

DRAW VIEW

Software User Manual

Draw View Installation and Software Calibration

1.1 Software Installation

Operate "DRAWVIEW_V4.3.exe", install the software, first step, pls choose the software language as photo below . (Photo from 1-11 to 1-16)

guage of the installe	-
	_
	•
	_
	Cancel



Photo 1-12

Choose Components Choose which features of ****	** 4.3 you want to install.	7
Check the components you wa install. Click Next to continue.	nt to install and uncheck the cor	nponents you don't want to
Select components to install:	 32-bit systems driver 64-bit systems driver MultiTouch ****** WhiteBoard Printer 	Description Position your mouse over a component to see its description.
Space required: 176.6MB		
**** Instal System \4.3	< Back	Next > Cancel

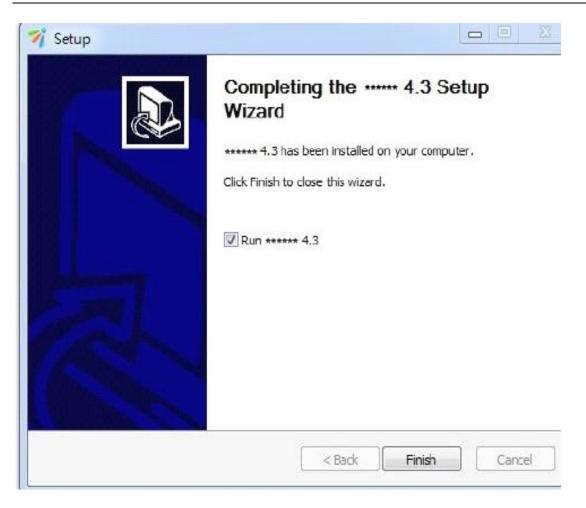
Photo 1-13

choose Install Location	-
Choose the folder in which to install **	•• 1.3.
Setup will install *** 4.3 in the follow and select another folder. Clck Install	wing folder. To install in a different folder, dick Browse to start the installation.
Destination Folder	
Destination Folder	Browse
C:\Program Files (x86)\ Space required: 179.1MB	Browse
	Browse

Photo 1-14

istalling Please wait while *** 4.3 is being installed.		2
Output folder: C:\Program Files (x86)\ *** \	/4.3\DrawView\ResLb\PicRes\Chemistry\Ele	me
Skipped: horse2.gif		
Skipped: horse_foal.WMF		
Skipped: largepig.gif		
Skipped: pig - head.WMF		
Skipped: pig2.gif		
Skipped: piglets.WMF		
Skipped: sheep.WMF		
Skipped: sheep2.WMF		
Output folder: C:\Program Files (x86)\ ***	V4.3\DrawView\ResLib\PicRes\Chemstry	ñ
Output folder: C:\Program Files (x86)\ ***	V4.3\DrawView\ResLib\PicRes\Chemistr	
Install System V4.3		
	<back next=""> Can</back>	-

Photo 1-15





2. Software Calibration

2.1 Special support software for calibration: "opppoint.exe"

1. Operate the "opppoint.exe" from the CD, then double click; then you will see the white calibration point (Photo 2-1), and use the finger or other pen to touch the center of the point, then step by step from the right corner to left corner (Photo 2-22-3. 2-4)



Photo 2-1



Photo 2-2







Photo 2-3

2.2 Use the support tablet PC adjustment from Win 7 computer system:

1. Control Panel---TABLET PC---choose "adjust", then you will have 16 points

calibration the same way as above, then save your adjustment---Finish calibration.

Remark :

1. If your pen or finger is not at the center of the point or click wrong, pls click ESC to quit and then make the calibration again;

2. Calibration, the pen or finger must be straight on the surface of the board;

3. When change the projector or reinstall the software, pls make the calibration again;

Mouse right function: Click the board and stop for 2 seconds, then you will see right mouse function;

Software Application Instruction

1. Draw ViewV4.3 Instruction

Draw ViewV4.3 software can be used in education and business. It is designed to be an interactive user friendly tool easy use as a powerful tool for education and business, where the classroom will be more productive and active, and business is more practical and functional using our up to date Draw View V4.3.

In replace of the mouse, users can achieve the functions such as mobile, click, double click, drag, right key so as to control PC with fingers (or any non-translucent objects) and make use of supporting software to achieve writing, erasure, label, drag, magnifying, screen shade, spotlights, print Screen, screen conservation, screen recording and playback, handwriting recognition, keyboard input, text input, links from web to video and sound, insert and control. With the help of the third-party remote collaboration software, not only achieve the functions of long-distance education and meetings which are powerful Interactive teaching and learning and demonstration, but also create multimedia courseware for the classroom and the meetings. This manual which apply to the installation of all types of the DRAWVIEW-XXX series is the Installation manual of interactive Whiteboard You can see the software's help files or the software manual" series interactive Whiteboard – Draw View software instruction manual " for the use of supporting software

