Partnering with Educators to Improve Learning
Lauren Kovach
Account Manager – Midwest Territory

Regional Accounts
• Missouri State University
• Missouri S&T
• North Dakota State University
• South Dakota State University
• University of Denver
• University of Northern Colorado
• University of Iowa
• University of North Dakota
• University of South Dakota
• Wichita State University

National Accounts
• Arizona State University
• University of Maryland
• Abilene Christian University
• James Madison University
• Northwestern University
• Oregon State University
• Ohio State University
• Texas State University
• Boston University
Since **Spring Semester of 2009**, what is the total number of TurningPoint clickers being used on Missouri S&T’s campus?

1. 500 +
2. 750 +
3. 1,500 +
4. 3,000 +
5. 5,000 +
**Trivia:** How many Turning Technologies clickers are being used worldwide?

1. 500,000
2. 1 million
3. 2 million
4. Between 2 to 3 million
5. Between 3 to 4 million
6. Over 4 million

![Bar chart showing the distribution of clicker usage worldwide. The chart indicates that 55% of responses fall under the 'Over 4 million' category, with 18% each for 'Between 2 to 3 million' and 'Between 3 to 4 million' categories.]
Turning Technologies
Higher education leading provider of student response.

• Founded in 2001
• World headquarters – Youngstown, OH
• Global operations in over 94 countries
• *Over 4 million ResponseCards in use*
• Dedicated direct sales force
• Higher Education, K-12, Corporate and International divisions
Support Learning Theories

**Agile Teaching**
Quickly adapt course pace as well as alter course structure to suit the needs and abilities of students.

**Assessment FOR Learning**
Use clickers during lecture to check if students are making progress toward learning objectives.

**Game-Based Learning**
Use competitive exercises to challenge students against each other and create motivation for enhanced learning.

**Peer Instruction**
Engage students through activities that require them to apply the concepts being presented. Students then explain those concepts to their peers.
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How did you enjoy lunch?

1. Pretty good
2. AWESOME!!
3. Eghh ok - don't say this..

- Pretty good: 67%
- AWESOME!!: 33%
- Eghh ok - don't say this..: 0%
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Where is Turning Technologies located?

1. Cleveland, OH
2. Youngstown, OH
3. Pittsburgh, PA
4. Kansas City, MO
5. Charlotte, NC
# Fastest Responders (in seconds)

<table>
<thead>
<tr>
<th>Time (seconds)</th>
<th>Participant ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.14</td>
<td>Participant 838F5</td>
</tr>
<tr>
<td>2.15</td>
<td>Participant 83E57</td>
</tr>
<tr>
<td>2.21</td>
<td>Participant 839C4</td>
</tr>
<tr>
<td>2.47</td>
<td>Participant 83E39</td>
</tr>
<tr>
<td>2.75</td>
<td>Participant 83E2F</td>
</tr>
</tbody>
</table>
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Hydrology Question:
When water flows through a full pipe, the water is fastest in what part of the pipe?

1. All parts flow at the same speed.
2. Top.
3. Middle.
4. Bottom.

[Bar chart showing 46% for Middle, 23% for Top and Bottom, and 8% for All parts flow at the same speed]
Peer Instruction

- Talk with your neighbor
- Try to find someone with a different answer than you
Hydrology Question:
When water flows through a full pipe, the water is fastest in what part of the pipe?

1. All parts flow at the same speed.
2. Top.
3. Middle.
4. Bottom.
Hydrology Question: When water flows through a full pipe, the water is fastest in what part of the pipe?

- All parts flow at the same speed: 23% (First Slide), 7% (Second Slide)
- Top: 8% (First Slide), 14% (Second Slide)
- Middle: 46% (First Slide), 79% (Second Slide)
- Bottom: 23% (First Slide), 0% (Second Slide)

Legend:
- First Slide
- Second Slide
Answer

*The Middle.*

The edge of a pipe has friction. The friction slows down the water in contact with it. Therefore, the middle is the fastest.
Pre and Post-Assessment

Dr. Eric Mazur, Harvard University
Prentice Hall 1997
http://www.turning-talk.com/mazur/article-intro-jun09
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Proven Results

Test scores improved by 27% when learning was integrated with response technology.
70% of students agreed they were more likely to **participate** because of the **anonymity** of clicker technology.
Proven Results

91% of students affirmed that they experienced deeper learning as a consequence of the discussions that follow clicker questions.
Proven Results

Clickers made class material more engaging (87%), motivational (63%) and enhanced learning (73%).
Proven Results

30% increase in attendance with the use of response technology.
Based on these proven results, can you think of a reason *not* to use the clickers?

1. No I can’t, how do I get started?
2. No, but want to learn more first.
3. It depends, how long will it take for me to learn how to use them?
4. Other
Leverage Clickers Throughout Campus

Orientation Programs
Use clickers to address popular concerns of students and parents, and allow them to visualize in real-time how their situation may compare to their peers.

Staff Trainings
Use clickers for pre- and post-assessments of policies to check for understanding of roles and responsibilities.

Course Evaluations
Administer course evaluations with clickers and eliminate cost, time and the hassle of paper-based surveys.

Data Collection
Use clickers to survey a group of respondents then compile and analyze stored data for research.

Faculty Meetings
Track meeting attendance and allow for prompt faculty voting processes with clickers.

Distance Learning
Connect multiple classrooms through the Internet to immediately gather and display results from all locations.
Have you ever felt like this before?
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What would you say is the general “style” of teaching for instructors on campus?

1. Present only through PowerPoint
2. Use PowerPoint, as well as other media to present
3. Prefer to lecture away from a computer
4. Avoid technology, but know colleagues who use it often
Solutions for Every Need

- Registration and Data Management
- Self-Paced Testing
- Distance Learning
- Accessibility
Support Services and Programs

- turningtalk
- Regional User Conferences
- Distinguished Educators
- Best Practice Webinars
- Implementation Programs
- Customer Support
Publisher Relationships

In order to reduce student costs, Turning Technologies will work with any textbook publisher to offer packaged content and student discounts.

Purchase Options

Bookstore Purchase Model

e-Commerce Site
  • Private URL
  • Ships directly to student

Direct Sale
Turning Technologies has changed the way I deliver content. The clickers are equally effective in both large and small classroom settings. I can instantly tell what students are hearing, regardless of what I think I may be saying.

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University of Northern Colorado
School of Sport & Exercise Science
Partnering with You

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Software

Free download on website.

www.TurningTechnologies.com