



Welcome

Today's Host:
Greg Alexander

Your Input Counts!

- Everyone has a ResponseCard keypad.
- For each question push the button with the number or letter that corresponds with the response you wish to give.
- If you push the wrong button, that's ok, the last button you push is the response that will register.
- The ResponseCards will only work in this presentation –
- Things they will **NOT** do: change the channel on your TV; open your garage door...
- Please leave them on the table when we are finished.



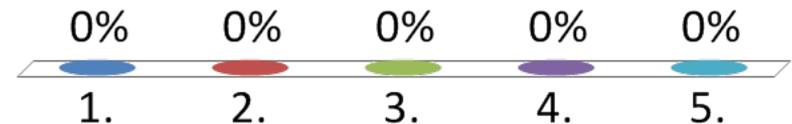
ResponseWare Log-In

Go to www.ttpoll.com on your smart phone or computer

Enter Session ID: ttech1

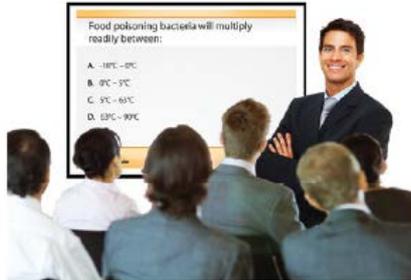
Have you used TurningPoint yet?

1. Yes, as a presenter
2. Yes, as an audience member
3. Yes, as both a presenter and audience member
4. No
5. What is TurningPoint?!!!



Interactive Polling Made Easy

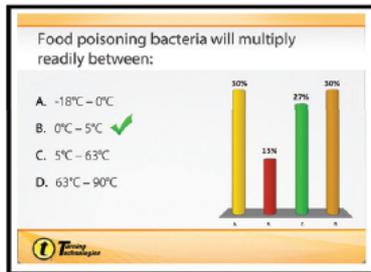
1 Ask a question during your presentation.



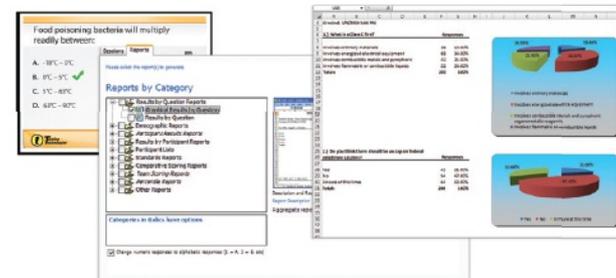
2 Participants answer with response devices.



3 Results are immediately displayed in your presentation.



4 Results are gathered in reports for further analysis.



Today's discussion is designed to cover the following topics:

- Engage audiences with two-way communication, encourage participation
- Improve comprehension and retention in training environments to improve learning outcomes
- Save time with electronic surveys and assessments
- Realize the benefits of TurningPoint for remote attendees in meetings
- Analyze responses by individual, group, demographic
- Reinforce subject material - assess knowledge and understanding in real-time and define areas needing further attention.
- Accelerate decision-making in meetings and planning sessions

1. Immediate Feedback

2. Engagement

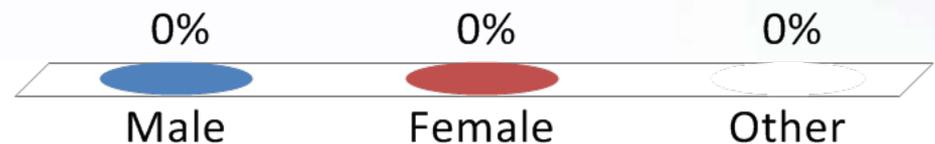
3. Peer Instruction

4. Agile Instruction

5. Game Based Learning

What is your gender?

1. Male
2. Female
3. Other



Immediate Feedback

It is suggested that active involvement in the discovery process in addition to immediate feedback promotes retention and the correction of initially inaccurate response strategies.