1. Software interface :





2. Draw View V4.3 main functions

Page functions	including:- page color and condition: such as color (white, green and black) pages, and pages conditions, such as: (image screen and transparent) pages ,,, etc.
	including: Pencil, Soft Pen, Highlight Pen, Texture Pen, Brush Pen,
Pen functions	Intelligent Pen, Object Pen
	including Line, Triangle, Rectangular Triangle, Ellipse, Round,
Figure functions	Pentagon, Five-pointed Star, Six-angular, Rhombus, Arrows, Double
	Arrow, Angle, Cube, Cylinder, Cone, Rounded Rectangle, Arc, Sector,
	Parallelogram

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Eraser functions	including Object Eraser, Bitmap Eraser(Small), Bitmap, Eraser(Medium),
	Bitmap Eraser(Big), Cover Eraser
Insert object	including Insert Image, Insert Text, Insert Video, Insert Flash, Insert
functions	Office File, Insert Cover, Insert Gif image etc.
Recorder functions	including Record, Play, Pause, Stop, Save, Open function.
Page Operation	including Zoom In, Zoom Out, Free Move, Move Back, Undo, Redo,
functions	Page Up, Page Down, Select, Clear Page, Delete Page, Screen or Soft
Auxiliary	Page including Searchlight, Curtain, Magnifying Glass, Screen Camera,
Tools	Ruler, Protractor, Compasses, Triangle Ruler, Record Tools, Video
	Camera, Fill Color, Dice, Math Tools, Handwriting
Word、 Excel notes	Annotate the opening MS-Word or MS-Excel.
Resource	including page Resource preview, web resource, Image Resource,
function	Text Resource, Discipline Resource, Custom Resource, Custom
	Tools, Add Resource etc.
Color setting	setting the color of pens and background.
Line width setting	setting the width of lines and objects.
Arrow Line setting	setting the Arrow line, shape and direction.
Transparency setting	setting transparency of objects.
Other functions	including select, screen or soft page, undo, redo, read the word, write board etc.

Main menu	including New File, Open File, Import File, Save Page, Save File, Save as,
functions	Print this Page, Print all Pages, Send Email, Language, Setting, Help,
	About, Exit.
Right menu	Including copy, cut, Copy, Paste, Clone, Lock, Delete, Rotate, Rotate45,
functions	Rotate90, Rotate180, Rotate270, Combine, Cancel Combine, Layer
	Sequence, On Top, On Bottom, Move Up, Move Down, Add to Gallery,
	Mirror,

3. Page function

There are six pages setting as default, including white page, green page, black page, image page, screen page, transparent page. Page interface :



Page description :

	white page	create a white page, can change the color by background color
	black page	create a black page, can change the color by background color
	green page	create a green page, can change the color by background color
	image page	create an image page as background, can select image from the image folder, user can also add pictures into the image folder for use.
0	screen page	screen page can use the computer screen as background

	this is a special page. It is transparent. so users can use it over any
	displayed screen on the computer and can write on it and do the normal
transparent	drawview functions on it. for example, you can open a video file, then
	open the
page	DrawView,
	create a transportant page make pater on the video while the video is

4. Pen Try

The Pen Tray used for drawing and writing on the board. you can draw lines, figures and write. there are seven pens in the pens tray as follows:- pencil, soft pen, highlight pen, Texture Pen, Brush Pen, Intelligent Pen and Object Pen.

Interface of pens :



Pens Functions introduction :

õ	Pencil	it's the basic pen. used to draw figures, line or write words. You can change the color, lines width and style and transparency.
	Soft pen	this pen has a stroke. designed mainly for writing texts ; the color, width and transparency can be changed.
ø	Highlight pen	this pen has stroke and it comes with half-transparency. Can be used for marking over the already written text. the color, width and transparency can be changed.

\$	Texture pen	this pen can make artistic effect. click this icon, chose the image you like, adjust the width, you can draw a beautiful picture. users can add the picture in the folder for use and also
ø	Brush pen	this pen has stroke and the width can be changed when drawing speed changes. The drawing like traditional Chinese pen. The color, width and transparency can be changed.
M	Intelligent Pen	this pen can fix and recognize the drawing lines into standard straight line, broken line, rectangle, oval, circle. the color, width and transparency can be changed.
Ś	Object Pen	this pen is made for art effect. click this icon, select the right figure, the line make up of many different figures. the figures, transparency can be changed.

5.Introduction to figure tools

Figure tools are a drawing tools designed to help the user to choose a ready made shapes and display them drawing standard figures, the board directly, which including: including Line, Triangle, Rectangular Triangle, Ellipse, Round, Pentagon, Five-pointed Star, Sixth angled shapes, Rhombus, Arrows, Double Arrow, Angle, Cube, Cylinder, Cone, Rounded Rectangle, Arc, Sector, Parallelogram tools.

