

Turning Technologies

Using TurningPoint at Washington University School of Medicine



Why Use an Audience Response System?

- To increase class participation in a lecture environment
- To get instant feedback on student comprehension of lecture materials
- To foster real-time evaluation and testing responses among students, and between students and lecturer
- To increase student engagement with the lecture materials
- To facilitate a deeper understanding of the materials

Why TurningPoint?

There are several manufacturers of Audience Response Systems specifically designed for use in the classroom.

WUSM chose TurningPoint because of:

- Ease of use (installs as a toolbar within PowerPoint)
- Accommodates both large auditoriums and small group rooms
- Size of response cards (small, portable)
- Cost (~ \$5,500 for multiple receivers and 140 response cards)

The Interactive PowerPoint



Wireless ResponseCard keypads transmit data immediately to the presentation.

- Take Surveys
- Give Opinion Polls
- Play Games
- Track Attendance
- Assess Learning Retention
- Award Participation
- Quiz or Test

Student Response System

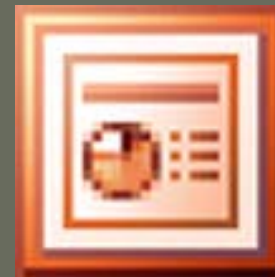
Required Hardware

- ResponseCard
- ResponseCard Receiver
- USB Serial Port



Required Software

- PowerPoint
- TurningPoint



Test Pilot Issues

Incident	Resolution
RF cross-talk between lab rooms	Create room-specific participant lists
Battery-operated device failed	Replacement of power supply
User feedback causes delays	Disable user feedback option
ResponseCard not responding	Add ResponseCard to participant list on-the-fly

Test Pilot Results

- Well received by students
- Viewed as a valued learning/teaching tool by faculty
- Adopted by student groups to engage their members outside of the normal classroom
- Creatively implemented in unconventional set-ups and presentations
- Set-up times decreased as process was streamlined

Future Plans

- Expand use to other first- and second-year courses
- Develop more advanced gaming tools to further engage students

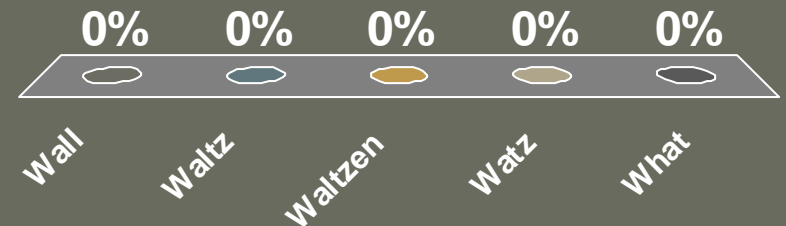
Ballroom Dancing



The Waltz gets its name from which German word?

1. Wall
2. Waltz
- ✓ 3. Waltzen
4. Watz
5. What

Waltz comes from the German *Waltzen*: to roll, turn, or to glide. It became fashionable in Vienna around 1780. Today, only its fastest form is referred to as the Viennese Waltz.



The _____ was once called the Lindy Hop?

- 0% 1. Fox Trot
- 0% 2. Merengue
- 0% 3. Rumba
- 0% 4. Swing
- 0% 5. Waltz

Swing was once called the Lindy Hop, after the aviator Charles Lindbergh who's Spirit of St. Louis aircraft was the 1st to fly a non-stop "hop" across the Atlantic. The dance, evolving with Jazz music in the late 1920's and early 30's, represents the fusion of African inspired improvisational movements with the structure of European partner dances.

In the early 19th century the Tango was danced by...

1. Men and women

2. Adults only

3. Children only

4. Men only

✓ 5. Women only

0%

The Tango, once danced by only women, originated in Bueno Aires. The Tango rose to popularity among the lower-class. Specifically in the very poor Barrio de las Ranas neighborhood, where they danced in the traditional dress: women in full skirts and men in *gachos* (flared calf-length pants) and high boots.

Men and women Adults only Children only
 Men only Women only