Epstein

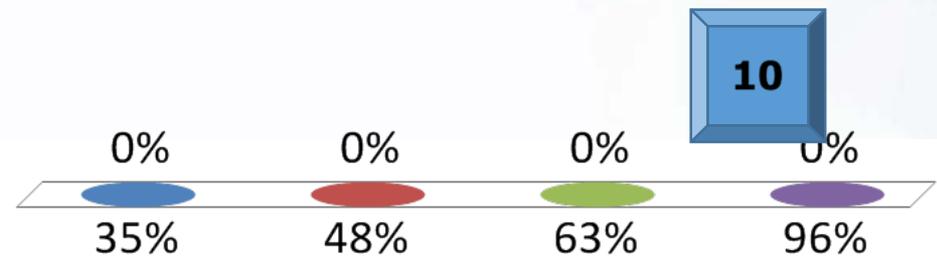
Immediate Feedback Assessment Technique promotes learning and corrects inaccurate first responses



American companies spend \$60 billion each year on training. Typically, trainees retain what % after 30 days?

- A. 35%
- ✓ B. 48%
- C. 63%
- D. 96%

Schackow, E.T., et al. (2004). [Audience Response System: Effect on Learning in Family Medical Residents.](#)



Using an interactive response system, *after 30 days* retention increased...

40%

... versus traditional lecture.



Schackow, E.T., et al. (2004). [Audience Response System: Effect on Learning in Family Medical Residents.](#)

Using an interactive response system, immediate post-training test scores increased...

35%

...versus traditional lecture.



Schackow, E.T., et al. (2004). [Audience Response System: Effect on Learning in Family Medical Residents.](#)

What is your favorite holiday?

SHORT ANSWER E

SHORT ANSWER B

SHORT ANSWER I

SHORT ANSWER G

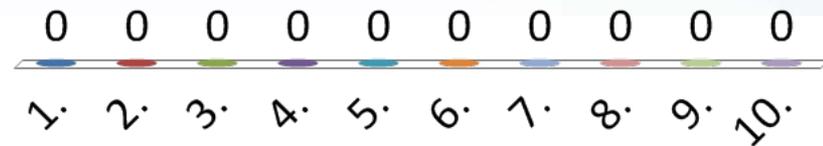
SHORT ANSWER H

SHORT ANSWER J

SHORT ANSWER C

Select the top 3 ideas for you, in order of importance.

1. Better engagement of attendees
2. Improve retention
3. Improve pass rate of assessments
4. Generate discussion
5. Gather honest opinions - even the “playing field” for attendees
6. Easy collection of evaluation information
7. Immediate confirmation of understanding
8. Electronic assessments
9. Easy reporting of results
10. Ability to be agile – give attendees what they need



Immediate Feedback - Techniques

- *Correct Answer Indicator*
- *Individual Performance*
- *Priority Ranking*
- *Comparative Link*
- *Individual Reports*



Engagement

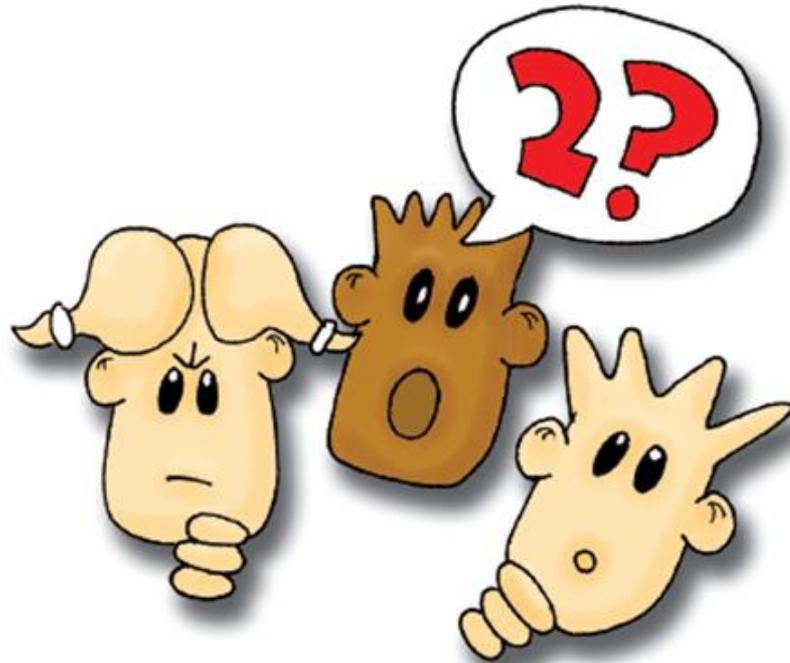
Depict students' psychological investment in learning. Also increasingly used to describe meaningful student involvement throughout the learning environment