Interface of figure tools :



There are two kind of figure tools, one is line figures 2D, the other is three Dimension 3D figures. 2D figures are made up by lines. The 3D figures are 3D shapes both can be edited, when moved the figures data will change accordingly, that's includes line dimensions, angles , there are also arcs in the figure. Note that figures can not be edited, it can only be moved, zoom in or zoom out and refigures.

6. Introduction to erasers

Erasers can erase the object drawing in the software, it includes Object Eraser, bitmap eraser and cover eraser etc.

Interface of erasers :



About different eraser tools :

	Object Eraser	is designed to erase any thing you are drawing or writing or drawing
	tool	while using the drew View software
·`@	Bitmap eraser tool	this eraser tool can be used with whatever pen you use from the DRAWVIEWView software and you have deferent types of erasers to suit your need.
	Scratch function	with scratch you can be able to scratch the card on an screen.

7. Insert object function

Draw View 4.3 support multimedia object insert.users can insert images, Texts, video, Flash, Office File, Scratch-able cover and Gif etc.

Interface of insert object tool



Function introduce :

	Insert image	click the icon and insert image into the software, the transparency can be changed.
T	Insert word	click the icon to insert word, the word can be credit color, name, size and transparency etc.
۲	Insert video	click the icon to insert video, with file extension ".avi"
Ø	Insert Flash	click the icon to insert flash
	Insert office file	click the icon to insert office file and PDF file.
	Insert cover	click the icon to insert a scratch and cover a content material. user can
		erase the scratch by scratch eraser

8. Recorder

Record function allows you to record anything you do on the board to view later anytime you like, and it includes record, Play, pause, stop, save and open video.

Interface of recorder :



Function introduction :

Record	record the action you do with DrawView
Play	play the record
Pause	pause the playing

	Stop	stop record or playing
	Save record	save the video record
	Open video	open the video record and play it

9.Page tools

These tools handles the common operations of the pages, such as zoom in, zoom out, page up, page down, free move, move back, clean the page.

Interface of pages operation :



Functions introduction :

3	zoom in	to enlarge the size of the whole page including the objects on the page
0	zoom out	to reduce the size of the whole page including the objects on the page
	page before	display previous page
	page after	display next page
Sent Contraction	free move	you can browse within the current page
N.K N.K	move back	to return to the center of the page

	clear page	delete all the page content
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10.User Tools

There are some educational and show tools in the software which including Searchlight, Curtain, Magnifying Glass, Screen Camera, Ruler, Protractor, Compasses, Triangle Ruler, Record Tools, Video Camera, Fill Color, Dice, Math Tools.

Interface for auxiliary tools :



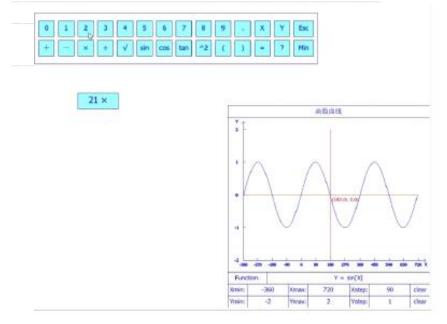
Function introduction :

	Search light	used to make the audience focus on a certain part of the board, so they can see part of the screen while the rest of the screen is covered. the cover's color and image can be changed. The shape can be changed into diamond, rectangle, oval, triangle and double diamond.
	Curtain	can be used to cover the content user do not want show at temporary. the color, image and size can be changed.
0	Magnifying Glass	magnify the image of screen, can show a magnified area. can be magnified to different sizes.
1	Screen Camera	takes a screen shot, its saved and then you can display it on a new page
-	ruler	used to measure the length of object or draw a line. user can use it measure length, and draw a line by the e side of the ruler.

	Protractor	used to measure angle, drawing angle, arc and sector.
	Triangle Ruler	used to measure length
<u></u>	Compasses	used to draw arc or circle
	record	used to record the action of software after clicking this icon, file can be saved as .avi or flash.
<u>@</u>	Video Camera	use the computer camera to catch image or make video.
	Fill Color	click this icon can fill color to the same color area, and the colored area will be a picture area.
:	dice	Random number generator, used to make random number
foo	Math	used to make math formula and function, it can calculate by

Tools

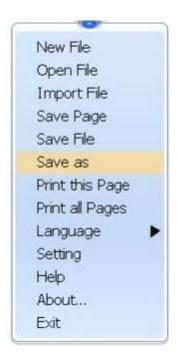
itself, when you click the "?" icon, it will display the result. And this tool can drawing curve as the function shows.



11. Introduction to main menu

Main menu includes: New File, Open File, Import File, Save Page, Save File, Save as, Print this Page, Print all Pages, Send Email, Language, Setting, Help, About and Exit ... etc.

