

# *Tech2Learn Pre and Post Skill Survey Results*

## General Overview Questions

		<u>Aug-08</u>	<u>May-09</u>
1. Rate your knowledge of SMART Boards.	Expert	0%	9%
	Intermediate	20%	72%
	Basic	57%	19%
	Nothing At All	22%	0%
2. How often do you use a SMART Board for classroom instruction?	Everyday	11%	53%
	2-3 times per week	13%	21%
	2-3 times per month	35%	21%
	Never	41%	6%
3. How often do you consult with fellow educators regarding the use of a SMART Board?	Often	19%	36%
	Sometimes	33%	58%
	Rarely	22%	6%
	Never	26%	0%
4. How many SMART Board training sessions have you attended?	5 or more	4%	68%
	2-4 sessions	31%	32%
	Only 1 session	39%	0%
	None	26%	0%
5. Rate your awareness of high-quality resources that incorporate SMART lessons.	Extremely Aware	2%	51%
	Somewhat Aware	81%	49%
	Not Aware of Any	17%	0%
6. I have created lessons that incorporate the use of a SMART Board.	Often	11%	55%
	Sometimes	22%	30%
	Rarely	22%	15%
	Never	44%	0%

Teams of 54 teachers and administrators participated in the Tech2Learn SMART Boards professional development grant funded by the Martha Holden Jennings Foundation and administered by Ohio's Educational Technology Agencies. Participants received one full-day of training together in Columbus in August of 2008 and received five half-days of trainings and three after-school videoconferences throughout the school year. Each participant had access to a website developed by the grant and telephone and email support from their local Educational Technology Agency in addition to a directory of other grant participants across the state. Each participant completed this survey before they started the training in August of 2008. The exact survey was given again at the conclusion of the grant in May of 2009.

# Tech2Learn Pre and Post Skill Survey Results

## Professional Practices and Beliefs

Aug-08      May-09

I am comfortable using a SMART Board as part of my classroom instruction.

Strongy Agree	20%	57%
Agree	31%	42%
Neutral	11%	2%
Disagree	20%	0%
Strongly Disagree	17%	0%

I have many lessons and activities for use with SMART Boards.

Strongy Agree	9%	51%
Agree	28%	32%
Neutral	9%	4%
Disagree	24%	11%
Strongly Disagree	30%	2%

I have received support from my district to further my knowledge of SMART Board integration.

Strongy Agree	30%	58%
Agree	52%	36%
Neutral	4%	0%
Disagree	9%	4%
Strongly Disagree	6%	2%

I have the skills and knowledge to use a SMART Board for classroom instruction.

Strongy Agree	9%	57%
Agree	33%	42%
Neutral	11%	0%
Disagree	26%	0%
Strongly Disagree	20%	0%

I believe the use of SMART Boards enhances my instruction.

Strongy Agree	63%	75%
Agree	26%	23%
Neutral	7%	2%
Disagree	2%	0%
Strongly Disagree	2%	0%

I believe that the use of SMART Boards enhances student learning.

Strongy Agree	67%	91%
Agree	20%	8%
Neutral	13%	0%
Disagree	0%	0%
Strongly Disagree	0%	0%

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## Professional Practices and Beliefs

Aug-08      May-09

I am familiar with the latest research on how technology affects instruction.

Strongly Agree	17%	43%
Agree	44%	51%
Neutral	7%	4%
Disagree	19%	2%
Strongly Disagree	13%	0%

I am familiar with the latest research on how technology affects student learning.

Strongly Agree	13%	49%
Agree	48%	49%
Neutral	7%	2%
Disagree	20%	0%
Strongly Disagree	11%	0%

I am familiar with effective practices for using SMART Boards to enhance my teaching.

Strongly Agree	0%	47%
Agree	41%	53%
Neutral	7%	0%
Disagree	33%	0%
Strongly Disagree	19%	0%

I am familiar with the strategies and methods to engage students with SMART Boards.

