USE OF AN ONLINE SYSTEM FOR STUDENT RESPONSES IN FIRST YEAR CHEMISTRY

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KEYWORDS: student response systems, large classes, peer instruction, technology adoption, technology continuance model

ABSTRACT

Although the benefits of clickers for monitoring student understanding during lectures are well-established (Gebru, Phelps, & Wulfsberg, 2012; Lin, Liu, & Chu, 2011; MacArthur & Jones, 2008; Patry, 2009; Smith, Wood, Krauter, & Knight, 2011), their cost makes them inaccessible in many Faculties. Recently, several websites have been launched that offer academics the ability to monitor student understanding in a similar way, using any mobile internet enabled device (phone, tablet, laptop computer). We have trialed the use of one such system with first semester chemistry students and the results are reported here. There were some technical difficulties to be overcome and the importance of these should not be understated; in a time-limited setting with a very large class, a system needs to run flawlessly in every session. Student feedback was largely positive in other respects, but a significant drop in use was observed over the course of the trial and also during each lecture.

The trial was undertaken as an action learning project within the SaMnet framework (http://www.samnet.edu.au) and aimed to promote the use of student response systems among other academic staff. To this end, staff were invited to attend lectures, participate in the student response questions and provide feedback on the system. This feedback also indicated that technical ease of use and stability are critical factors to encourage uptake of the system. This and other aspects of adoption have been investigated in the United States (Emenike & Holme, 2012). In this poster, we discuss adoption and factors leading to continuance with new technology using an established model, and propose mechanisms to improve uptake.

REFERENCES