Interface of main menu :



Main menu functions :

New page	Create a new page.
Open file	Open the file with ".draw" file extinsion
Import file	import other files as background. this function supports the files with the following file extensions: bmp, jpg, gif, emf, png, wmf, ppt, pptx and "*.*".
	all the files can be imported directly except *.*., which need to install virtual printer first and set it as default printer.

Save page	click the save icon. the page style can be saved as: bmp, jpg, gif, tif, emf, png, wmf etc
Save file	save all the pages and objects as (.draw) file
Save as	click the icon save as, to specify one of the following extensions that you wish to save the page under it, file extensions are: bmp, jpg, gif, tif, png, pdf, ppt, pptx, doc, docx.
Print this page	click the icon print the current page. note: need to install your printer driver and connect the printer first.
Print all pages	click the icon print all the pages in the software. note: need to install your printer driver and connect the printer first.
Language	setting the software operating language. the languages are displayed in the installation catalog with the file ext.(*.lng) kindly contact us so we can give you the detailed instruction on how to translate to your local language.

Setting	setting the basic parameters of operations, including open page			
	setting, mouse setting, finger gesture setting, recorder setting, save			
	automatically setting etc. interface of setting			
	Setting			
	StartupPage Setting Startup on White Page Startup on Transparent Page Startup on Screen Page Startup on Logo Page Page Return Setting Return to Current Page Return to Current Page Return to Transparent Page Return to Screen Page Record Screen Page Record Sound AutoSave Setting S Minute Cancel Save			
Help	open help file, find help information			
About	display the software version information			
Exit	exit the software			

12.Right Menu

It includes: Copy, Cut, Paste, Clone, Lock, Delete, Rotate, Combine, Cancel Combine, Layer Sequence, Add to Gallery, Mirror, Flip, Drag Copy, Hyperlink, Animation.

Interface of right menu :

Сору
Cut
Paste
Clone
Lock
Delete
Rotate 🕨 🕨
Combine 🕨 🕨
Layer Sequence 🕨
Flip 🕨
Mirror 🕨
Drag Copy
Hyperlink
Animation

Function introduction :

Сору	copy selected objects, work together with paste
Cut	cut selected objects, work together with paste
Paste	paste copy or cut objects, can paste to different page
Clone	copy and paste selected objects
Lock	lock selected objects, object which is locked can not be
	moved, zoom in or out, remote or delete
Delete	delete selected objects
Rotate	Rotate45,Rotate90,Rotate180,Rotate270,
Combine	combine all the objects selected. you can also cancel the combine.
Layer order	setting the order of layers, setting the display order of object.

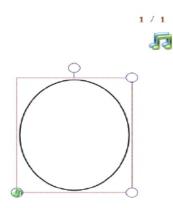
Flip	Flip the objects, including level Flip and vertically Flip.
Mirror	create mirror image for select objects, including level image and vertical image.
Drag Copy	click this icon, drag an object on the page, will copy a new one in the place you release the object. it's quick copy way.
Hyperlink	link pages or objects.

Interface for links:

Setting
ga Link
C:\Program Files\JBoard\4.0\Draw\Ve
jectLink
C:(Program Files\(Board\41.0\(Draw\4)); 🛄
KeyBoard Cancel Ok

as the below picture, there will be a music icon on the northeast corner on the page; for link figures, there will be a music icon on the upper right corner of your screen.click the music icon can open

The link file



Animation

Setting page switching animation, and select object animation. Interface for animation

Page Anin		
	HorizontalScan	•
Object An	mation	
	Enter Animation	•

there will be a icon on the upper right of the screen to play the animation when there is animation. click the icon can open the animation.



13. Format and Styles

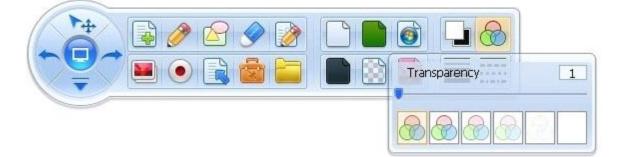
The format and styles including color setting, transparency setting, width setting, style and cap setting.

Interface for format and styles color setting :



Pen color is for the pens: you have many options for the pen colors to choose from background color is for the page color or object fill color.

Interface for transparency setting :



Setting the transparency of object and pages.



Interface of line width setting :

Width setting only works on selected objects and current line. Interface for lines style setting :



This function only work on pencil and straight line. when there is no other select object, it works on the current line.

14. Resources list

The resources are designed for education. they includes Web Resource, Image Resource, Text Resource, Customized Resource, Customize Tools and you you have also "Add Resource" function.

