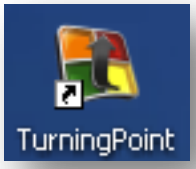
TurningPoint 5

--Big D and the TPEPS

Turning Technologies, maker of our favorite clickers, has recently updated its software programs to integrate common features and make what we have been doing in three separate software titles, TurningPoint, TurningPoint Anywhere and TurningKeys simpler to use. This manual should help you get started with the basics of using the new version.

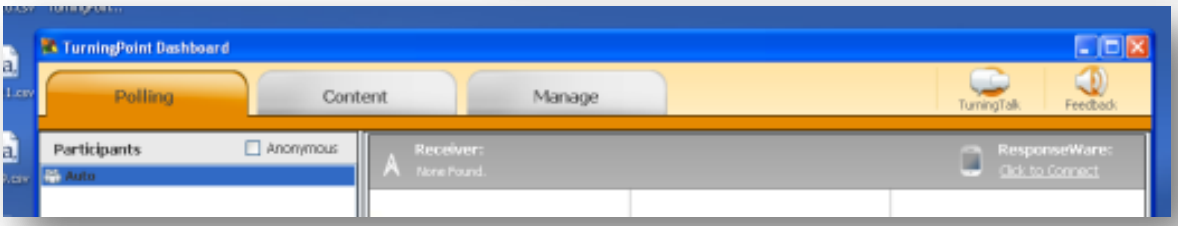
The latest versions are always available for free download at:
http://www.turningtechnologies.com/responsesystemsupport/downloads.

You are welcome to download and install the software on any computer you wish. There are both PC and Mac versions and presentations and participant lists prepared on one version are fully transferrable to the other.



Double clicking on the new "wave" icon will open the software launcher window.

"PowerPoint Polling" corresponds to the original TurningPoint software. "Anywhere Polling" replaces TurningPoint Anywhere, and "Self Paced Polling" allows users of the NXT version of the clickers to create a key for any test and have students enter their answers using a clicker as an answer sheet and have the test scored automatically.



Three tabs display across the top of the launcher window: "Polling", "Content" and "Manage." Let's take a look at the selections under each of these tabs.

By default, the “Polling” tab displays on top, as it provides access to the most commonly needed selections.

Here one can select the participant preferences, any prepared content and the polling program that will best suit the user’s needs. In addition, the gray bar displays the channel number of the current receiver.

PowerPoint Polling works as a plug-in to the Microsoft Office program and places a TurningPoint ribbon on the toolbar with which the user can add various types of question slides to new or existing PowerPoint presentations which will display a graph of the response distribution after polling.

Anywhere Polling “floats” a “showbar” on top of any content displayed on the computer and allows the user to ask an impromptu question or display a question from a prepared list, polls the clickers and displays a graph summarizing the results.

In Self Paced Polling, the user (with NXT model clickers) can prepare a key for any set of questions, have students record their answers on the clickers, grade the responses immediately and provide feedback to the student while allowing the teacher to produce a variety of grade and analysis reports.

Each polling method has its own specialized functionality, but there are some elements common to all three of the programs.

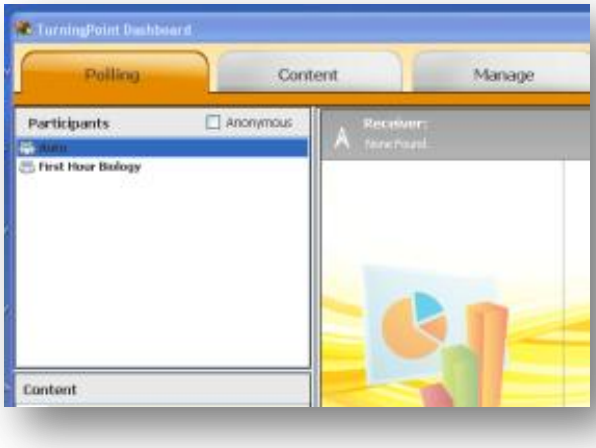
Participant Management

There are three ways of collecting the data collected during polling session:

Auto – "Auto polling" keeps track of each response and from which "clicker" device it was transmitted throughout the session. Graphs compiling the results of the polling are displayed after each poll and reports can access the responses attributed to each clicker.

Anonymous – "Anonymous polling" is just that, displaying the collective results of a poll, but not attributing the response to a specific device.

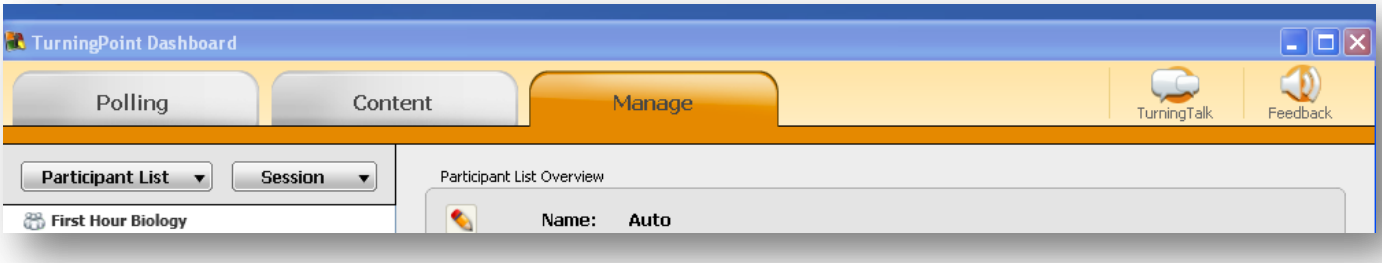
Participant List – In polling with a participant list, names are connected to a specific response device in a file containing participant names, device numbers and any other data one might use to disaggregate results (gender, grade level, etc.) in reports after the polling session.

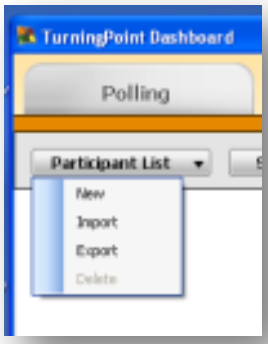


Before beginning a polling session, the method of participant management must be selected. The choice is made in the upper left window under the polling tab of the launcher before selecting the polling application. "Auto" is the default, and "Anonymous" is selected by clicking on the box in the Participants bar.

Generally, teachers will prefer to work with a participant list composed of members of their class period. This allows analysis of the polling data by class and/or student in reports from the saved session.

Prior to polling, the user should create the participant list under the "Manage" tab on the launcher.



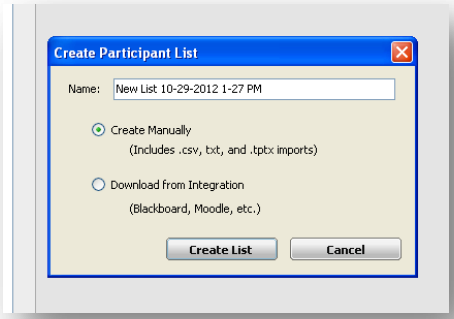


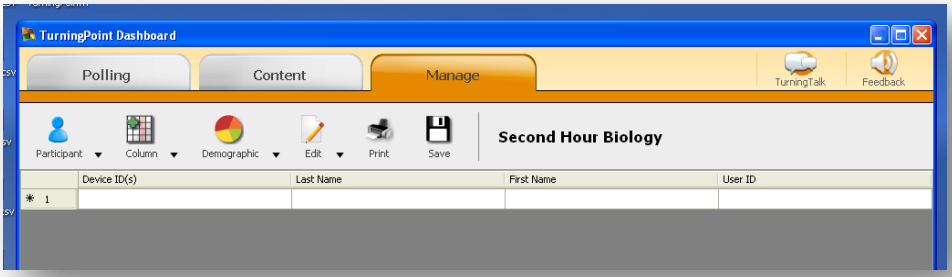
Clicking the pull-down arrow on the participant list bar displays options for the list.

If you already have a list from the legacy versions of the program or on another machine, a pre-existing list can be imported from a network or flash drive via the import command and added to the launcher in your computer.

Conversely, if you wish to transfer a pre-existing participant list to another computer, the export command will guide you through the process of saving to another device.

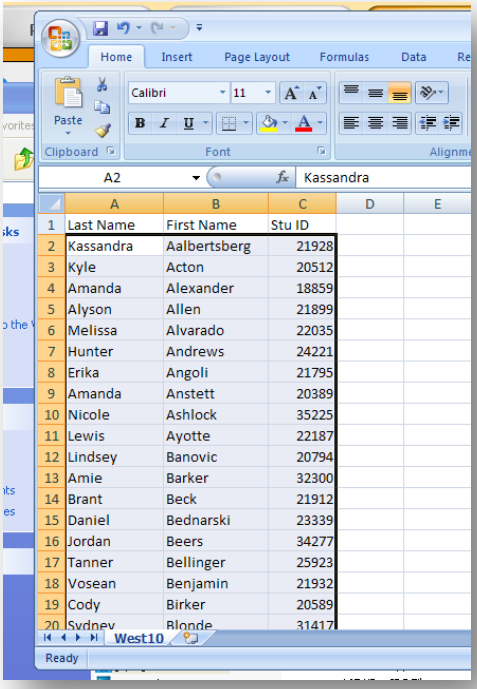
The pop-up window allows you to give your group a name and create a list “manually” or download a class list from an integration program like Blackboard or Moodle. Manual creation includes both literally typing in the information and cut/pasting the data from a spreadsheet or text file.

