

# AUDIENCE RESPONSE SYSTEMS ("CLICKERS")

## What is an Audience Response System?

Audience Response Systems drive greater student-instructor interaction and discussion in the classroom, which leads to improved productivity and results. With their personal wireless remote, each student in the classroom is equipped to respond to PowerPoint delivered questions (presented to the entire class). Student responses are immediately tabulated, charted, and displayed to the entire class and entered into a grade book. Results from these instant classroom polls and quizzes can then form the base of further classroom discussion. Active learning takes place, and better student performance is the result.



***Over 1,000 schools are using  
Audience Response Systems in 2005***

## What are the primary uses and benefits of Audience Response Systems (according to Instructors)?

- ♦ Take student attendance anytime
- ♦ Focus on the essentials: Gather information "on the spot" from every student in your classroom. This new information allows the instructor to focus on the classroom's collective understanding of course materials
- ♦ Curriculum Assessment: Deliver polls, quizzes, and tests on the fly in the classroom. Quickly identifies critical student insights such as individual student learning and retention challenges.
- ♦ Energize the classroom: Individual or student team competitions reinforce classroom content and learning objectives in an exciting, energizing way.
- ♦ Instructor Efficiency: View data gathered in the classroom from student results worksheets and/or export results into grade book software (also works with Blackboard and WebCT). Seamlessly track student attendance and overall classroom participation.

## Who are the leading "Clicker" manufacturers?

TurningTechnologies (makers of TurningPoint software)

866.746.3015

<http://www.turningtechnologies.com/highereducation.htm>

<http://turningpoint.thomsonlearningconnections.com/index.html>

Interwrite PRS

800.344.4723

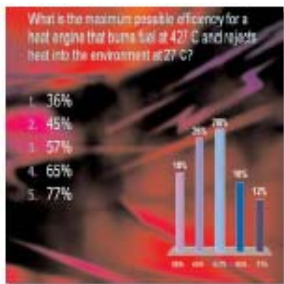
800.856.0732

<http://www.gtccalcomp.com/interwriteprs.htm>

H-ITT (Hyper-Interactive Teaching Technology)

479.582.2414

<http://www.h-itt.com>



**THOMSON**  
★

eInstruction

940.483.1901

## Does the student pay a registration fee to set up the clicker?

Some systems require a small set-up fee to register the clicker to the student and some do not. Each clicker has a unique ID number associated with it. The professor has to collect the transmitter ID numbers (printed on the back of the clicker) along with the student name. The IDs can be collected automatically in the classroom using the receiver, but the professor still has to associate the student name with the ID number.

## What are the primary benefits to students (according to students)?

- ◆ Allows students to focus on what needs to be studied for the test
- ◆ Allows students to practice for quizzes and tests
- ◆ Builds student confidence because responses can be anonymous and students can compare understanding with classmates right there instantly in the classroom.
- ◆ Students are a part of the active learning process...they feel empowered
- ◆ Students get help when they need it...if a concept is not understood by the class, it's discussed and ultimately understood so students can move onto the next concept.
- ◆ In large classrooms, students feel part of the class instead of a statistic

## Audience Response System Articles

News article about how UC Berkeley chemistry professor Mark Kubinec uses clickers to encourage student interaction.  
<http://www.ucltc.org/news/2004/03/ars.php>

Using Wireless Keypads in Lecture classes  
<http://www.replysystems.com/pdfs/benefits/24.pdf>

Using clickers in Lecture class (a study).  
<http://www.replysystems.com/pdfs/benefits/24.pdf>

Success stories using TurningPoint clicker systems.  
<http://www.turningtechnologies.com/successstories.htm>