

# Turning Technologies Tools for Implementing Learning Theories

<https://sites.google.com/site/clickerresearch/>

Theory	Suggested TT Feature	Examples
<b>Immediate Feedback</b>	Chart Correct Answer Indicator  Participant Monitor  Individual reports	By always providing a chart and a correct answer indicator, the students and instructor are provided with both the immediate results and knowledge of the correct answer.  Use a split/dual screen to view the participant monitor only on the instructor's laptop in order to view student specific responses.  Provide students with the "Results by Participants – Answer Detail" report using the page break feature as a study guide.
<b>Engagement</b>	Fastest Responder  Priority Ranking Ranking Wizard	Conduct a warm-up by having 2-3 questions related to previous materials in combination with fastest responder slides.  Involve learners in their own learning process. Use a priority ranking slide to allow learners to identify several topics they are interested in learning more about.
<b>Spacing Effect</b>	Continue prior session  Essay Slide	Continue prior session can be used to collect the data from the various questions being spaced between class periods.  Provide learners with "think time" by either inserting a PPT slide with only the question or use the Essay slide prior to a TP Question slide.
<b>Peer Instruction</b>	Repoll  Comparative Linking Comparative Linking Reports	Use the repoll function to ask the question initially without discussion and then repoll to ask again after discussion.  Copy the question if you wish to show a comparative link between the first polling and second polling.
<b>Agile Teaching</b>	On the fly slides  Conditional Branching  Moment to Moment	On the fly questions can be inserted enabling the teacher flexible questioning.  Build conditional branching slides that will automatically move to specific slides based on the responses of the learners.  Check for understanding using the moment to moment slide having the learner rank their comprehension level.
<b>Motivation</b>	Countdown timer Response Grids  Leader Boards Gaming Slides  Point Values	Use the timer to motivate learners to answer quickly and displaying response/non response grids will motivate participation.  Leader boards throughout a session will encourage competition.  Use positive and negative point values to encourage motivation based on total points.
<b>Assessment FOR Learning</b>	TPAW – live charts  Anonymous Polling	The TurningPoint AnyWhere live chart feature can be opened and allow the students to change their answer from 1 to 10 based on their comprehension level as the teacher instructs.  Use anonymous polling to encourage students to respond without the stress of grading.

	<p>Review Only</p> <p>Comparative Linking</p>	<p>Change the chart settings to “Review Only” especially when there is a potential of a large percentage of incorrect responses during a pre-test which might lead to discouragement.</p> <p>Provide a pre and post questions within one session and display the change using the comparative linking slide.</p>
<b>Positive Reinforcement</b>	<p>Correct Answer Indicator</p> <p>Fastest Responders/Leader Boards</p> <p>Point Values</p>	<p>Use a correct answer indicator in both TurningPoint and TurningPoint AnyWhere.</p> <p>Display fastest responder and leader boards frequently to reinforce correct answer choices.</p> <p>Use all positive point values for both correct and incorrect answers (set the incorrect choices at a lower value).</p>
<b>Game Based Learning</b>	<p>Team Slides</p> <p>Fastest Responder</p> <p>Wager</p> <p>Leader Boards</p> <p>Speed Scoring</p> <p>TPAW with Digital Games</p> <p>Team Scoring Reports</p>	<p>TurningPoint allows for the use of multiple gaming slides. An instructor could simultaneously have learners competing individually and as teams. Show the leader boards frequently.</p> <p>Encourage ongoing competition by posting the team scoring reports weekly.</p>
<b>Active Learning</b>	<p>“Need help” answer choice</p> <p>On the Fly Questions/ Custom</p> <p>Text Message/Feedback</p>	<p>Add an answer option of “I do not understand” so learners will not guess and can notify the instructor that help is needed.</p> <p>Use the on the fly questions tool in TurningPoint or Custom Question in TurningPoint AnyWhere to have learners pose questions for the entire group to respond.</p> <p>XR/ResponseWare users can utilize the feedback features to notify the instructor of questions and comments.</p>
<b>Learning Styles</b>	<p>Demographic Comparison</p> <p>Data slicing</p> <p>Convert to Picture Slide</p> <p>Chart Colors- Correct/Incorrect</p> <p>Answer Now</p> <p>Video/Audio files with question slides</p>	<p>Use a demographic slide for students to identify their learning style, audio, visual, kinesthetic, and compare their performance on different questions.</p> <p>Utilize the convert to picture feature for visual learners and add audio files to the question slides when possible.</p> <p>Set the chart setting to correct and incorrect which will visually show green/red chart.</p> <p>Use the Answer Now object to visually remind learners to respond.</p> <p>Include video and audio files within TurningPoint or with TurningPoint AnyWhere to appeal to the various learning styles.</p>
<b>Socratic Questioning</b>	<p>Custom standards list</p> <p>Conditional Branching</p> <p>Continue Prior Session</p>	<p>Create a custom standard list for the difficulty level of questions. Allows reporting based on difficulty. Build on the learners growing expertise via adding questions within a lecture with increasing difficulty.</p> <p>Use conditional branching to advance through material that the learner has mastered.</p> <p>Use Continue prior sessions to progress monitor.</p>