Strongly Agree	2%	55%
Agree	41%	43%
Neutral	13%	2%
Disagree	30%	0%
Strongly Disagree	15%	0%

I am familiar with strategies to assess the effectiveness of SMART Board instruction.

Strongly Agree	0%	38%
Agree	17%	57%
Neutral	11%	4%
Disagree	57%	2%
Strongly Disagree	15%	0%

## *Tech2Learn Pre and Post Skill Survey Results*

### SMART Board General Skills Questions

<u>General SMART Board Skills</u>		<u>Extremely Proficient</u>	<u>Proficient</u>	<u>Novice</u>	<u>Clueless</u>	<u>N/A</u>
Hardware - connecting up the equipment	Aug-08	19%	20%	22%	39%	0%
	May-09	47%	38%	15%	0%	0%
Orienting the Board	Aug-08	19%	22%	28%	31%	0%
	May-09	74%	19%	8%	0%	0%
Access the Control Panel	Aug-08	15%	15%	37%	33%	0%
	May-09	62%	30%	8%	0%	0%
Access the Floating Toolbar	Aug-08	15%	13%	41%	31%	0%
	May-09	64%	26%	9%	0%	0%
Customize the Floating Toolbar	Aug-08	15%	7%	44%	33%	0%
	May-09	51%	38%	9%	2%	0%
Access the Floating Keyboard	Aug-08	11%	15%	37%	37%	0%
	May-09	62%	25%	11%	2%	0%
Change Options on the Floating Keyboard	Aug-08	4%	13%	30%	54%	0%
	May-09	43%	40%	15%	2%	0%

# Tech2Learn Pre and Post Skill Survey Results

<b>SMART Notebook Software Basic Skills</b>		<b>Extremely Proficient</b>	<b>Proficient</b>	<b>Novice</b>	<b>Clueless</b>	<b>N/A</b>
Know how to check the version of SMART Notebook software	Aug-08	9%	9%	33%	48%	0%
	May-09	53%	36%	11%	0%	0%
Familiar with the SMART Notebook menus	Aug-08	4%	17%	39%	41%	0%
	May-09	58%	26%	15%	0%	0%
Able to open the Welcome Center	Aug-08	7%	13%	35%	44%	0%
	May-09	60%	23%	17%	0%	0%
Familiar with the SMART Notebook toolbar icons	Aug-08	7%	11%	41%	41%	0%
	May-09	64%	25%	11%	0%	0%
Know how to open the Control Panel	Aug-08	13%	11%	24%	52%	0%
	May-09	62%	25%	13%	0%	0%
Utilize the Page Sorter on the SMART Notebook	Aug-08	9%	9%	20%	61%	0%
	May-09	53%	26%	21%	0%	0%
Create and edit Groups in Page Sorter view	Aug-08	4%	11%	30%	56%	0%
	May-09	49%	30%	17%	4%	0%
Know multiple ways to open a new page	Aug-08	2%	15%	33%	50%	0%
	May-09	57%	28%	13%	2%	0%
Know 'erase area' tip	Aug-08	6%	17%	31%	46%	0%
	May-09	60%	32%	6%	2%	0%
Selecting Objects	Aug-08	11%	15%	37%	37%	0%
	May-09	64%	26%	9%	0%	0%
Move, resize, rotate, and flip objects	Aug-08	13%	13%	37%	37%	0%
	May-09	66%	26%	8%	0%	0%
Manipulate text: color, font, size	Aug-08	13%	17%	30%	41%	0%
	May-09	62%	30%	8%	0%	0%