Interface for resources list :

1	💭 Page lades	O Web Resource	in Inter Researce	A TatRoase	Discipline Resource	*	R Cetan Resource	Centan Taab	 ×
•									•

Functions introduction :

Pages	click this icon, you can see all Thumbnails of pages created. Each
_	thumbnails has a delete button, click the button can delete it

	click this icon you can see all links in the web resource folder. (.url)
Web	path of web resource : ***drawview\ResLib\NetRes。
Resource	how to add web resource : right click on the webpage, choose "save
Resource	as", then create a (.url) file, copy the url file into the web resource
	folder, then you can see the web resource in the software. click the
	link file, you can open the website.
	click the icon, you can see all the images in the image resource folder.
image	path of image resource folder: installation catalog\ResLib\PicLib。
	how to add image resource: create a new folder under the image
resource	resource folder, copy the image resource in the new folder. open the
	image resource, click the triangle to sort the resource you add. the
	catalog name is the new folder name.
Text Resource	click this icon, it includes all the (.txt)files in the text folder.
	path of text resource: installation catalog\ResLib\TextRes。
	how to add text resource : create a new folder under the text
	resource folder, copy the text resource in the new folder. open the
	text resource, click the triangle to sort the resource you add the

	click this icon, it has the common figures of different subjects.
	path of discipline resource: installation
	catalog\ResLib\VirtualClassRes。
Discipline	how to add discipline resource : create a (.dat) file under the
Resource	discipline resource folder.
	how to open the discipline resource: click the icon, there is a triangle
	for sorting of the discipline. select the sort you want, it will show the
	figures it has. click the figure on the software page and drag it into
	the resource panel, it will be saved.
	click this icon, it includes resources that user add.
Custom Resource	path of custom resource: installation catalog\ResLib\CustomRes。
	how to add discipline resource : create a (.dat) file under the custom
	resource folder.
	how to open the custom resource: click the icon, there is a triangle for
	sorting of the custom. select the sort you want, it will show the
	figures it has. click the figure on the software page and drag it into
	the resource panel, it will be saved.

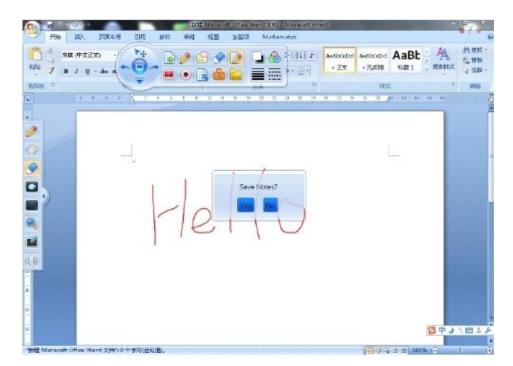
	click this icon, it includes all application resource in the folder.
Custom	path of custom tools : installation catalog\ResLib\AuxiliaryToolsRes。
Tools	how to add custom tools : copy the tool into the custom resource
	folder. the style of file should be (.exe)or hotkey (.lnk)。

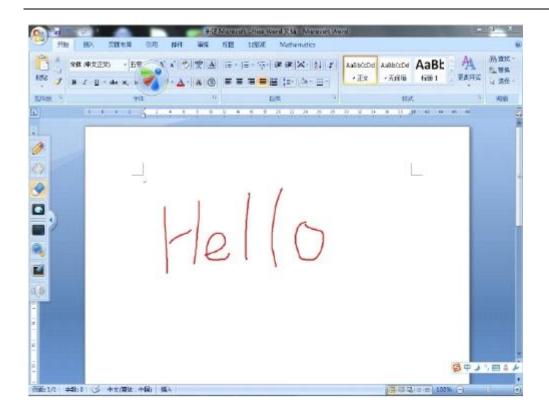
15. Word and Excel notes

Word and Excel notes function can allow you to make notes in word or excel files and save the file with the notes as images. by using the following writing tools: the pencil, the soft pen and highlight pen tools to make note in office files.

To make a note: open an MSOffice file first, create a screen page or transparent page using ******, then click pencil or soft pen or highlight pen tool to make note for the file. When finish making the note, click "save as", there will be a save box, click yes, then save the note to word or excel.

See the picture as follows:





16. Other functions

There are some common functions in the software, such as select, undo, redo, Move Back, reader, handwriting.

Introduction :

O	screen	move back to the computer screen, then you can still use the interactive area instead of the mouse
	handwriting	please install MyScript Stylus first, or any hand writing recognition software then you can start hand writing recognition function directly on the board.
▶₽	select	click this icon then choose any object by your hand to use it any way you like.
+	undo	cancel last step, max for 20 steps

~	redo	to recover the cancel
•	reader	you can listen to any word from the resources, or even the words you write any where on the board using a third party writing software.

17. Introduction of Customized Shortcut Bar (CSB)

CSB can help user work easier. There are some default common icons which users often refer to, and also user can add any other icon in the main menu to the CSB list. Meanwhile, user is free to change the location of the CSB; simply by move it to left or right.

Interface for CSB :



main menu you can chose any icon from the main menu and add it to the CSB.

You can also remove any icon from the CSB.