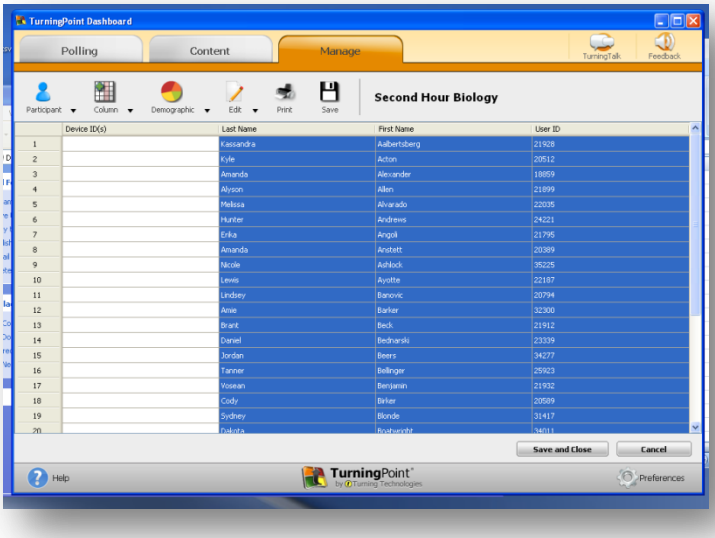




By default, columns are provided for “Device ID”, clicker number and/or serial number; “Last Name”; “First Name”, and “User ID” for student number.

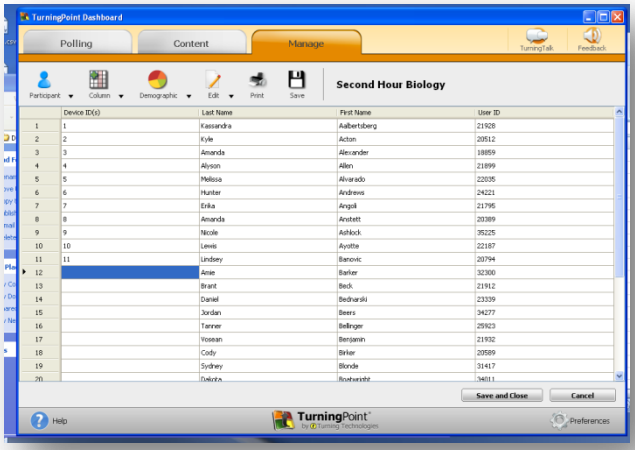
Columns and participant rows can be added or deleted using the icons in the tool bar and desired information simply typed in, but most teachers have some form of electronic list of students from which they can copy and paste. PowerTeacher allows the user to export a “Student Roster” report in CSV (comma separated values) format names, numbers and any stored demographic information. This file can be opened and used as a source for the participant information.





Pasting the copied data places each student on a separate row in the participant list with his/her ID and data.

Enter the clicker number assigned to each student from the sticker on the back of the device and save your new participant list. It will automatically be added to your list of options in the Polling tab.

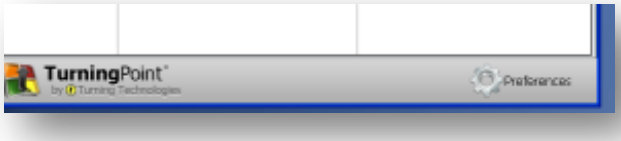


Polling programs – PowerPoint Polling

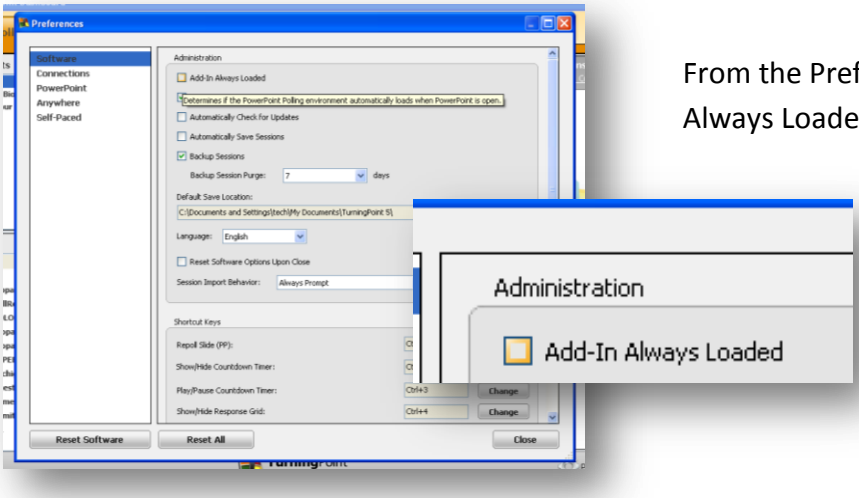
PowerPoint Polling allows you to insert a variety of question slides into a new or pre-existing PowerPoint presentation and poll within the presentation. This makes it easy to increase the level of student participation and engagement in the presentation. With NXT clickers, you can even ask more than just multiple choice questions, but our current collection of clickers does not include that model.

New or existing PowerPoint files can be opened within the launcher and will include the TurningPoint ribbon in the program itself to add and manage polling elements on slides.

For creating or preparing presentations when not polling, however, you can select to have the TurningPoint ribbon added to your PowerPoint automatically every time the program opens.

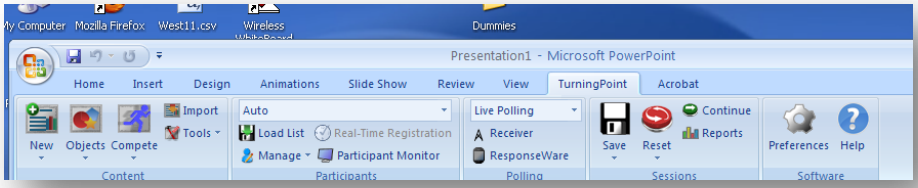


In the bottom right corner of the launcher, click on the Preferences gear icon.



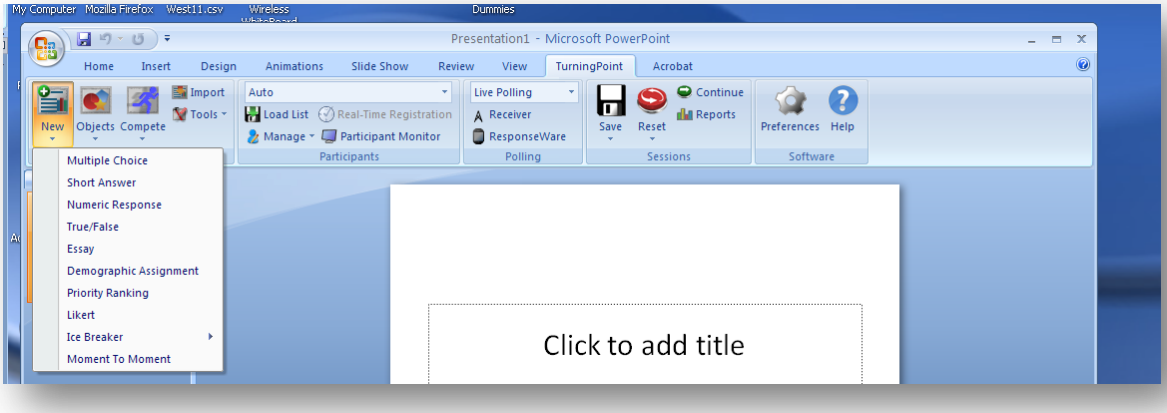
From the Preferences pop-up window, click on “Add-In Always Loaded”

From then on, the TurningPoint ribbon is just another tab on the PowerPoint 2007 toolbar.

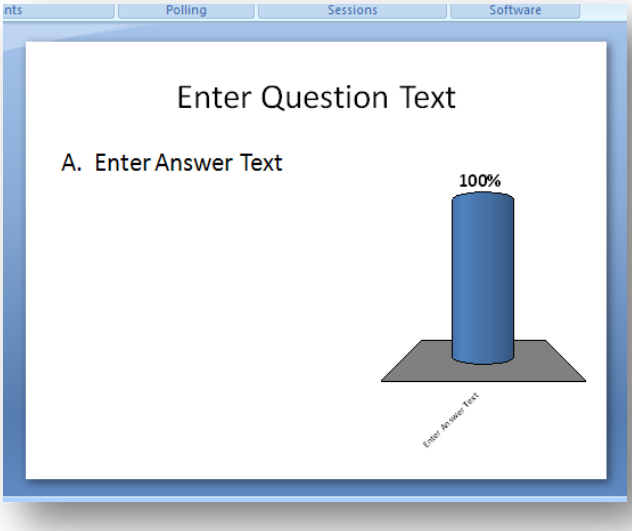


Adding Question Slides

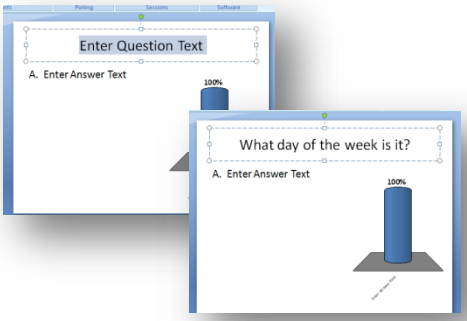
At any point in the presentation, a question slide may be added by clicking on the TurningPoint tab and the “New” icon.