<b>SMART Notebook Software Basic Skills</b>		<b>Extremely Proficient</b>	<b>Proficient</b>	<b>Novice</b>	<b>Clueless</b>	<b>N/A</b>
Convert handwriting to text	Aug-08	9%	11%	30%	50%	0%
	May-09	51%	28%	17%	4%	0%
Check and correct spelling on text objects	Aug-08	6%	15%	31%	48%	0%
	May-09	55%	28%	13%	4%	0%
Know the limitations of graphics versus txt objects	Aug-08	4%	15%	30%	52%	0%
	May-09	47%	34%	17%	2%	0%
Create shapes, lines, boxes, etc.	Aug-08	9%	13%	43%	35%	0%
	May-09	57%	23%	21%	0%	0%
Alter shapes: size, properties, captions, editing	Aug-08	9%	4%	37%	50%	0%
	May-09	55%	25%	19%	2%	0%
Utilize cloning and infinite cloning features	Aug-08	6%	13%	35%	46%	0%
	May-09	58%	25%	15%	2%	0%
Utilize cut, copy, paste, and delete features	Aug-08	9%	17%	28%	46%	0%
	May-09	68%	19%	13%	0%	0%
Add background color to a page	Aug-08	6%	15%	28%	52%	0%
	May-09	57%	26%	17%	0%	0%
Locate and use Gallery images, backgrounds, and templates	Aug-08	6%	13%	31%	50%	0%
	May-09	58%	26%	11%	4%	0%
Change position of toolbar menu	Aug-08	9%	15%	26%	50%	0%
	May-09	58%	25%	15%	2%	0%
Change position of Page Sorter, Gallery, and Properties tabs	Aug-08	7%	9%	33%	50%	0%
	May-09	51%	30%	13%	6%	0%
Change color, width, and style of pens	Aug-08	11%	17%	28%	44%	0%
	May-09	66%	21%	13%	0%	0%
Change width of eraser	Aug-08	9%	19%	30%	43%	0%
	May-09	62%	21%	17%	0%	0%

<b>SMART Notebook Software Basic Skills</b>		<b>Extremely Proficient</b>	<b>Proficient</b>	<b>Novice</b>	<b>Clueless</b>	<b>N/A</b>
Use the Magic Pen	Aug-08	6%	19%	28%	48%	0%
	May-09	58%	26%	15%	0%	0%
Use the Shape Recognition Pen	Aug-08	2%	6%	37%	56%	0%
	May-09	55%	28%	17%	0%	0%
Add Themes to the SMART Pages	Aug-08	4%	4%	39%	54%	0%
	May-09	53%	26%	19%	2%	0%
Clear pages and objects from SMART Notebook pages	Aug-08	7%	17%	28%	48%	0%
	May-09	60%	26%	13%	0%	0%

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<b>SMART Notebook Software Intermediate Skills Questions</b>		<b>Extremely Proficient</b>	<b>Proficient</b>	<b>Novice</b>	<b>Clueless</b>	<b>N/A</b>
Organize slides - move, copy, clone, and copy between notebooks	Aug-08	7%	0%	35%	57%	0%
	May-09	53%	23%	23%	2%	0%
Change view - zoom in, zoom out	Aug-08	2%	11%	24%	63%	0%
	May-09	55%	25%	21%	0%	0%
Customize Toolbar menus	Aug-08	4%	7%	26%	63%	0%
	May-09	42%	40%	19%	0%	0%
Use Dual Page Mode	Aug-08	0%	6%	33%	61%	0%
	May-09	51%	30%	19%	0%	0%
Use and manipulate the Screen Shade	Aug-08	9%	15%	22%	54%	0%
	May-09	58%	21%	19%	2%	0%
Use and manipulate the Spotlight Tool	Aug-08	6%	4%	30%	61%	0%
	May-09	51%	19%	26%	4%	0%
Use graphics from onlince sources in Notebook pages	Aug-08	7%	7%	28%	57%	0%
	May-09	45%	28%	26%	0%	0%
Animate Objects	Aug-08	4%	2%	24%	70%	0%
	May-09	34%	28%	34%	4%	0%
Use the Page Recording Feature	Aug-08	2%	0%	30%	69%	0%
	May-09	34%	28%	38%	0%	0%
Organize Gallery resources: images, templates, backgrounds	Aug-08	2%	7%	26%	65%	0%
	May-09	49%	26%	21%	4%	0%