Prensky

Digital Natives, Digital Immigrants

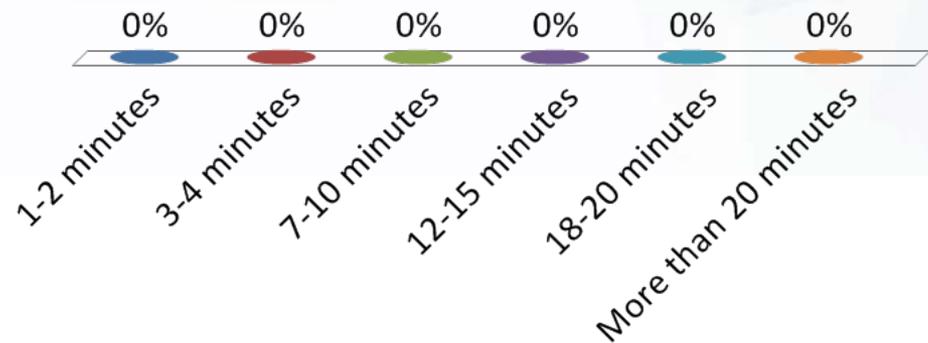


The next question is a fastest responder question!



What is the adult attention span at the *end* of a standard lecture?

- A. 1-2 minutes
- B. 3-4 minutes
- C. 7-10 minutes
- D. 12-15 minutes
- E. 18-20 minutes
- F. More than 20 minutes



The "Change-Up" in Lectures

Joan Middendorf and Alan Kalish
Teaching Resources Center
Indiana University

Published NTLF, January 2006, Vol. 5, #2

Fastest Responders

Seconds

Participant

Seconds

Participant

Participant Leaders

Points

Participant

Points

Participant

Who is the current President of Syria?

1.



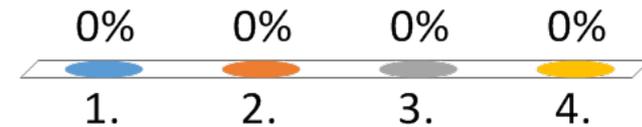
2.



3.