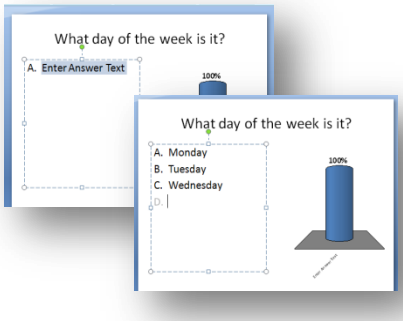


With our current clickers, we can select any of the question types except Short Answer, Numeric Response, and Essay with Multiple Choice being the most common. Choosing Multiple Choice inserts a slide like this one:



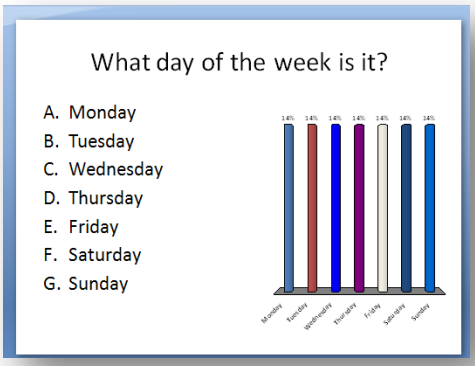
Clicking on “Enter Question Text” and typing will replace the text with your question.

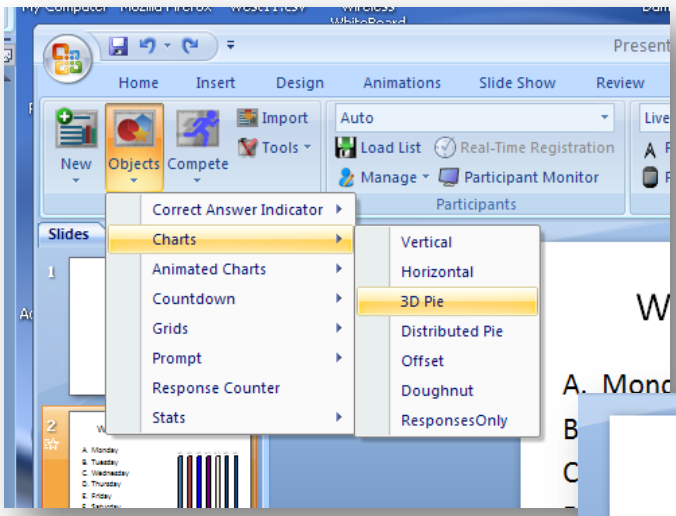




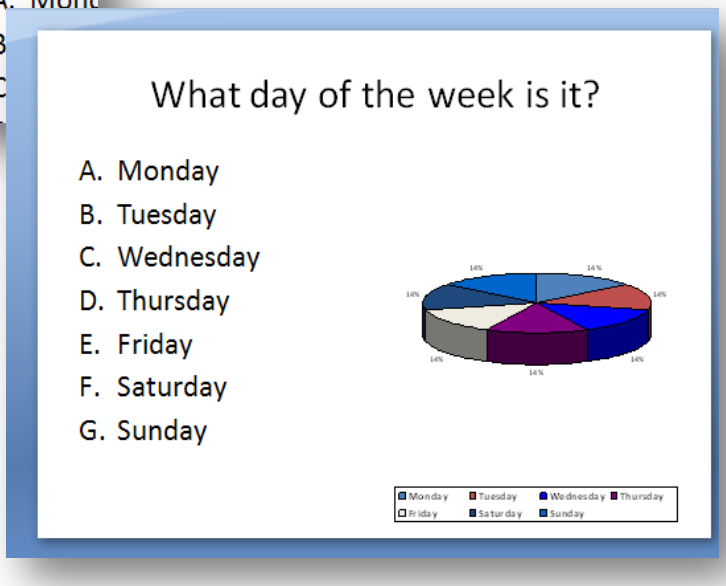
Clicking on “Enter Answer Text” and typing will replace the text with your first option for the answers. Pressing the Enter key after the option will add a letter for another answer choice. There can be up to ten options for a multiple choice question.

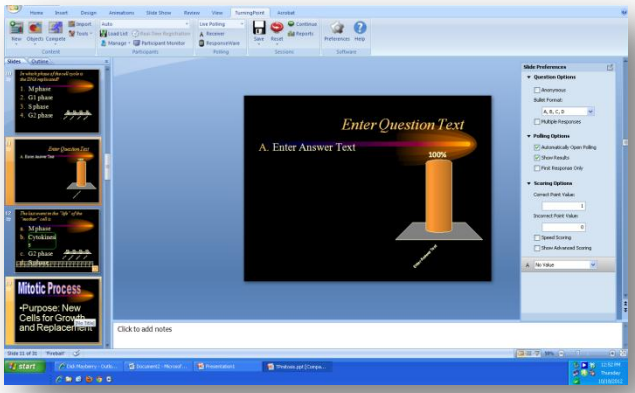
Clicking outside the options area will update the graph with columns for each of your options. The default graph type is a bar graph, but other graph types are available.





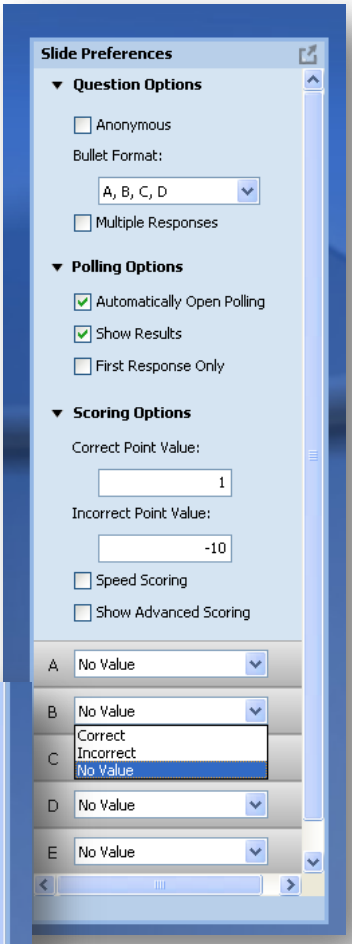
Clicking on the Objects icon in the ribbon drops down a menu with “Charts” as an option. Simply choosing a different graph type will change the graph to another graph format.



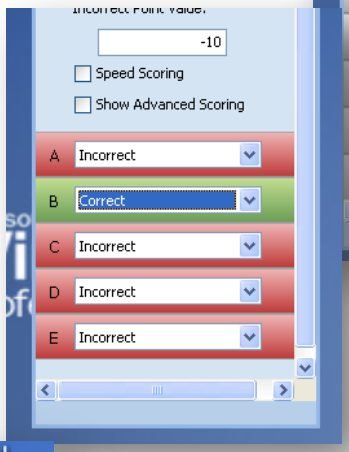


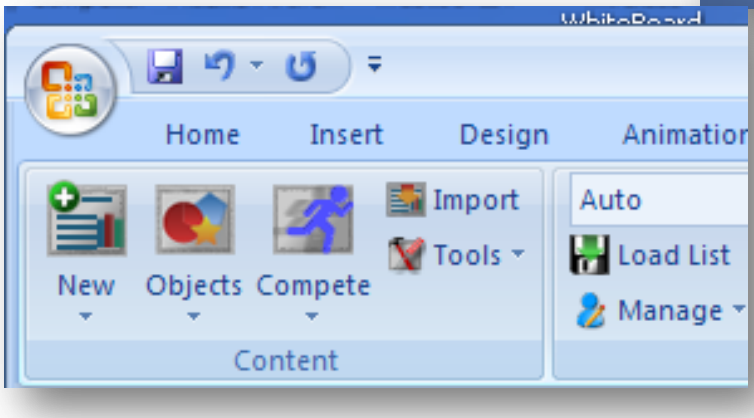
If you are adding question slides to an existing presentation, TurningPoint will automatically use the colors, themes and design elements of the rest of the slides.

While creating question slides, correct answers, scoring values and other choices can be selected from the Slide Preferences pane that pops up when inserting a new question slide. Questions can be tagged for anonymous polling or to allow multiple responses. Option bullets can be upper or lower case letters or numbers. Polling can be set to begin automatically or on a mouse click and to choose whether or not to display the results graph. Scoring can be designated for both correct and incorrect answers and will accept negative numbers for point deductions for wrong answers.



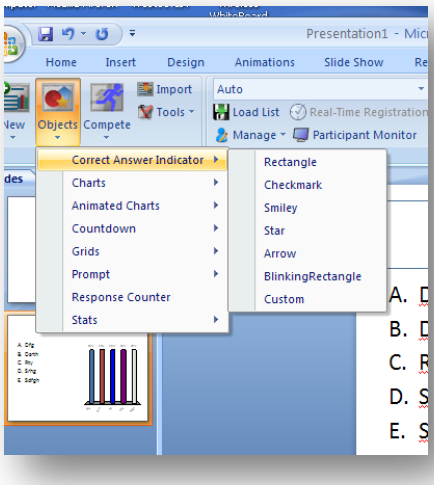
To designate the correct answer, just click on the option letter and choose the “Correct” option on the acceptable letter or letters. Other options will automatically default to “Incorrect.”