<b>SMART Notebook Software Intermediate Skills Questions</b>		<b>Extremely Proficient</b>	<b>Proficient</b>	<b>Novice</b>	<b>Clueless</b>	<b>N/A</b>
Insert Flash and video objects						
	Aug-08	2%	4%	26%	69%	0%
	May-09	28%	30%	38%	4%	0%
Alter images: select, move, resize, rotate, transparency, outline, fill						
	Aug-08	7%	2%	31%	59%	0%
	May-09	43%	32%	23%	2%	0%
Understand order of images: send to back, bring to front						
	Aug-08	7%	7%	33%	52%	0%
	May-09	49%	23%	26%	2%	0%
Group and Ungroup objects						
	Aug-08	4%	7%	31%	57%	0%
	May-09	51%	25%	25%	0%	0%
Use alignment guides to align objects						
	Aug-08	0%	6%	24%	70%	0%
	May-09	36%	26%	34%	4%	0%
Lock graphics in place: know allow move and allow move and rotate						
	Aug-08	4%	7%	31%	57%	0%
	May-09	53%	26%	21%	0%	0%
Change the default text font, size, color						
	Aug-08	7%	4%	30%	59%	0%
	May-09	53%	25%	21%	2%	0%
Add and organize objects in My Content in the Gallery						
	Aug-08	6%	6%	28%	61%	0%
	May-09	43%	32%	19%	6%	0%
Find and download online lessons on SMART Tech website						
	Aug-08	7%	9%	30%	54%	0%
	May-09	51%	26%	21%	2%	0%
Re-order, rename, and group Notebook pages						
	Aug-08	7%	9%	30%	54%	0%
	May-09	47%	30%	21%	2%	0%
Use and change color of the Highlighter						
	Aug-08	9%	15%	30%	46%	0%
	May-09	58%	17%	25%	0%	0%
Use and change the Creative Pen						
	Aug-08	7%	11%	28%	54%	0%
	May-09	55%	25%	19%	2%	0%

## Tech2Learn Pre and Post Skill Survey Results

<b>SMART Notebook Software Advanced Skills</b>		<b>Extremely Proficient</b>	<b>Proficient</b>	<b>Novice</b>	<b>Clueless</b>	<b>N/A</b>
Design SMART Notebook lessons	Aug-08	4%	6%	24%	67%	0%
	May-09	34%	38%	21%	8%	0%
Customize, revise, and edit Notebook lessons created by others	Aug-08	2%	11%	17%	70%	0%
	May-09	34%	38%	21%	8%	0%
Change properties of Gallery items	Aug-08	2%	6%	15%	78%	0%
	May-09	34%	32%	25%	8%	2%
Using tools for the Gallery	Aug-08	2%	15%	11%	72%	0%
	May-09	43%	26%	23%	6%	2%
Add attachments to Notebook files	Aug-08	4%	6%	15%	76%	0%
	May-09	36%	34%	19%	9%	2%
Insert links to web pages, pages in files, sounds, attachments	Aug-08	6%	7%	15%	72%	0%
	May-09	45%	28%	17%	9%	0%
Create Themes in Notebook pages	Aug-08	4%	7%	17%	72%	0%
	May-09	34%	26%	30%	9%	0%
When setting a link, understand a corner icon and an object	Aug-08	2%	2%	20%	76%	0%
	May-09	38%	28%	21%	13%	0%
Insert a Table into a Notebook page	Aug-08	0%	4%	19%	78%	0%
	May-09	38%	28%	25%	8%	2%
Use the SMART Printer (Windows only)	Aug-08	0%	6%	17%	78%	0%
	May-09	28%	21%	34%	11%	6%
Change printer setup: handouts, thumbnails, full-pages, etc.	Aug-08	4%	4%	17%	76%	0%
	May-09	26%	19%	36%	15%	4%

