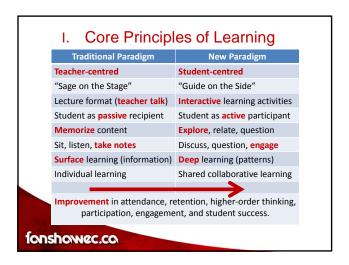






I. Core Principles of Learning















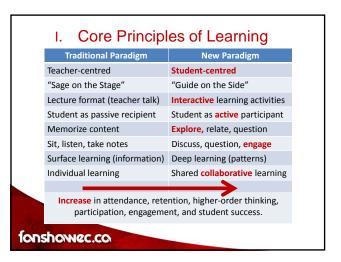








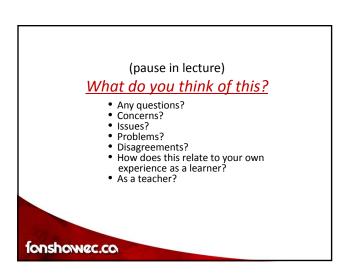




(pause in lecture)

<u>What do you think of this?</u>

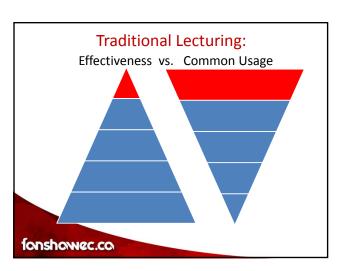
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Today's Agenda: I. Core Principles of Learning II. Effective Teaching Strategies (Rich Learning Activities)







Interactive PSE Lecture Tonshowec.co

II. Effective Teaching Strategies

The challenge is to present course material in ways that make students *do something* with the information, interact with it, manipulate the ideas, and relate them to what they already know.

Alison King

fonshowec.co

Challenging questions:

- What is being assumed here?
- Why is this important? To you?
- How does this relate to what we have previously discussed?
- How does this relate to your own experience?
- How would you apply this if . . . ?
- How can you verify this information?
- What criteria should be used to evaluate this?
- What are some challenges to implementing this?

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Challenging questions (in Pharmacology):

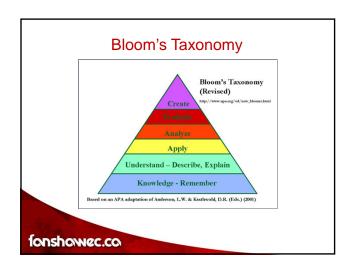
- What other physiological processes might be impacted?
- How do you balance these conflicting reactions?
- How can one drug be healthy for one person and not for another?
- Should drugs be regulated? Why or why not? By whom?
- When might the needs of the customer conflict with the goals of the pharmacist?
- · Who should determine the cost of drugs?
- Should costs be standardized or customized?
- What latitude should a pharmacist have in interpreting doctors' prescriptions?

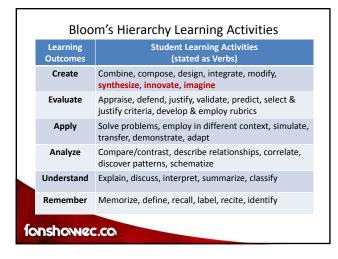
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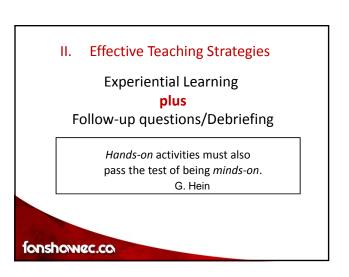
II. Effective Teaching Strategies

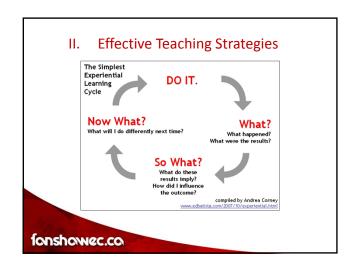
Challenging Questions:
Bloom's Taxonomy

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(pause in lecture)

Small group activity:

Based on your experiences, create a list of challenges and obstacles to implementing "interactive lectures".

Some challenges to "interactive lectures":

- not enough time; need to cover the course
- "I'm paid to deliver content; it's the students' responsibility to learn it."
- large classes; too many students to do it well
- losing control of lecture; dominant students
- lack of reward/recognition for effective teaching
- resistance from colleagues/adminstrators
- resistance from students

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(pause in lecture) Large group activity:

Based on your experiences, generate some <u>suggestions</u> /<u>solutions</u> to implementing "interactive lectures".

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Today's Agenda:

I. Core Principles of Learning

- Student-centred
- Student as active participant
- Deep learning (patterns, relationships)
- Exploring, questioning
- Engaging, interacting with content
- Relating content to previous learning
- Relating content to personal experience
- Collaborative, shared learning

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Today's Agenda:

II. Effective Teaching Strategies (Rich Learning Activities)

- Interactive lecture
- · Challenging questions
- Bloom's Taxonomy
- Experiential Learning (plus debriefing)
- Think Pair Share

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My message: shift the focus from "teaching" to "helping students learn".

Eric Mazur Dean Applied Physics, Harvard Author: Confessions of a Converted Lecturer

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Selected Resources:

Bloom, B., & Krathwohl, D. (1956). *Taxonomy of educational objectives*. NY: Longman, Green.

Fisher, R. (2011). Instructor's guide to classroom engagement. Toronto: Nelson.

King, A. (1993). From sage on the stage to guide on the side. *College Teaching, 41* (1), 30-35.

Mazur, E. (1997). *Confessions of a converted lecturer.*www.ericmazur.com

Palmer, P. (1998). *The courage to teach.* San Francisco: Jossey-Bass. Pratt, D. (2002). *Five perspectives on teaching.* Malabar, FL: Krieger.

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Thank You

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