

# Response Technology Applications

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# Common problems in General Education Courses

- Poor attendance
- Failure to read assignments (or even buy the book)
- “Sage on the Stage”

# Classroom activities for student engagement

- Good Faith Effort (GFE) Reading Quizzes
- Video Review Questions
- Discussions
- On-the-spot surveys
- Check attendance

# Improved attendance

- Prior years, ave. attendance ~60-70%
- This year, attendance >80%



# GFEs

- Prior to each new unit, students are asked to respond to 3-5 questions based on the readings. (15 total)
- Pass-fail worth 4 pt each
- Advantages
  - Encourage students to read
  - Identify misperceptions early on

# GFE example

Which are the two most common causes of foodborne illness in the US?

- A. Botulism and Staphylococcus
- B. Campylobacter and Salmonella
- C. Listeria and Anthrax
- D. Small pox and Spanish Influenza

# Video reviews

- After viewing the video students respond to 3 questions, each worth 2 pt.
- Purpose: to keep the students awake
- Another opportunity to review material

# Video review question

Describe the general approach to preventing waterborne disease.

- A. Protect the source, treat/filter water, & maintain the water distribution system
- B. Treat water with large doses of chlorine
- C. Treat water with large doses of ozone
- D. Tell all residents to boil their water





# Discussions

- At the end of a unit, students give their opinions on a series of 2-6 statements.
- In most cases, there is no “right” answer
- Opportunity to discuss complex issues
- Surrogate for participation points
- Students love them

**Do you agree? A company should pay for clean-up if it was legal to dump hazardous waste at the time?**

- A. Yes, since they probably knew it was hazardous.**
- B. Yes, they have a moral responsibility.**
- C. Yes, it would be good for public relations.**
- D. No, since it wasn't illegal at the time.**
- E. Both the Feds & the company should split the costs.**

# On-the-spot surveys

- Current issues may be easily integrated into the course
- Opportunity for quick feedback on specific approaches

## Example of an on-the-spot survey

Describe your overall feelings about the usefulness of clickers n=130

- A. I feel that they are very useful – 52%
- B. I feel that they are somewhat useful – 42%
- C. I have no opinion – 3%
- D. I feel that they are of little use – 4%
- E. I feel that they are not useful at all – 1%

# Describe your feelings about the usefulness of GFEs n=130\*

- A. I feel that they are very useful – 32%
- B. I feel that they are somewhat useful – 48%
- C. I have no opinion – 5%
- D. I feel that they are of little use – 9%
- E. I feel that they are not useful at all – 1%

\* 5% failed to enter a response

# Describe your feelings about the usefulness of video reviews n=130\*

- A. I feel that they are very useful – 37%
- B. I feel that they are somewhat useful – 46%
- C. I have no opinion – 8%
- D. I feel that they are of little use – 7%
- E. I feel that they are not useful at all – 0%

\* 3% failed to enter a response

# Describe your feelings about the usefulness of discussions n=130\*

- A. I feel that they are very useful – 46%
- B. I feel that they are somewhat useful – 41%
- C. I have no opinion – 7%
- D. I feel that they are of little use – 5%
- E. I feel that they are not useful at all – 0%

\* 2% failed to enter a response

# Limitations

- No open-ended questions
- eInstruction's complicated registration process & difficult to use software
- Hardware problems (~4% of clickers didn't work)



# Panel discussion

- Your chance to ask questions about response technology