Tune up your pedagogical questions for effective use of Classroom Response Systems

Friday May 3rd, 2013 – 2:50PM – 3:40PM

Why Question?

- Promotes
  - Active learning
  - Assessment

Learning Objectives

- Include a stem, verb and product

Formulating Questions

- Content Questions
  - Recall questions
  - Conceptual understanding questions
  - Application questions
- Process Questions
  - Student perspective questions
  - Monitoring questions

Implementation Frameworks

- Pre-test/Post-test
  - Level of knowledge before and after class
  - Can be a mix of short answer and multiple choice
  - Can be used for content or process type questions
- Technology-Enhanced Formative Assessment
  - Known as “agile teaching”
  - Question cycle
    - Pose questions to students
    - Have students work with question (can be alone, in small groups or both)
    - Use CRS to collect responses
    - Based on answers to questions, instructor decides how to proceed
      - If most answer question correctly, move on with lecture OR
      - If there appears to be a variety of response, elicit reasoning and justification from students on answers
      - Develop student discussion
    - Proceed with Lecture accordingly
- Peer Instruction Model
  - Goal - "Exploit student interaction during lectures and focus students' attention on underlying concepts" (Mazur, p.10)
  - Concept test
    - Question posed and student given time to think
    - Student record individual answers
      - if higher than 90% correct answer, proceed to next topic
Classroom Response System Definition

- “Classroom response systems are instructional technologies that allow instructors to rapidly collect and analyze student responses to questions posed during class.” (Bruff p.9)

Why use Classroom Response Systems to Question?

- Hold students accountable
- Lowers barriers between student and instructor
- Allows for anonymous response
- Capture of frequent feedback

Types of Classroom Response Systems

- Poll Everywhere – www.polleverywhere.com
  - To text response, address to 37607
- Socrative – www.socrative.com
  - To participate - m.socrative.com
    - Enter room #2511
- Mentimeter – www.mentimeter.com
  - To participate – www.vot.rs
    - Enter number on poll

Best Practices

- Pedagogy should be the focus
- Plan, plan, plan!
- Follow your CRS on Social Media

Bibliography


Contact Information

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