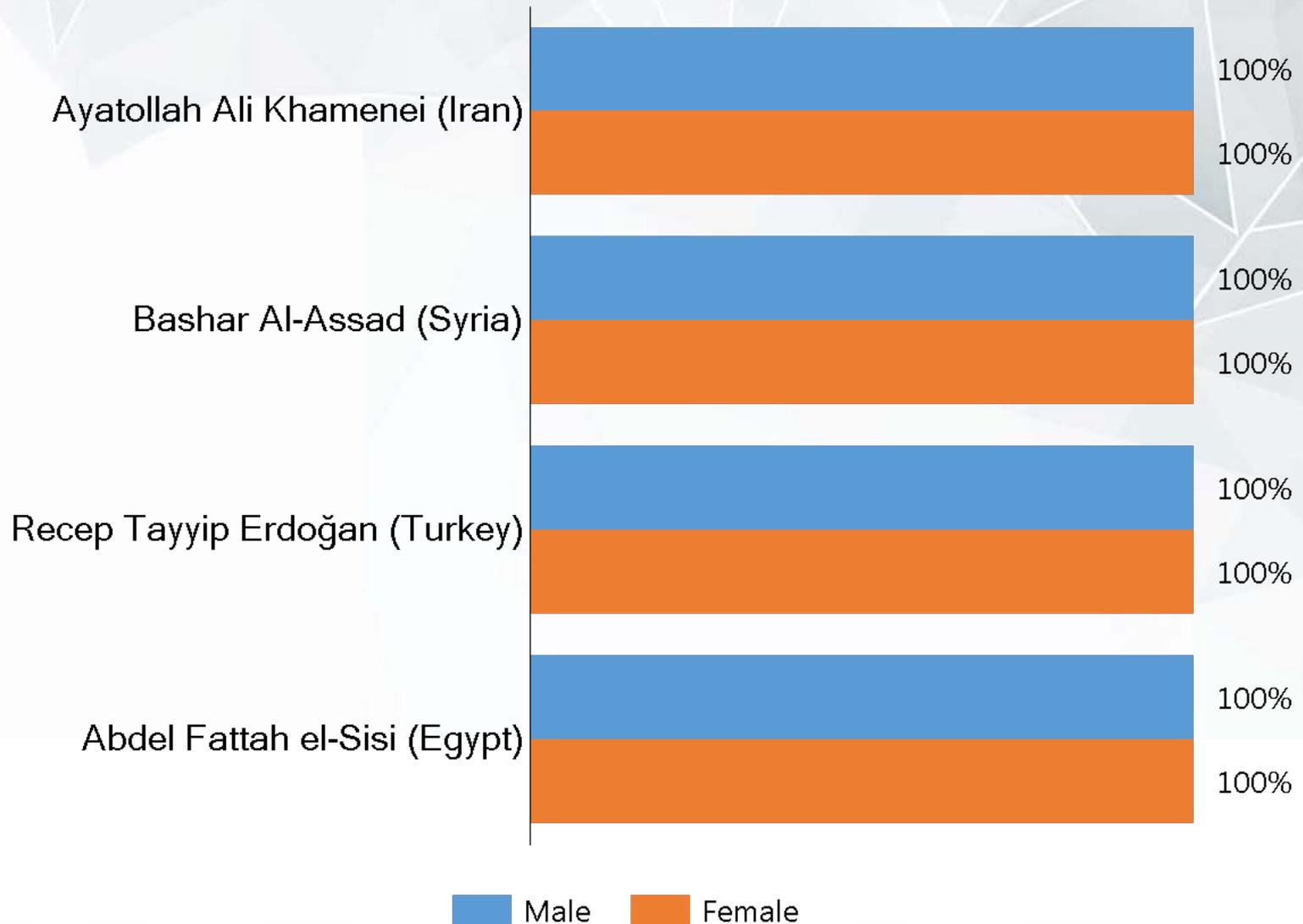
4.



They are:

1. Ayatollah Ali Khamenei (Iran)
2. Bashar Al-Assad (Syria)
3. Recep Tayyip Erdoğan (Turkey)
4. Abdel Fattah el-Sisi (Egypt)

Who is the current President of Syria?



Emotional Response of Hand-Raising

- "Postlecture...suggested that the clicker group's answers during the lecture more closely reflected how much they were actually learning, **whereas those in the hand-raising group appeared to be influenced by social conformity.**"
- "...this conformity was noticeable in the videotapes when **[participants] would hesitate to raise their hands [or flash cards] until a sufficient number of other [participants] did.**"



Stowell, J.R. & Nelson, J.M. (2007). [Benefits of Electronic Audience Response Systems on Student Participation, Learning and Emotion.](#)

A recent issue of Inspire, the Al Qaeda-published magazine, included an article titled “Car Bombs Inside America,” in which readers are shown how to build such devices and reminded that “America is our first target, followed by United Kingdom, France and other crusader countries.” Inspire is considered a key tool in Al Qaeda’s arsenal, particularly as it reaches out to those looking to commit jihad on their own without necessarily travelling to overseas terror camps.