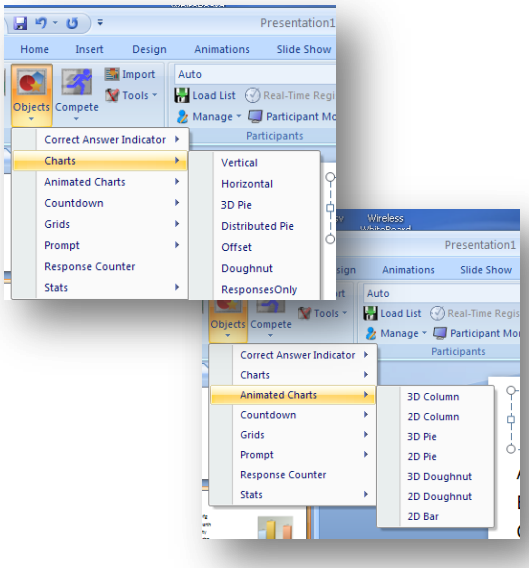




Polling slides can be further customized by inserting “Objects.”

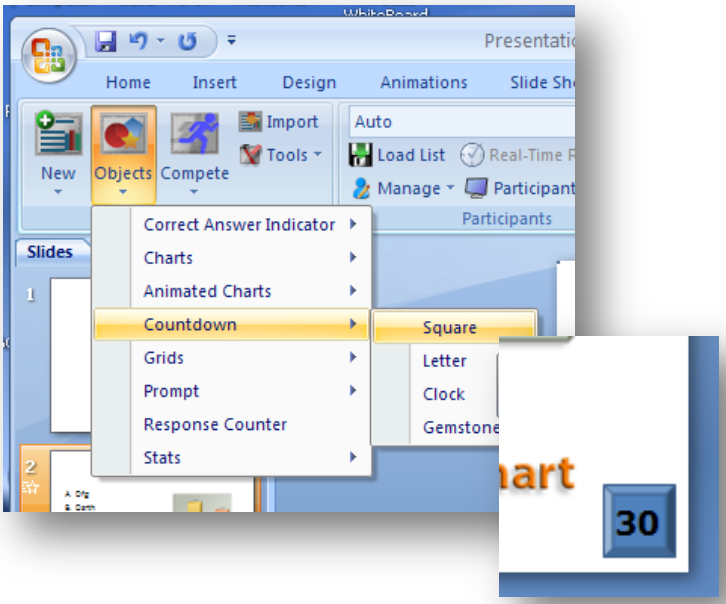
A variety of correct answer indicators can be selected to enter the slide after the results graph is displayed.

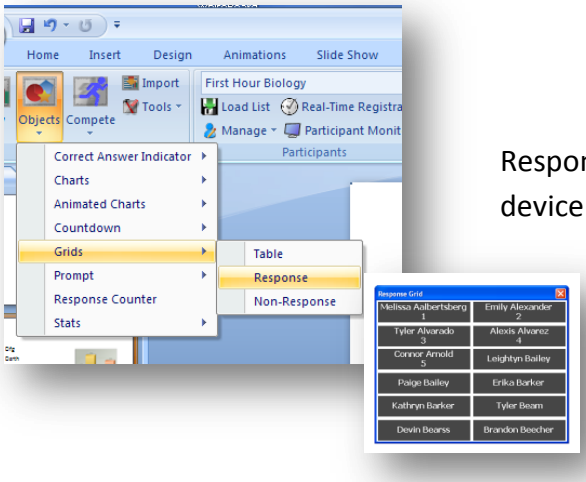




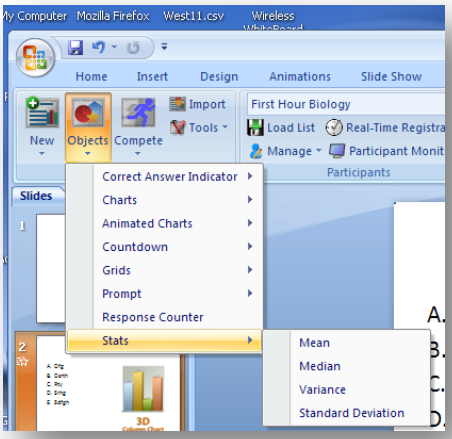
A number of 2D and 3D chart types can be used to display the polling results.

Countdown timers can limit the time allowed for polling and stop the polling automatically when completed. Durations can be adjusted for different questions.





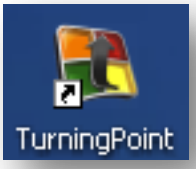
Response grids and tables can display student names or device numbers of responsive or non-responsive students while polling.



Even statistical information can be displayed on the slide to analyze polling results.

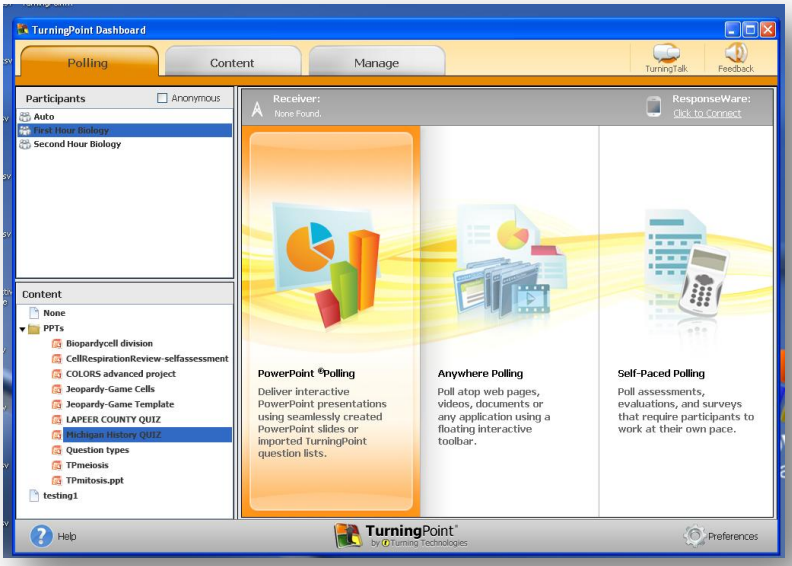
Save the completed file and you are ready for the presentation.

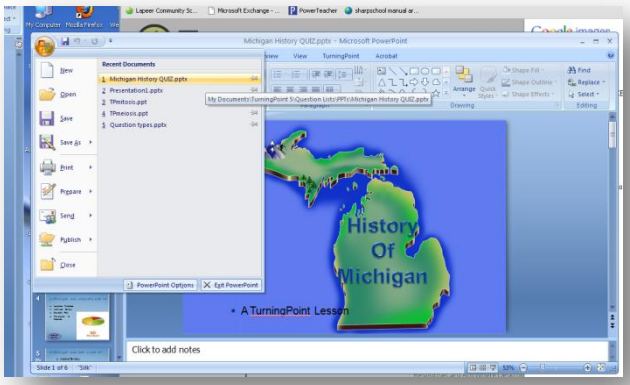
Running the Presentation



To begin the presentation, insert the RF receiver into a USB port on the computer and open TurningPoint 5 by double clicking the icon on your desktop.

Choose your participant list and click on "PowerPoint Polling" to open the program and open your presentation file.





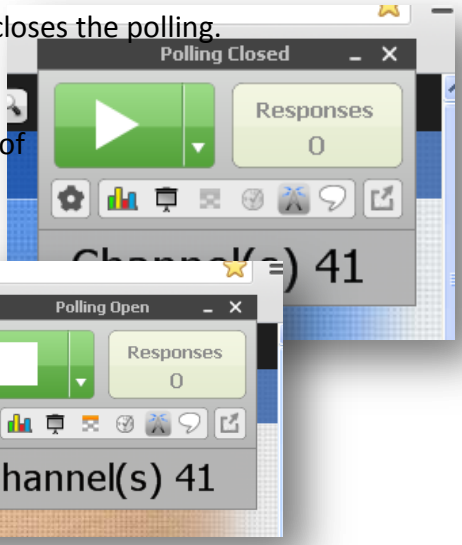
Start the slide show and collect data from the polling slides.

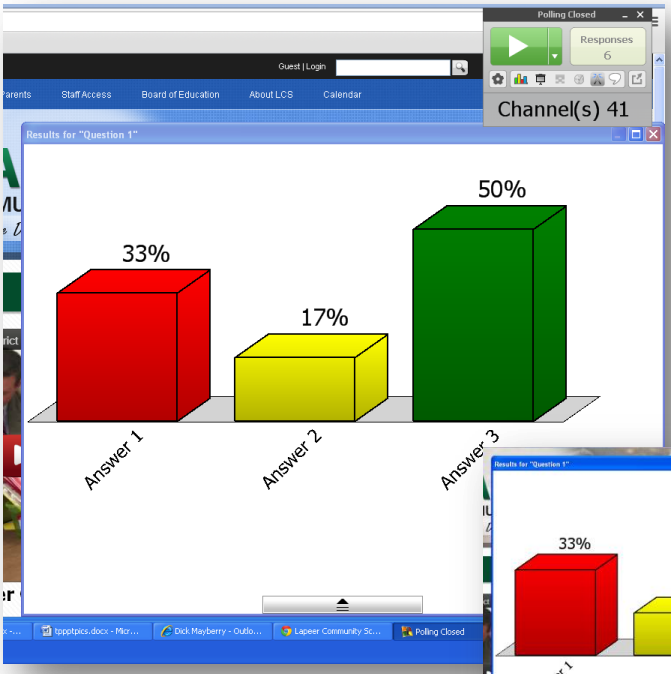
Polling programs – Anywhere Polling

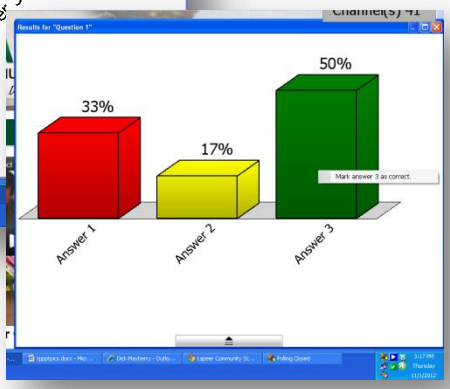
"Anywhere Polling" allows just that. A floating toolbar sits atop the website or any program currently being displayed on the computer screen. The toolbar allows the user to start or stop collecting polling data from the participants.

