Memorization or understanding: are we teaching the right thing?



VE

Brd International Exhibition and Conference on Higher Education 2012 Riyadh, Saudi Arabia, 18 April 2012

How do we learn?

Think of something you are good at — something that you know you do well.

How do we learn?

Think of something you are good at — something that you know you do well.

How did you become good at this?

How we teach...



Learning spaces



Learning spaces



Learning spaces





Some people talk in their sleep.

Some people talk in their sleep.

Lecturers talk while other people are sleeping.

Albert Camus



lectures focus on information transfer...



Give students more responsibility for gathering information...

Give students more responsibility for gathering information... so we can better help them assimilate it.

Includes Class-Tested, Ready-to-Use Resources

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FRIC MALUA

A User's Manual

Main features:

- pre-class reading
- in-class: depth, not 'coverage'
- ConcepTests

ConcepTest:

- 1. Question
- 2. Thinking
 - 3. Individual answer
 - 4. Peer discussion
 - 5. Revised/Group answer
 - 6. Explanation



is it any good?

Results

tripled beauting gains tripled is it any good?

Results

Learning gains tripled Better problem solving



Traditional indicators of success misleading



Traditional indicators of success misleading

Education is no longer about information

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