

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

- Student convince their neighbors
 - Instructor listening around for answer justification
- Student record revised answers
- Explanation of correct answer

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

- <http://bit.ly/10Vrdrm>

Contact Information

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