1. Adding an icon

To add an icon, simply drag the icon from the main menu to the CSB



Construction of the second sec	

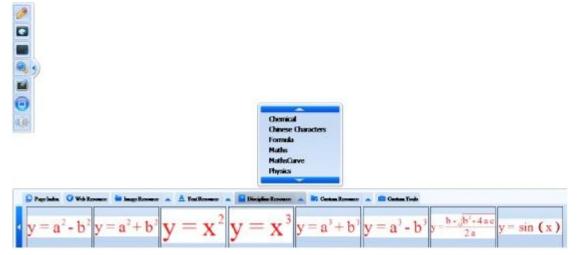
2. Deleting an icon

To delete an icon, simply drag away the icon from the CSB

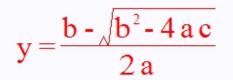


Mathematical Resources:

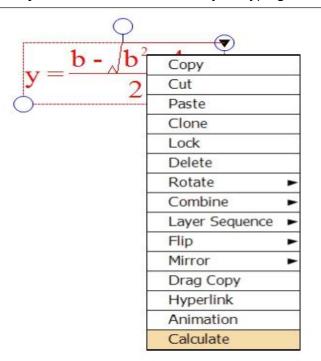
1 mathematical formula: A Multi educational resource includes primary school, Secondary school mathematical formula and can be calculated without the standard showing up from the computer screen. Operation ways below:



As above, choose from folder multi educational resources mathematical axiom, then you will see all the different axioms. Then choose it and drag on the page, as photo below:



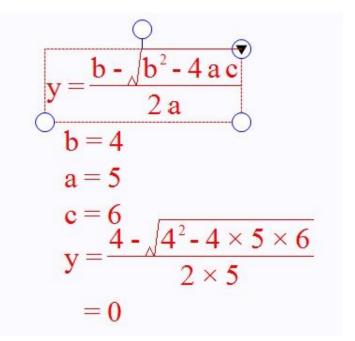
The objects can be calculated from your typing data. Such as below:



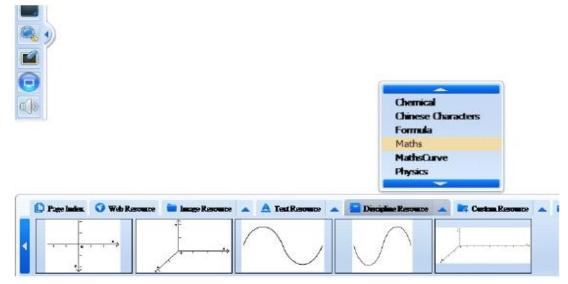
Type Numbers:

b:	4
a:	5
c:	6

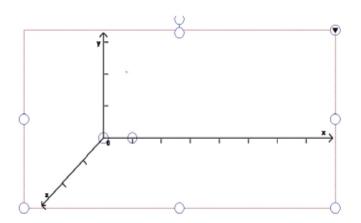
Click Calculate:



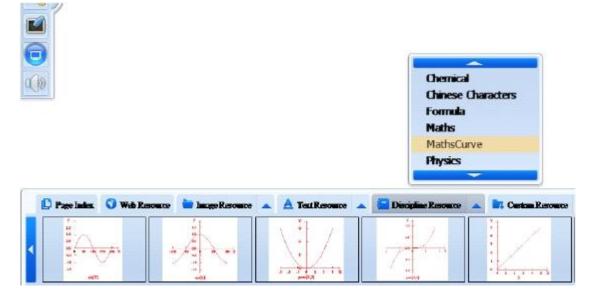
2、Math figures, you can find some basically math figures such as two dimension coordinate, three-dimensional coordinate, sine curve, cosine curve, etc. Operation way is below:



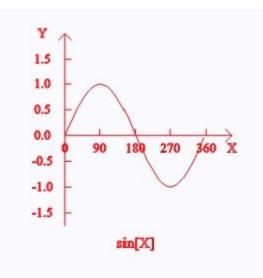
As above, choose the figure from the resources and drag on the page and edit it.



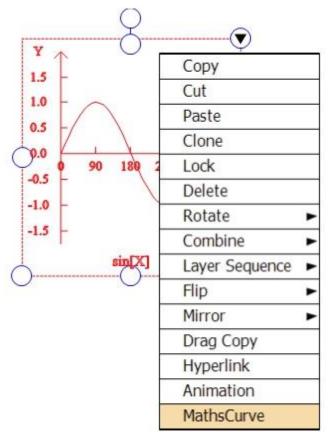
3、Math Function figures:



As above, choose the figure from the resources and drag on the page and edit it.

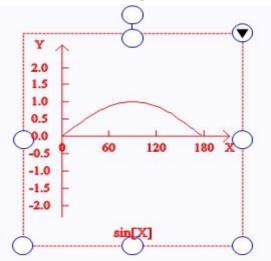


Right mouse function to edit :

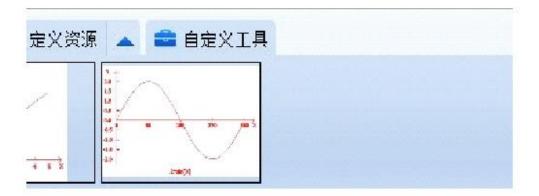


Function:	sin[X]		
XMin:	0.0	1	
XMax:	360.0		
XStep:	90.0		
XZero:	0.0		
YMin:	-1.5		
YMax:	1.5	0	
YStep:	0.5]	
YZero:	0.0		

Set up new numbers for X , Y, 0 then can get new function figure.