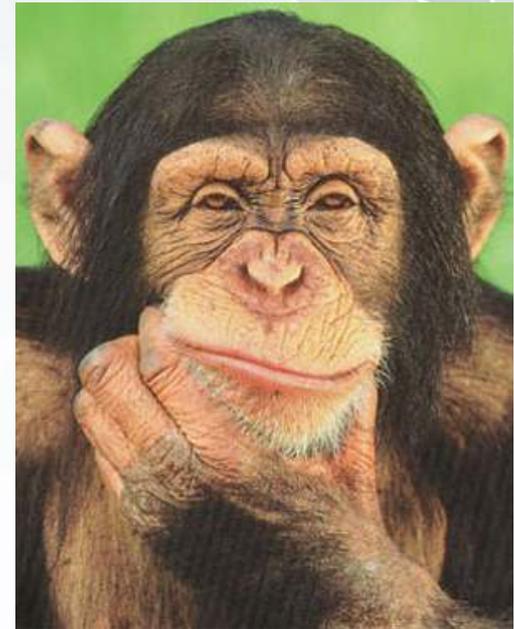
Should the magazine’s publication and distribution be allowed in the US?

0% 1. Yes

0% 2. No

Engagement - Techniques

- *Fastest Responder*
- *Games*
- *Priority Ranking*
- *Opinion/Anonymous Polling*
- *Group Comparison*
- *Self Assessment*



Peer Instruction

Forces learners to think through arguments being developed and enables them (and the instructors) to assess their understanding of concepts BEFORE they leave the room

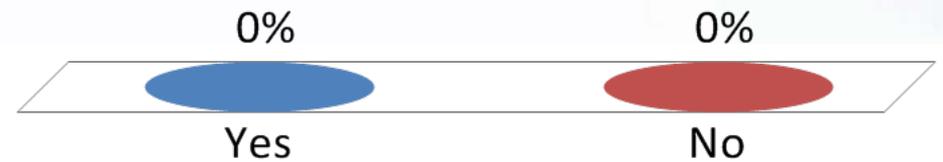


Mazur

Peer instruction: A user's manual

Will a yo-yo work in space?

1. Yes
2. No



Take two minutes to discuss your response with your neighbor.

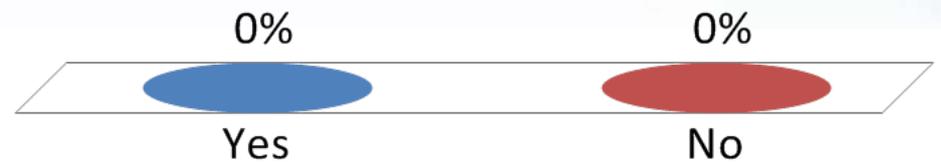


Talk with someone that gave a different answer than you.

