Teaching an Old Dog New Tricks

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Bloom’s Taxonomy

- **Create** – generate new ideas or things
  - hypothesis, predict, formulate, synthesis
- **Evaluate** – to make judgments about knowledge
  - interpret, solve, justify, judge
- **Analysis** – to take information apart
  - study, separate, compare, discriminate
- **Apply** – to use information
  - put into action, report, relate, adapt
- **Understanding** – to comprehend information
  - summarize, discuss, explain, comparisons
- **Remember** – to find or recollect information
  - tell, uncover, locate, define
Education as a Process

• Addressed as a longitudinal process comprised of a system of interdependent elements in which relationships among the elements must be managed over time

• System rule
  • Define the knowledge and skills a student should be able to competently and professionally perform upon completion of his or her education
Strategic Management and Marketing

- Instructional strategy - process
  - Problem-based learning (PBL)
    - Role of the professor is to act as a facilitator of learning
    - Learner-controlled paradigm - student must take responsibility for their own learning
  - PBL essential components
    - Team skills
    - Self-directed learning skills
    - Learn new roles based on how to apply, analyze, and evaluate knowledge using real work cases
- Performance excellence
Strategic Management and Marketing

• Competence-based curriculum
  • What a student has the ability to do at certain times or under test conditions
  • Know-Can-Do:
    • student “knows what to do,"
    • “can apply it,"
    • “can do it successfully under test conditions,” and
    • “does do it” regularly
  • Does not contain an explicit developmental aspect
Miller’s Assessment Framework

- Knows (Knowledge)
- Knows How (Competence)
- Shows How (Performance)
- Does (Action)
Feedback

• Feedback is information provided by a teacher regarding aspects of one’s performance or understanding. (Hattie & Timperley, 2007)
• Feedback must address three questions:
  – Where am I going?
  – How am I going?
  – Where to next?
Feedback Promotes Student Learning in Three Ways

1. It informs learners of their progress or lack thereof
2. It advises learners regarding observed learning needs and resources available to facilitate their learning
3. It motivates learners to engage in appropriate learning activities

(Gipps, 1999, Shepard, 2000)
Faculty and Student Relationship

Teacher

Feedback

Resources

Students

Challenge

Additional “Coaches”

Resources

Students

Feedback
Link Between Assessment Techniques and Bloom’s Taxonomy

Assessment Techniques

• Team effectiveness assessment – formative feedback
• Class participation – formative feedback
• Student reflection – formative feedback
• Student feedback – formative feedback
• Grade – summative feedback

Bloom’s Taxonomy

- Remember
- Understand
- Apply
- Analyze
- Evaluate
- Create
Link Between Instructional Strategies and Bloom’s Taxonomy

Instructional Strategies

- Case Studies – team & individual – formative assessment
- Team-based project – formative feedback
- Application exercise – formative feedback
- Class participation – formative feedback

Bloom’s Taxonomy

- Remember
- Understand
- Apply
- Analyze
- Evaluate
- Create

Higher Order Thinking
Instructional Technology

• Technology will NOT make a crooked road straight
  • Learning management system – Blackboard Vista
  • Classroom response system - iClicker
  • PowerPoint slides
Alcon
Welcome! I hope that you are making good progress on your projects. This forum is designed to facilitate discussion and exchange of ideas on your project. Please feel free to post and share your thoughts with your team members, or reply to your team members’ posts.

Discussion forum etiquette is no different than classroom etiquette. To allow for orderly learning and discourse, please follow the rules of online courtesy, including refraining from use of sexist, racist, off-color, or demeaning language or behavior. In other words, please treat your classmates with respect.

Welcome! (1 Messages)

Medtronic
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Welcome! (19 Messages)

SPH Information

DSHS Grand Rounds Fall Semester Dates (0 Messages)
We made a slight adjustment to the fall semester dates. There will not be a presentation on November 24 (the Wednesday before Thanksgiving). We have extended the semester to December 8. Pre-registration is currently open for five of the six fall semester Grand Rounds presentations at the Texas Department of State Health Services (DSHS). See details below. Pre-registration is handled through the TRAIN Texas Learning Management System. You have the option of attending the live event at the... more

Uncategorized Topics

Dr. Fairchild’s Update (4 Messages / 1 New)

Reflective Paper (0 Messages)
I have posted the Reflective Paper on Blackboard. It is due on 11/17/10. Please contact me if you have any questions.
Lessons Learned

1. **Self-reflection** is essential
2. **Honest** feedback is crucial
3. **Formative** assessment and feedback is a powerful means for changing behavior
4. **Continuous improvement** is indispensable
You Can Teach an Old Dog New Tricks

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