



Clickers in the classroom, or What I learned along the way

Matthew Carnes, S.J
Department of Government

Opinion: What are clickers best for?

- ▶ A. Testing reading comprehension
- ▶ B. Testing reading completion
- ▶ C. Gathering opinions from students
- ▶ D. Conducting final exams
- ▶ E. Checking how well students are understanding new material



Quiz: The evidence on clickers

- ▶ What is the minimum percentage of a student's grade that studies recommend giving to clicker points?
- ▶ A. 2 %
- ▶ B. 5 %
- ▶ C. 10 %
- ▶ D. 20 %



Question Types

- ▶ Quiz questions
- ▶ Connections
- ▶ Opinions
- ▶ Implications/Extensions



Points and how to assign them

- ▶ Pure participation vs. “graded” points
- ▶ The 10% threshold
- ▶ Student preferences
 - ▶ Quite a few questions (7-10/hour)
 - ▶ More participation than graded points
 - ▶ Clear differentiation of graded questions



Pre-lecture tasks

- ▶ Write questions into Powerpoint
- ▶ Can ask questions on the fly, but . . .
- ▶ Spread questions across lecture
- ▶ Three layers to class planning
 - ▶ Choosing content
 - ▶ Pedagogical approach
 - ▶ Adding questions every 8-12 minutes



Getting Started with students: Registering your I>clicker



iclicker



iclicker Web Registration

Have questions about clicker registration?
Contact us at support@iclicker.com or 866-209-5698

Thank you for using **iclicker**! Please complete the form below. Your professor will then be able to give you credit for using your **iclicker** in class.

First Name

Last Name

Student ID

Clicker ID



Please type in the verification word in the image

Enter

To locate your clicker ID, see the back of your remote and enter the series of numbers on the bottom of your clicker.

iclicker WEB REGISTRATION

Implications

- ▶ What do I have to take into account regarding student reactions?
 - ▶ A. Students will find a way to mess it up
 - ▶ B. Students will cheat
 - ▶ C. Students will grade-grub
 - ▶ D. This will be one more distraction to students



During lecture: Student Psychology

- ▶ Need a policy on missed classes, forgotten clickers, make-ups
- ▶ Students overvalue individual points
- ▶ Discourage cheating
- ▶ Other technology in the classroom
- ▶ What happens if
 - ▶ Student not yet registered?
 - ▶ Student changes vote during voting?
 - ▶ Other iClickers start voting?
 - ▶ You hit a wrong button?



Post-lecture tasks

- ▶ Shut-down iClicker and eject the flashdrive properly
- ▶ Set the correct answers for graded questions
- ▶ Delete any mis-handled questions



Clickers and Blackboard

- ▶ Sync clickers with web registrations
 - ▶ (early in semester)
- ▶ Upload final results into Blackboard
 - ▶ Export into Excel
 - ▶ Adjust for any excused absences, etc.
 - ▶ Delete any extraneous iClickers
 - ▶ Upload a single column into Blackboard

