



## Mind Your MCQs: Thought-Provoking Multiple Choice Questions for Peer Teaching

Peer teaching is process by which students learn from fellow students about the subject material. Peer teaching strategies includes breaking students up into small working groups, which helps to break the monotony of a didactic lecture and provides immediate feedback regarding the students' level of comprehension. The use of multiple choice questions (MCQ) and peer teaching strategies in a Flipped Classroom benefit both student learning and instructor assessment of the mastery of course content.

### How It Works

1. Students individually consider a question from course content and select an answer.
2. In groups assigned at the beginning of class, students discuss potential questions, group selects question, and selects an answer to this question.
3. Student reconvenes into large group and as an entire class, students vote again on the proposed group questions.
4. Large group discussion follows, which is led by student explanations.

### Peer Teaching in a Flipped Classroom Session

Rationale: Having pre-assigned video lectures, students are able to active engage in the course material versus passive learning (being lectured to or at), learning at their own pace. Additionally, this strategy promotes higher order thinking skills in the classroom.

1. Record your lecture using programs like [Camtasia](#).
2. Review your PowerPoint for accuracy, maintaining a brief and concise PowerPoint.
  - a. Tip 1: Record lecture as if you are talking in front of a class by posing questions every now and then)
  - b. Tip 2: Use a pre-written script to prevent awkward pauses and promote continuity throughout lecture.

3. Upload the lecture on to Moodle, giving enough time for students to listen to lecture.
4. In-class use students' reflections on lecture to promote higher order thinking about course concepts. Also, incorporate short answer essays and MCQs and discuss these responses to promote student engagement as well as promote higher order thinking.

The literature has supported and validated the use of peer teaching to greatly impact the intellectual and moral values of the student by encouraging the student to verbally express oneself, master various concepts, manage time effectively, increase self efficacy of material and establish cooperation and collaboration with peers.

### References

- Bergmann, J. & Sams, A. (2012). Flip your classroom. Eugene, OR: ISTE.
- Goldschmid, B. and M. Goldschmid. (1976). Peer teaching in higher education: A review. *Higher Education*, 5, 9-33.
- Mazur, E. (1997). Peer instruction: A user's manual. Upper Saddle River, NJ: Prentice Hall.
- Taylor, V, P. Lawrence, J. Hurley, J. Welch, and F. Shipman. (2007). Peer teachers presentation. *Texas A&M Computer Science*. Retrieved from: [www.cs.tamu.edu](http://www.cs.tamu.edu).
- Tessier, J. (2007). Small group peer teaching in an introductory biology classroom. *Journal of College Science Teaching*, Jan/Feb 2007, 65-69
- Vasay, E.T. (2010). The effects of peer teaching in the performance of students of mathematics. *E International Scientific Research Journal*. 2(2), ISSN 2094-1749.
- Submitted in 2013 by Kristine M. Diaz, PsyD and Senthil K. Rajasekaran MD, OUWB School of Medicine