

Interactive Teaching Techniques With and Without Technology

(in Any Size Class)

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Focus on Teaching and Technology Conference
University of Missouri – St. Louis
November 14, 2008

How we remember

- Reading 10%
- Hearing 20%
- Sight 30%
- Sight and hearing 50%
- Talking 70%
- Doing 90%

Spencer 1988

One minute paper

- What do student engagement and active learning mean to you?
- Easy to assign and assess
- Creates an opportunity to be considered as a person and establish a relationship

Check up on student learning

- Ask them
 - 'what did you learn?'
 - What impact does that have on you/family/world?'
- Get them to write, verbalize, think, apply
- Repeat until cured ☺

Drawing for understanding

- Students create a drawing, diagram or chart to help explain an idea, relationship, or process
- Students must then share their drawing and discuss it with a classmate

The power of the picture

- a picture speaks a thousand words
- initiates discussion
- image stays in the student's memory and creates a link to the information discussed and stored

Assessment should:

- Be tailored to the learning goals
- Establish criteria and standards
- Help students acquire skills and knowledge
- Assess student learning
- Increase student motivation
- Allow feedback so that students can learn from their mistakes
- Be used to plan future teaching methods

Assess with meaning

- Authentic testing essential
 - Memorization
 - Understanding
 - Application
 - Synthesis

Just in time teaching (Jitt)

- Prepares students to come to class
- Allows the professor to determine where the class is in their understanding of a concept
- Allows for adjustment by student and professor
- Provides a feedback loop to help students keep current

Advantages

- Found to help students develop problem solving skills and concept understanding
- Helps students be in control of their own learning process
- May promote team building and communication skills
- Reduce the mismatch between what is being taught and what students learn

How to gauge understanding

- Choral response
 - increases student participant
- Pass the chalk
 - increases responsibility
 - everyone gets involved

Assessment in class

- 3 x 5 cards
 - ask questions
 - quick feedback
 - anonymous
 - catches problem early



Real life benefits

- Better student work
- Better student attendance
- Higher student & peer evaluations
- Greater enjoyment of teaching
- Renewed energy and enthusiasm
- Contribute positively to institutional culture