The triangular "play" arrow opens polling and the square "stop" button closes the polling.

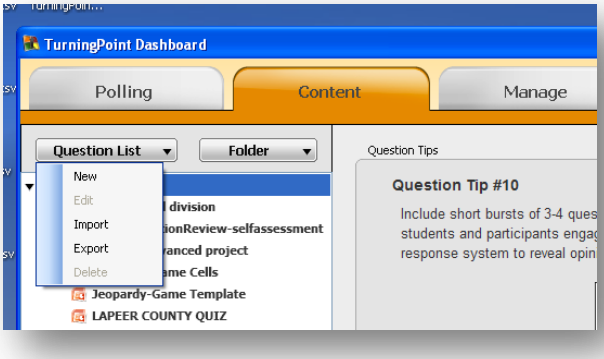
Responses from clickers on the designated channel are collected by the receiver during polling and a graph is displayed showing the distribution of the answers collected.



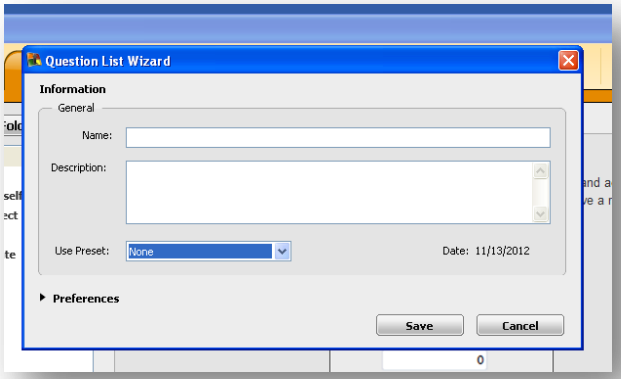




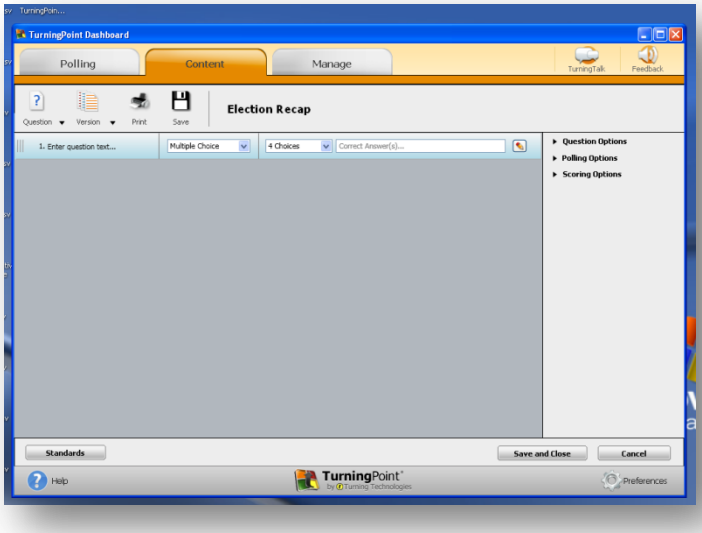
Right clicking one of the bars allows the selection of a correct answer to the question for scoring purposes.



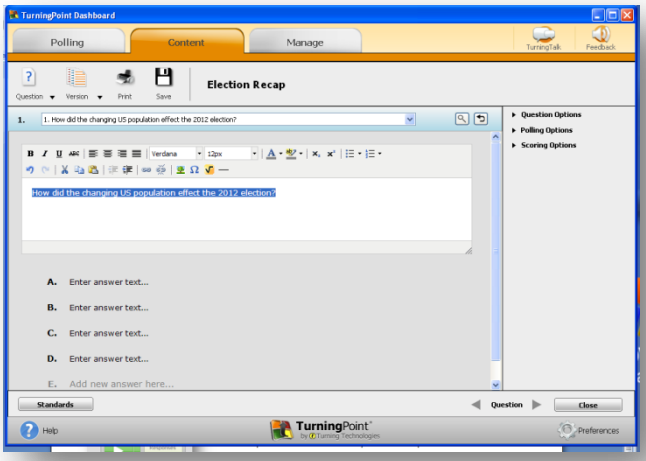
Teachers can create a “Question List” in advance with questions and options ready to pop up when they start polling. Questions can be created from the launchpad under the Content tab.



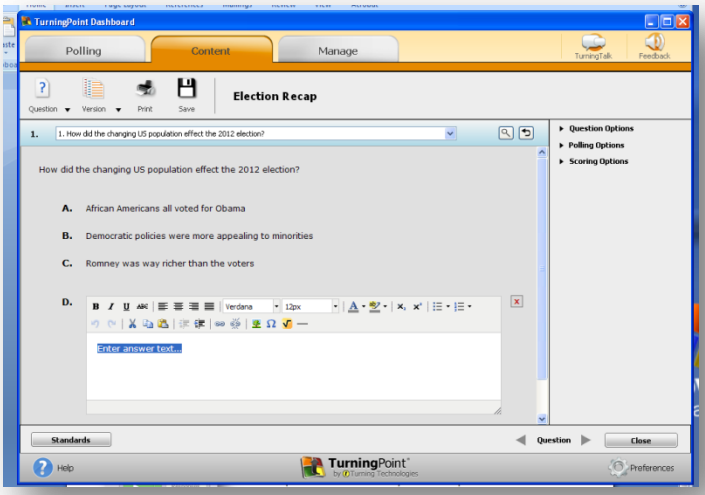
They will be prompted to enter a name for the new question set and a description, if desired.



A screen will open that allows the choice of question type, number of options and correct answer. Click on “Enter question text” to begin.

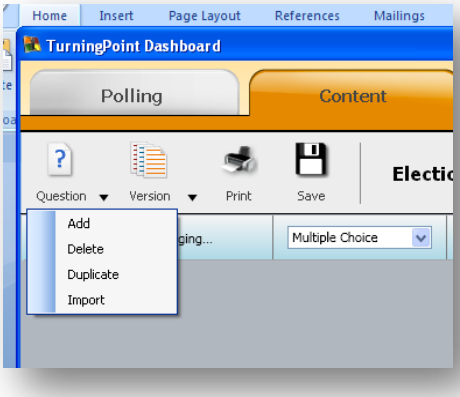


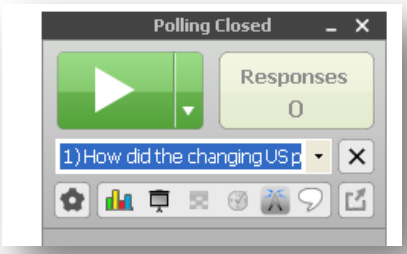
Simply type in the text of the question in the text box that opens and when finished, click on one of the “Enter answer text” items.



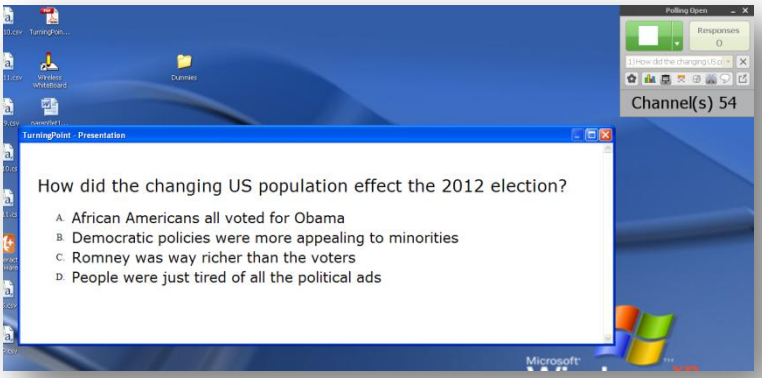
Type in a possible answer and repeat the process for the desired number of answer options.

Click the Question icon to add another question.

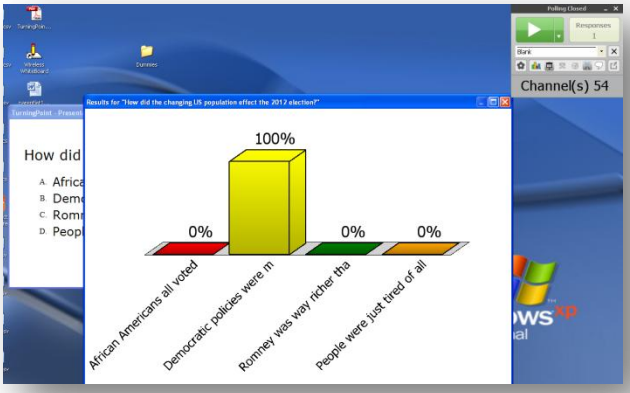




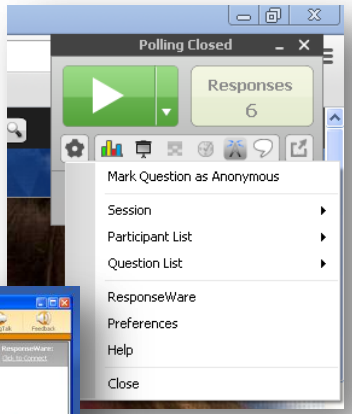
When you select a question list and launch Anywhere Polling, a cue for the next question appears under the Play button.