<b>SMART Notebook Software Advanced Skills</b>		<b>Extremely Proficient</b>	<b>Proficient</b>	<b>Novice</b>	<b>Clueless</b>	<b>N/A</b>
Export Notebook file as a webpage, image, or PDF	Aug-08	4%	4%	15%	78%	0%
	May-09	23%	30%	34%	11%	2%
Export Notebook file as a PowerPoint (Windows only)	Aug-08	6%	2%	11%	81%	0%
	May-09	25%	28%	32%	11%	4%
Use the Ink Aware feature with Word, PowerPoint, Excel (Win only)	Aug-08	4%	2%	11%	83%	0%
	May-09	26%	34%	26%	9%	4%
Import PowerPoint into SMART Notebook (Windows only)	Aug-08	6%	4%	13%	78%	0%
	May-09	34%	25%	23%	15%	4%
Use all four Screen Capture options	Aug-08	2%	2%	13%	83%	0%
	May-09	32%	28%	26%	11%	2%
Use the Video Recorder option	Aug-08	2%	2%	15%	81%	0%
	May-09	23%	26%	28%	15%	8%
Use the SMART Video Player option (Windows only)	Aug-08	2%	0%	13%	85%	0%
	May-09	23%	19%	34%	15%	9%
Use the SMART Ideas software	Aug-08	0%	2%	15%	83%	0%
	May-09	21%	32%	32%	13%	2%
Use a document camera interactively with virtual ink	Aug-08	0%	0%	9%	91%	0%
	May-09	9%	23%	38%	17%	13%

## *Tech2Learn Pre and Post Skill Survey Results*

<b>SMART Board Integration in the Classroom</b>		<b>Very Often</b>	<b>Often</b>	<b>Seldom</b>	<b>Never</b>
Use the Ink Layer mode with a browser and other third party applications	Aug-08	0%	2%	10%	88%
	May-09	19%	28%	32%	21%
Use the SMART Board and Notebook activities for student assessment	Aug-08	0%	6%	17%	77%
	May-09	13%	42%	34%	11%
Use the SMART Board and Notebook activities as an instructional tool	Aug-08	6%	25%	17%	52%
	May-09	55%	26%	19%	0%
Use the SMART Board and Notebook activities as a intervention tool	Aug-08	2%	17%	23%	58%
	May-09	28%	45%	21%	6%
Use the Notebook activities to increase student engagement	Aug-08	13%	17%	23%	48%
	May-09	64%	23%	13%	0%
Use the SMART Board and Notebook activities to improve student behavior	Aug-08	8%	17%	21%	54%
	May-09	40%	36%	23%	2%
Use the SMART Board to demonstrate how to use other software applications	Aug-08	13%	8%	19%	60%
	May-09	38%	34%	21%	8%
Write on the SMART Board with a finger	Aug-08	8%	23%	25%	44%
	May-09	49%	26%	19%	6%
Use other SMART devices with the board (Senteo clickers, Airliner slate, etc.)	Aug-08	4%	6%	13%	77%
	May-09	21%	25%	26%	28%
Use the SMART Notebook activities to facilitate whole group discussions	Aug-08	13%	19%	11%	57%
	May-09	55%	34%	6%	6%
Allow and encourage student interactivitiy with the SMART Board	Aug-08	19%	19%	13%	50%
	May-09	58%	30%	11%	0%

**SMART Board Integration in the Classroom**      **Very Often**   **Often**   **Seldom**   **Never**

Provide students with printed copies of SMART Notebook handouts

Aug-08	6%	6%	19%	69%
May-09	15%	25%	47%	13%

Use self-created SMART Notebook lessons

Aug-08	4%	21%	8%	67%
May-09	40%	34%	19%	8%

Use SMART Notebook lessons created by others

Aug-08	6%	10%	15%	69%
May-09	38%	38%	19%	6%