As below, the new figure we can drag into the customized tool. When you use next time just drag on the page, no need to do the new one.



4、Math Tool



Choose customized resources math tool and open the tool software MATHML, then you will get the functions below. Type a formula and click input then you will see the formula from the frame below.

MathML	
8^2+sin30+(7-2)*8	Ť
8^{2} + sin 30 + (7 - 2) * 8	
24 • HandWriting InPut Calculate	Curve

After calculated, as photos below, click input, then click calculate, then you will get the result.

📸 MathML	
8^2+(7-2)*8	*
8^2 +(7-2)*8=104	
24 - HandWriting InPut Calculate	Curve

船 MathML	
8^2+(7-2)/(9+4)*8	* *
$8^2 + \frac{7 - 2}{9 + 4} * 8 = 67.07692$	
24 - HandWriting InPut Calculate	e Curve

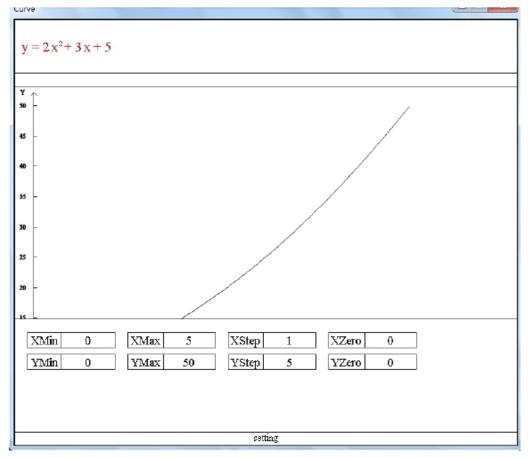
Function figure displayed function:

📸 MathML	
y=2x^2+3x+5	*
$y = 2x^2 + 3x + 5$	
24 - HandWriting InPut C	alculate Curve

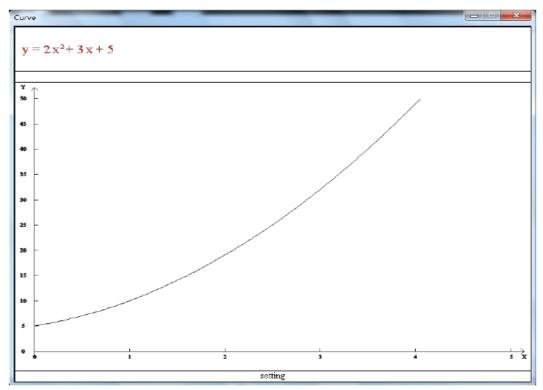
Type function figure and click input, then click curve then you will see the figure desktop.



Click setting, set up the new numbers for X range, Y range, 0 etc.

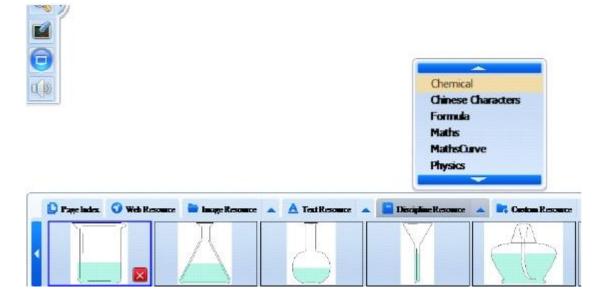




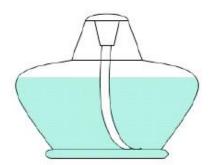


Chemical Resources:

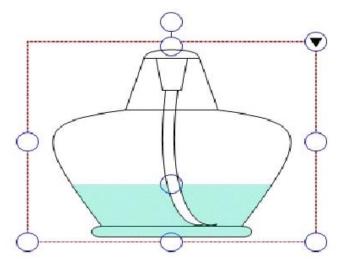
1. We put some chemical tool and instruments in this folder. Operations are below:



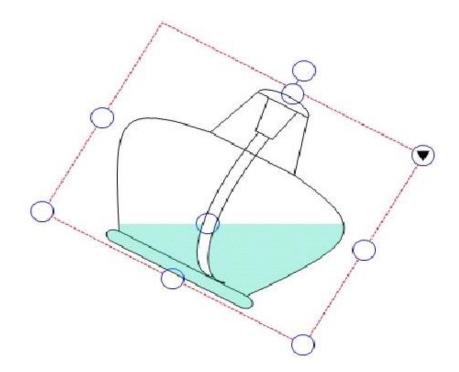
As above, choose chemical then you will get the resources and drag on the page to edit.