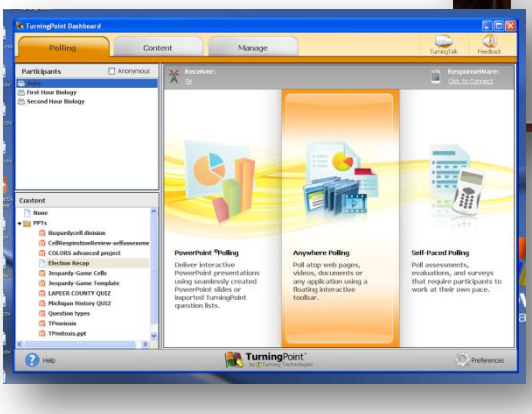
Clicking the “Play” button will display the question you created and closing polling with the “Stop” button will bring up the results graph.



Closing those pop-up windows will clear your display leaving the Anywhere polling controls floating on top ready to display the next question in your list.



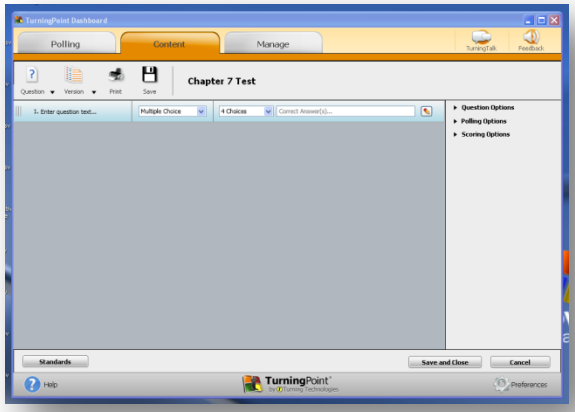
The setup “Gear” icon allows access to many of the same preference selections as the menu in the PowerPoint Polling for session and participant management and question list creation.



Closing Anywhere polling returns the user to the launchpad where access to the report functions for that session are found under the Manage tab.

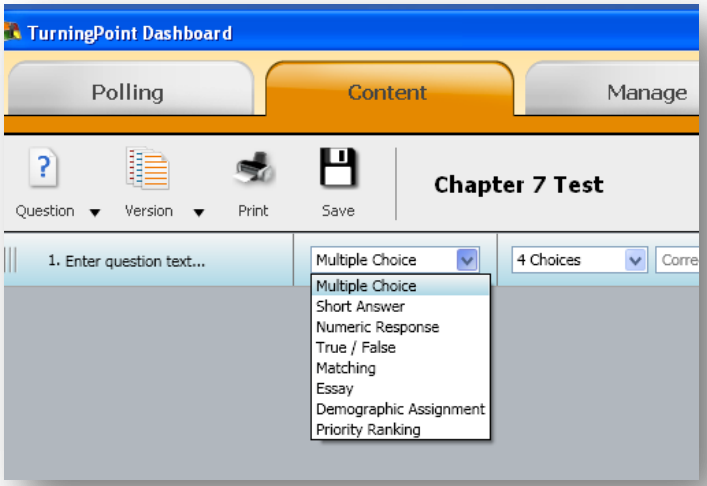
Polling programs – Self-Paced Polling

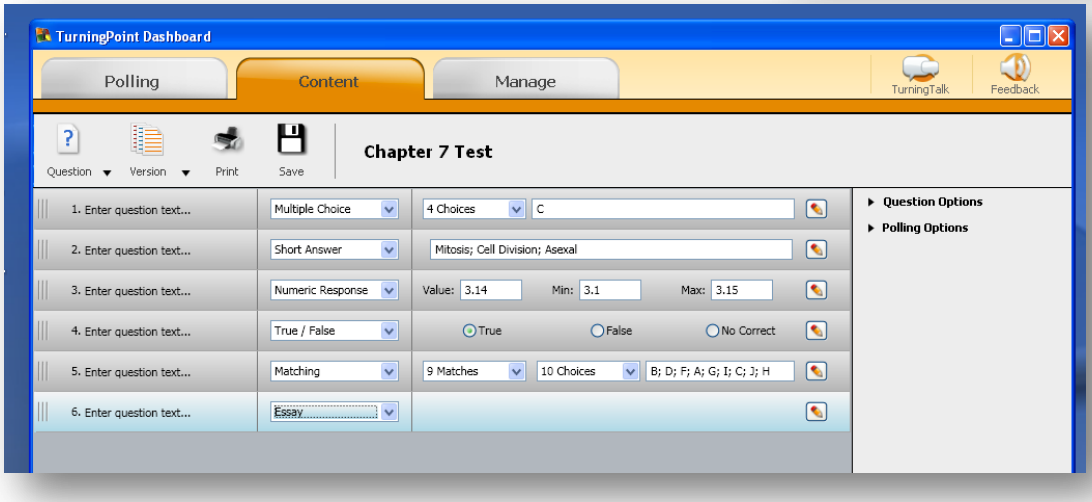
Using the NXT clickers, the Self-Paced Polling program allows teachers to enter answers to an electronic or paper version of a test to create a key against which student responses can be compared and scored. Unlike the other polling options, this program, as the name implies, allows students to work at their own pace through the entire test, poll or survey rather than have to wait for all respondents to answer before proceeding to the next question. In this era requiring multiple formative and summative assessments of student progress, a program that immediately scores a test and produces a multitude of reports formats will be much appreciated.



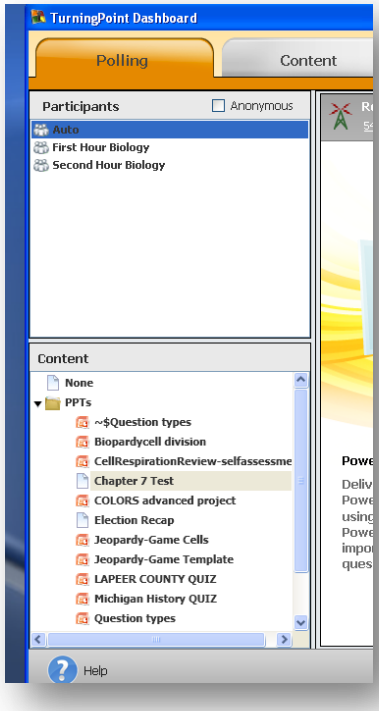
Prepare the key for your Self Paced test by creating a question list under the Content tab as discussed in Question Lists in Anywhere Polling. Since this is just a key to the test, all you need enter is the question type and the correct answers to the self paced test.

Question types include Multiple Choice (which can have up to 10 answer choices), Short Answer (which will allow you to require key terms, separated by semi colons, for correct answers that are "texted" into the clicker), Numeric Responses (for which the user defines the allowable answer or range of correct answers), True/False, Matching(with up to 10 answer choices), and Essay (which will have to be graded by hand).

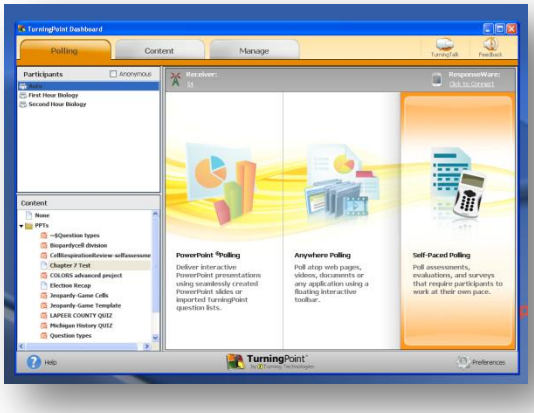




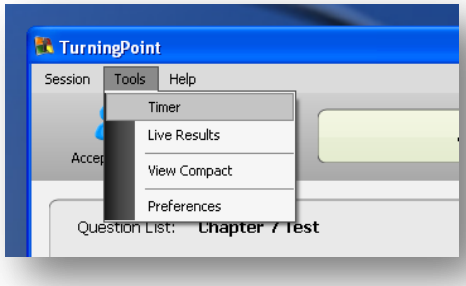
Save and close the test key and return to the Polling tab.



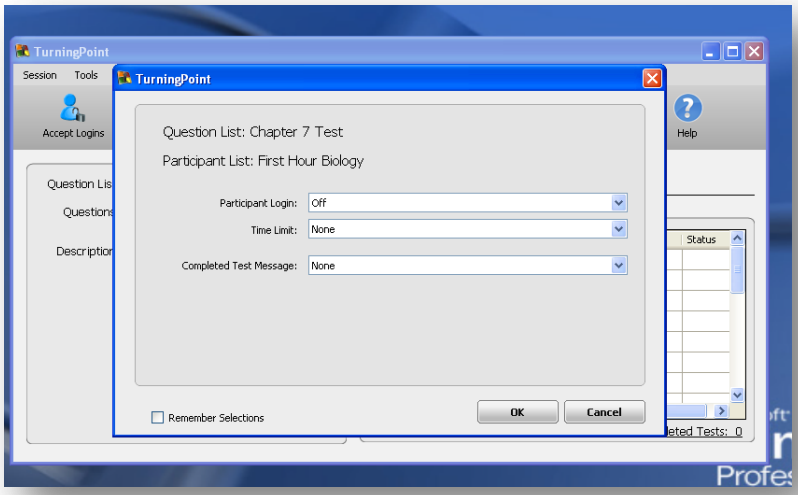
Choose the correct participant list and test from the panes on the left side of the launchpad and click on Self-Paced Polling.



