

Learning Technologies - EDCI 718

Wild Card assignment 1

Mini grant proposal

Majd Alomar

Grant Purpose: The purpose of this grant is to obtain iClickers for a higher Education classroom. The iClickers will enhance student interaction, save valuable time during lectures, take attendance and allow the lecturer to give immediate feedback as well as change the content of lectures based on students' understanding.

Item Requested: iclicker instructor Kit. ISBN: 1-4292-0049-9. The kit includes one receiver, one USB cord, one flash drive (with software) and two instructor remotes.

Item Cost: The Item costs \$185 per kit. It is estimated to come up to a total of \$200 with taxes and shipping (This is only an estimate, however it may change based on the area and type of shipping).

Professional or Student Uses: This piece of technology will be used during lectures. Students will be asked in advance to buy the iclicker remote control which is easily found online. I will also request the local bookstore to purchase enough stock for my students.

This device will be used for taking attendance in class. It will also be used to generate discussions and quizzes during the lecture. As a result students will be able to express their opinions anonymously which removes many barriers that effect honest expression of opinions. This will allow for immediate feedback, it will also enable the lecturer to assess whether the students have understood a certain topic or not. It will also enable students to see their responses on the board (given that I have a projector in the classroom) and compare that with their peers. This will drive the

students to focus on the board and pay attention to the class.

1 Content Standard: One of the common core state standards is that it is evidence based. A study performed by Meedzan & Fisher (2009) in a Nursing Education class shows an "overwhelming positive response" to the use of iclickers in the classroom (Meedzan & Fisher, 2009). Another research conducted by D'Arcy, Eastburn & Mullally (2007) on a plant pathology class revealed that students reported that the use of the iclickers has "increased their participation in the class either some or a lot" (D'Arcy, Eastburn & Mullay, 2007). Research conducted by Lucas (2008) has also revealed the tool's effectiveness in enhancing student participation at a Calculus classroom (Lucas, 2008).

1 Student ISTE NETS performance indicator: This tool will enhance Communication and Collaboration amongst students as stated above students will be able to interact, collaborate and publish their opinions with their peers. They will also be able to communicate their opinions and ideas effectively.

1 Teacher ISTE NETS performance indicator: This tool will allow a teacher to Model Digital Age Work and Learning. This tool will give me an opportunity to demonstrate fluency in technology as well as collaborate with the students to support and facilitate their learning.

References

D'Arcy, C. J., Eastburn, D. M., & Mullally, K. (2007). Effective use of a personal response system in a general education plant pathology class. *The Plant Health Instructor*.

Lucas, A. (2007). Using peer instruction and i-clickers to enhance student participation in Calculus. *Retrieved June, 12, 2008*.

Meedzan, N., & Fisher, K. (2009). Clickers in nursing education: An active learning tool in the classroom. *Online Journal of Nursing Informatics (OJNI)*, 13(2), 1-19.