the instruction, not lesson plans or units of instruction. PBL projects involve mapping projects to standards covered, and may replace instructional units and/or courses entirely. Publication of student work is the payoff of PBL!

Unpacking This Definition

- In PBL student generated or student selected projects must drive the curriculum.
- Projects assigned within units of instruction are not PBL. They may be great projects, but they are not driving the curriculum.
- PBL projects involve associating projects with standards covered.

An Explanation of PBL

- 3 minute video:

- http://www.youtube.com/watch?vLMCZvGesRz8$feature=related

Chat Question:

- What aspects of PBL did this example stress that were not emphasized in the former example?

- Many different perspective exist on exactly what PBL is. That's why I provided my definition previously.

A Homework Assignment!

- Outside of this webinar, please review a student description of PBL! It will motivate you to do this!

- http://edvisionsschools.org/custom/SpaskPage.asp

Components of PBL Projects

Brainstorming
Topic identification
Student choice
Artifact description
Dividing up assignments
Timeline the project
Searching for info
Synthesizing
Developing project parameters
Collaborative decision making
Communication of the project

- All of these are 21st century workplace skills!

Steps in PBL

- Anchor and a Driving Question
- Assignment of students to a PBL Group
- Specific assigned tasks for each group
- Delineation of artifacts (things groups develop)
- General learning processes identified
- Timeframe specified or developed
- Publication options (motivate students)

Advantages of PBL for Common Core Instruction

- It is 21st Century Teaching. It keeps education relevant for a C2S2 generation.
- Research Supports it. It works better (improves both student motivation and student academic progress).
- As DI replaces whole group lessons, PBL replaces unit based instruction.

Research on PBL

- PBL increases motivation and students' engagement with the content.
- PBL increases academic achievement. Successful from Kindergarten – grade 12.
- Even on standardized tests students do better under PBL.
- Highlights 21st century skills: Stresses problem solving, deeper conceptual understanding, and other skills embedded within CCSS.

A Promise, A Warning, and A Prediction

- A Promise: PBL provides the best option for implementation of CCSS! It will have the positive impact we want and it is the best chance we have for CCSS implementation to actually mean something for enhancing the learning of our kids!

- A Warning: CCSS will not have the impact we want unless we change our instruction to match 21st century needs!

- A Prediction: As teachers see the emphasis on PBL, they will make that change in to teaching for the 21st century!

An Invitation

- I'd love to work with you and your school for extended PD on PBL and the Common Core….

- Including workshops, webinars with your faculty, book studies, and faculty generated PBL/CCSS implementation plans.

Contact me!

- 800-991-1114
- williamb@teachersworkshop.com
- Or contact Corwin Press for a PD proposal!

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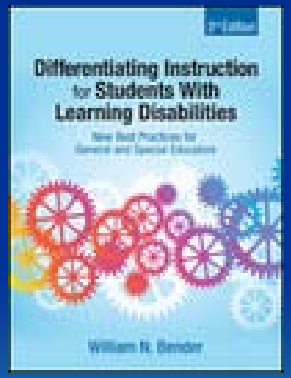

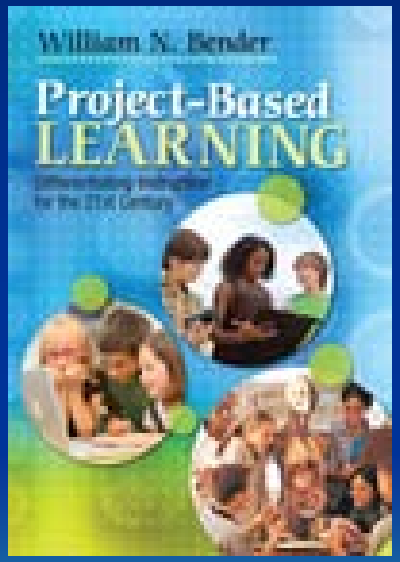

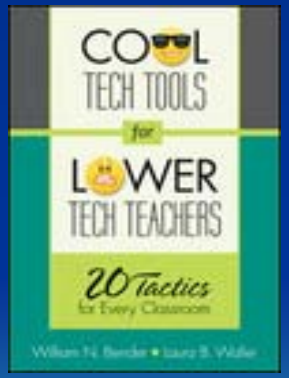

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