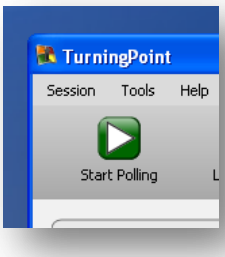
The testing window will open displaying the name of the test, number of questions and participants for the session.



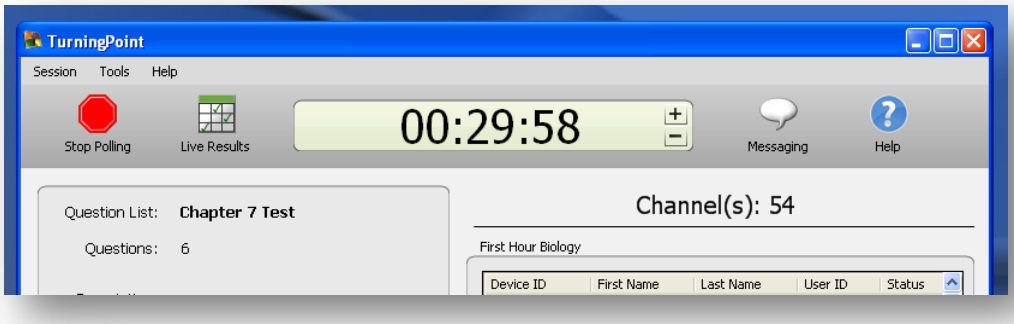
Under Tools on the menu, a timer can be set for duration or an ending time for polling.



Clicking the Accept Logins icon prepares to begin polling for the session. Clicking OK on this window changes Accept Logins to Start Polling on the toolbar.

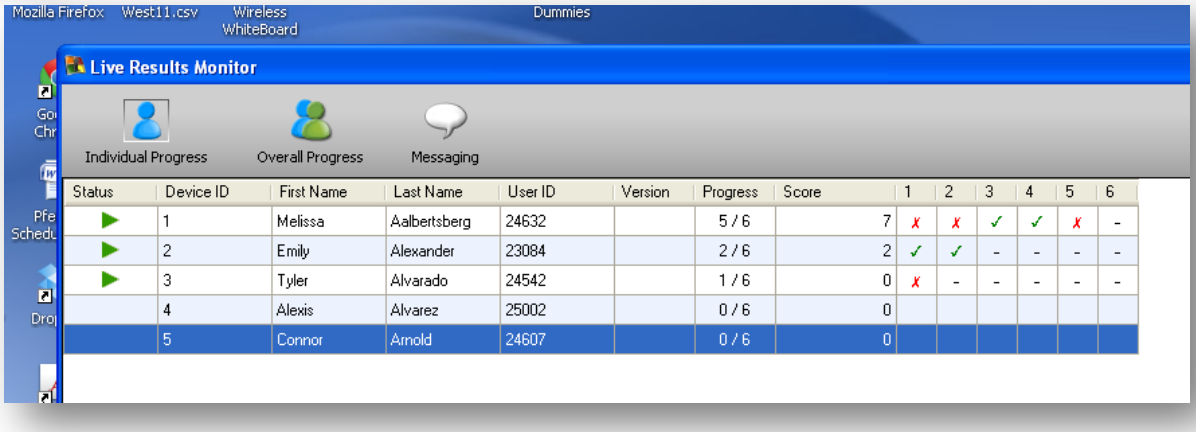


Click that icon to begin the testing session.



The start icon changes to Stop Polling and the timer will start its countdown.

While polling the test, teachers can click on the Live Results icon to observe the progress of all the students testing.

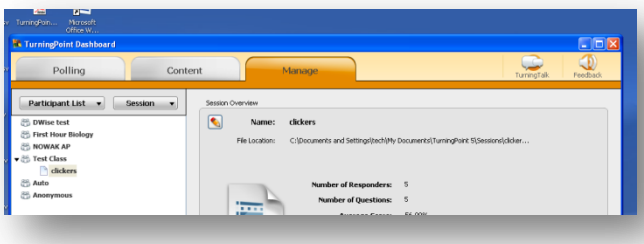


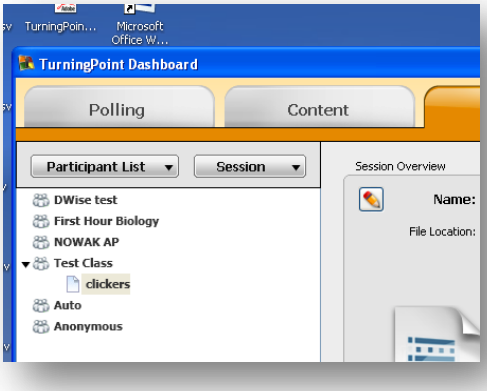
From the Live Results window, the teacher can see who has begun the test (Green arrows), individual progress on the test questions and whether they were correct on their entries. When the students finish and submit their test, their score can be sent directly to their clicker for immediate feedback.

When the polling is closed, the teacher can return to the Manage tab on the launch pad and create reports on the student responses.

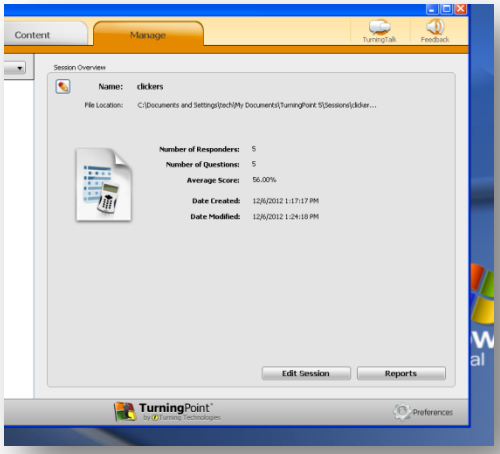
Reports after sessions

Once a session is completed and saved, a variety of reports can be produced to display grades or otherwise assess the quality of student input. Click on the Manage tab in the TurningPoint 5 Launchpad.



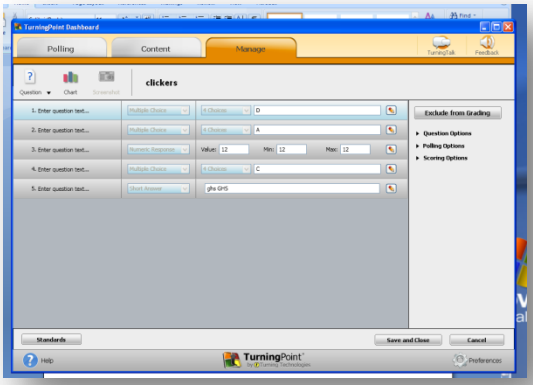


In the upper left pane, find the name of the desired session indented under the name of the participant list or class you wish to analyze.

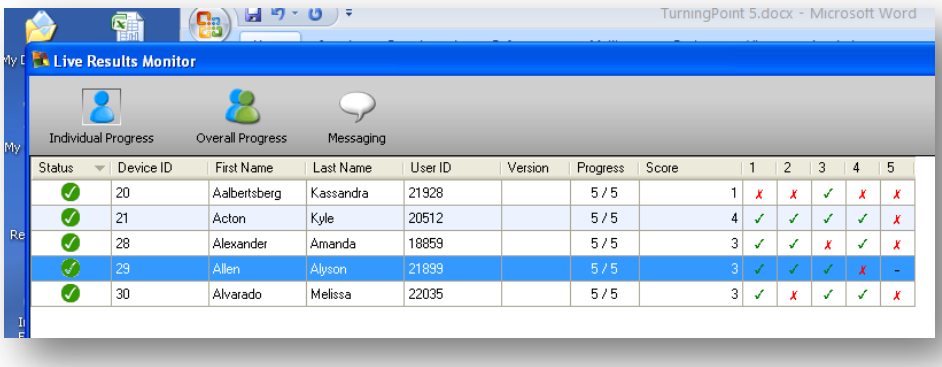


The "Session Overview" pane on the right shows the name of the session and general information about the number of responders, questions and average score along with date and time stamps for the session.

In the lower right corner of the pane, are buttons for editing the session and accessing various reports from the responses.



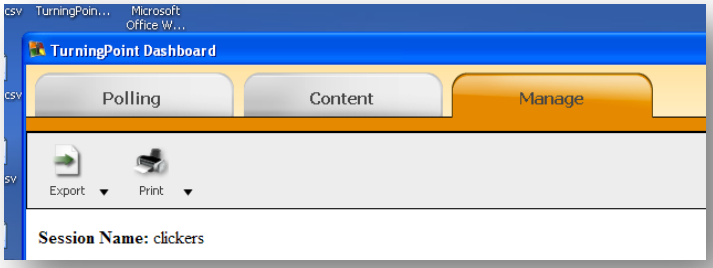
Under Editing the Session, one can change the existing key against which the responses were compared. Even after the test is closed, a change here will change the student scores.