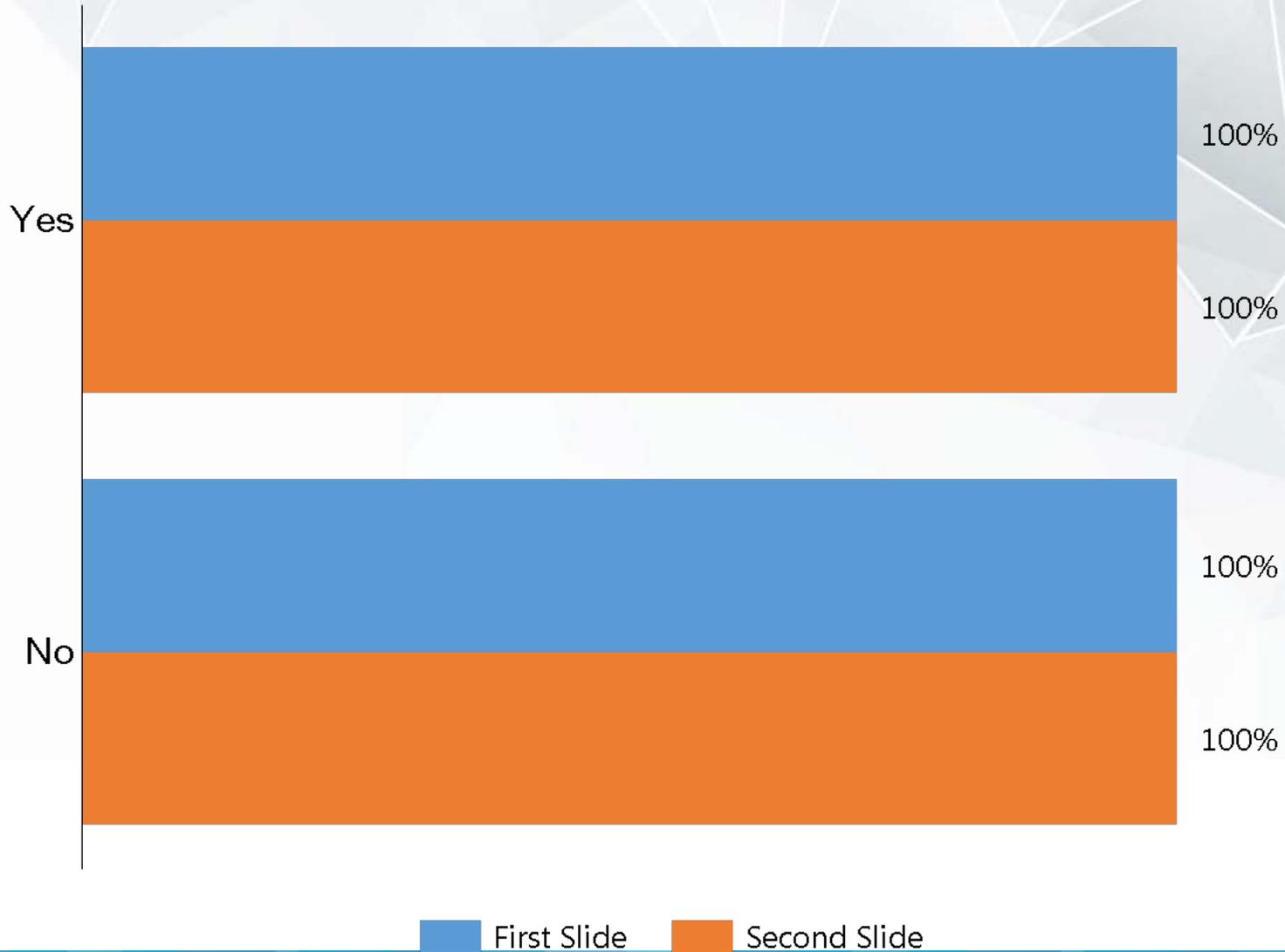
Will a yo-yo work in space?



1. Yes
2. No



Will a yo-yo work in space?



Team Scores

Points

Team

Points

Team

Participant Leaders

Points

Participant

Points

Participant

Agile Teaching

- Ability for the instructor to quickly adapt and change course pace
- Structure learning to suit the needs and abilities of the learner
- Developed by researcher Bruff
 - [Read more](#) with book *Teaching with Classroom Response Systems: Creating Active Learning*.



RECAP

3 ways to incorporate TurningPoint immediately and add value in your classes:

1. Knowledge check questions
2. Transition to new topics/Create teachable moments
3. Generate discussion

Reporting with Customizable Views

Sample Reports:

1. Results by Question
2. Demographic Comparison
3. Results by Participant
4. Comparative Results
5. Results Details

TurningPoint Dashboard

Export Print Results Detail

Session Name: New Session 6-4-2012 3-52 PM
Date Created: 6/4/2012 3:40:31 PM Active Participants: 5 of 5
Average Score: 70.00% Questions: 3

Results Detail

Device ID	Q1	Q2	Q3	Total Points	Score
Answer Key	A	B	-	2	100%
FFF0E4	A	B	G	2.00	100.00%
14076E	A	B	D	2.00	100.00%
811B1	B	B	E	1.00	50.00%
811B3	A	A	G	1.00	50.00%
811D8	A	A	F	1.00	50.00%
Participant List Averages	80	60	-	1.40	70.00%

Options

Participants

Device ID

Active Participants Only

Data

Answers
 Expand
 Total Points
 Score

Close

Help TurningPoint by Turning Technologies Preferences



Thank You

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