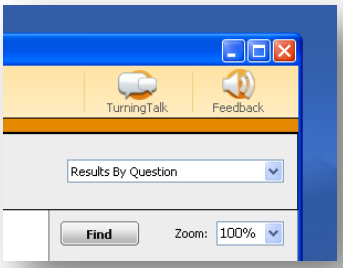
Status	Device ID	First Name	Last Name	User ID	Version	Progress	Score	1	2	3	4	5
✓	20	Aalbertsberg	Kassandra	21928		5 / 5	1	✗	✗	✓	✗	✗
✓	21	Acton	Kyle	20512		5 / 5	4	✓	✓	✓	✓	✗
✓	28	Alexander	Amanda	18859		5 / 5	3	✓	✓	✗	✓	✗
✓	29	Allen	Alyson	21899		5 / 5	3	✓	✓	✓	✗	-
✓	30	Alvarado	Melissa	22035		5 / 5	3	✓	✗	✓	✓	✗

For instance, if I noticed during the testing session that everyone was missing question 5 and became suspicious of the answer on my key, at the conclusion of the session I could review the key and change the erroneous answer. All student scores would be recalculated in relation to the edited key.

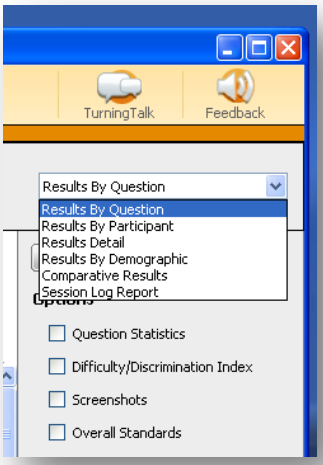
Clicking on “Reports” with the desired session in the Session Overview window opens access to a number of report formats that will provide deeper analysis of the responses.

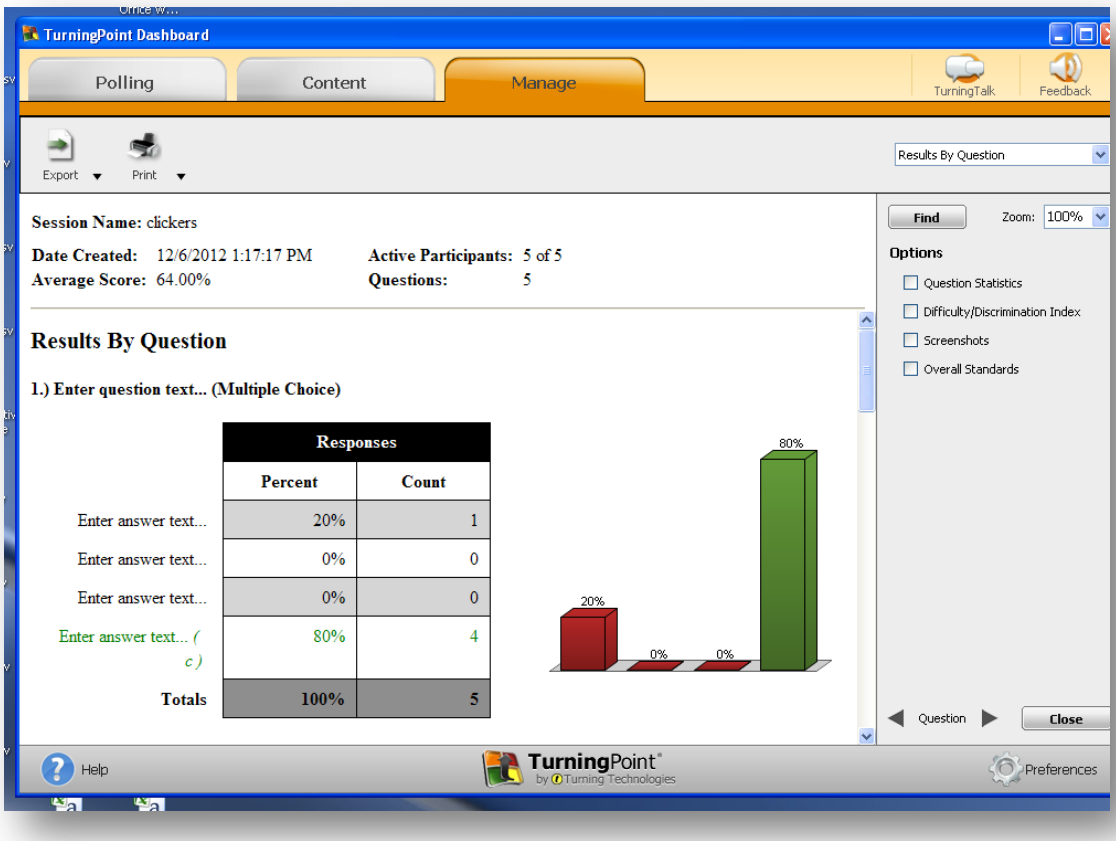


The buttons in the upper left corner allow the user to print any report or export the data as a CSV, Excel or HTML file.



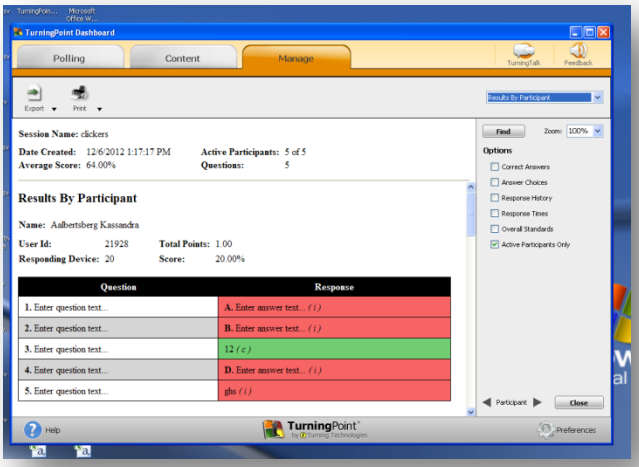
In the upper right corner is a pulldown for choosing the desired analysis format for the report. Results can be analyzed by question, participant or demographic.

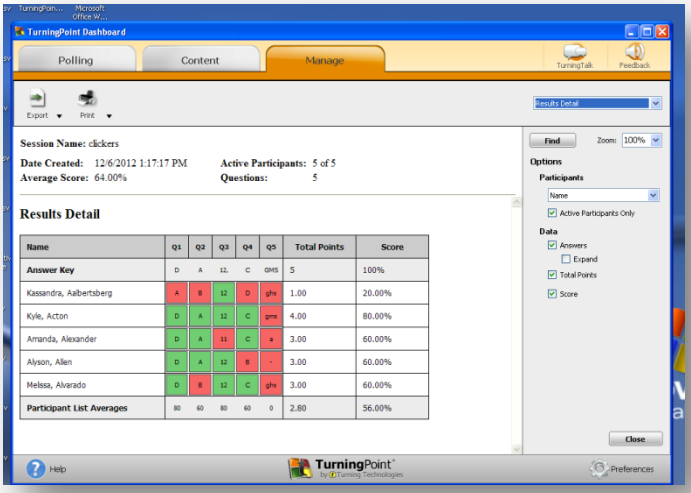




The “Results by Question” report is basically an item analysis in table and graphical form. The user can opt to append question statistics, screen shots from the testing session or any difficulty or standards tags associated with the questions.

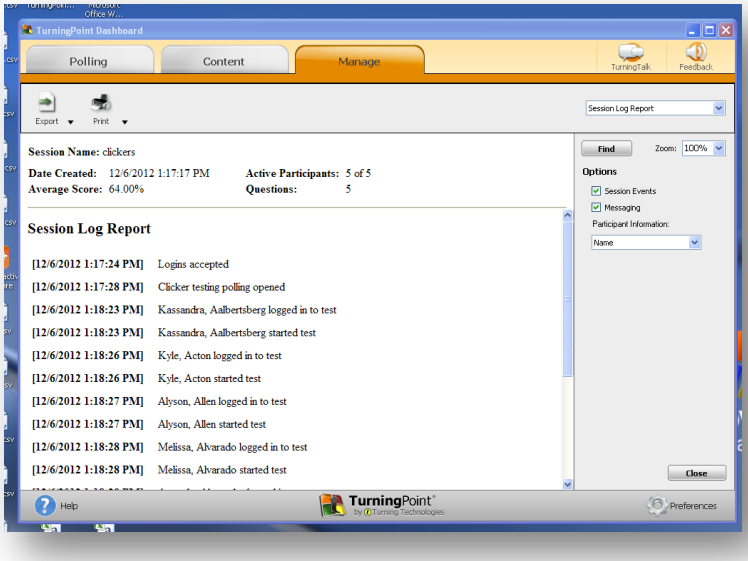
Under “Results by Participant” reports, the default is a page for each student listing their grade, identification data and responses for each question. This is great for student feedback. As with the “Results by Question” reports, optional information can be added by clicking on the check boxes on the right.





The “Results Detail” reports produce tables summarizing the responses from the session organized by participant with correct and incorrect answers indicated along with averages and scores.

If necessary, the user can produce a “Session Log” that date and time stamps when each student logged in, started the test and sent his finished test to the receiver.



By combining the three “legacy” programs and integrating many of the common features of each into one “launch pad”, Turning Technologies clickers have become even easier to use in the classroom.