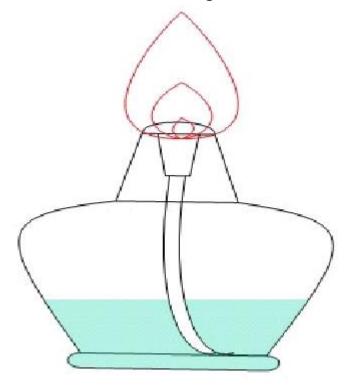
You can set up any height for this tool.



When you rotate this chemical tool, the liquid surface will be horizontal.



It can be combined with other figures to make the chemical test.



2、Chemical equation for Secondary and Senior Schools .

0	Page laden 🔇 W	eb Resource 📄 Image	Resource 🔺 🔺 Te	stResource 🔺 🔛 1	Discipline Resource
< 21 2	™CIHFe—¥FeCI	2FeCB+Ca-2FeC1 2+CaCD	2FeCB+Za-2FeCl 2+ZaCD	FeCI3+A5-FeCI2 +A8C	Fe2(SO4) 3+2Ag Fc2O4+A g2SO4

As above photo, choose different chemical equation, and right mouse to choose phoneticize and you will get below:



3、periodic table of elements

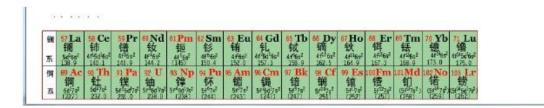


```
Choose it and click it .
```

							j	元素	長居	副期	表									
1	IA1		悉子 序版		92 U		夏子符; 	9、红色指 元素	#2	×.	全国							0 18	电子层	0%
L	141	IA 2	元素名 注"绝 人道元	40	- 铀		N 10 4 7 10						ШĄ	IVA 14	VA 15	VIA 16	VI A	- 101	ĸ	-2
2	》Li 锂	4 Be 钹	7.187		5f ³ 6d ³ 7s ² 236.0		外围电子器 括号指符第 子展排布 相时原子质			过渡元》	ĸ		B 28 ³ 70 ² 10.80	C 構造型 12.11	N (10)	0 4 16 00	F	Ne 525200 100-18	L K	8 3
3	11 Na 纳 22 ³³¹	12 Mg 铗 33 ¹ 24.31	IIIB ₃	IVB ₄	VB 5	VIB ₆	VIIB	8	VII,		IB ₁₁	II B ₁₂	13 A1 铝 394304 26.98	Si te 28.05	P # 35	S CONTRACTOR		Ar	MLIK	000
1	19 K 年 45 ¹ 39-10	20 Ca 好 45 45 40.06	21_SC 51 31 ³ 45 ² 44.96	22. Ti 3645 ² 47.87	22 V 303462 50.94	24 Cr 铬 3d ¹ 8 ¹ 52 00	器Mn 锰。 2845 54.94	86 Fe 获 3d ⁹ 4s ² 55.85	27. Co 新 38 ¹ 4 ¹ 58.93	28. Ni 課 58-59	29 Cu 铜 50 ⁴⁰ 48 ⁴ 63.55	30 Zn 锌 3494年 65-41	3LGa 38 4s ³ 4d ¹ 69.72	8 Ge 諸 42.64	AS 神 45-45-1 74-92	Se 457404 71.96	· Br 漠和山	Kr	N M L X	8 18 9 2
5	37 Rb 翻 531 85.47	38 Sr 锶 55 ⁴	39 Y 纪 4557 88-91	40 Zr 结 40 ⁸ 5 ² 91.22	41 Nb 化 40 ⁴ 55 ¹ 92.91	42 Mo 钼 4455 ¹ 95.94	43 Tc 钙 4d5s ²	44 Ru 行 46 ⁷ 58 ¹ 101-1	45 Rh 铑 45°55 ¹ 102.9	46 Pd 紀 46 ³¹	47 Ag 银 4d ¹⁰ 5s ¹ 107.9	#Cd 編 44 ¹⁵⁵⁴	19 In 個 59 ⁸ 50 ²	50 Sn 锡 59750 ² 118.7	51 Sb 第 5530 ³ 121.8	Te 確 58504	● T 研集 55-554 (25.0	M Xe 凱 bs50 ^a	ONMLK	8 18 18 18 18 18 2
5	医Cs 绝 55 ¹ 132.9	56 Ba 钡 137.3	57 71 La-Lu 镧系	72 Hf 给 56 ² 65 ²	71 Ta 10 50 ² 65 ² 180.9	74 W 钨 56 ⁶ 6s ² 183.8	75 Re 铼 55 55 185.2	76 Os 银 50%5 ² 190.2	77 Ir 铱 50551 192.2		79 Au 金	** Hg 汞 54 ⁴⁰ 55 ⁴		82 Pb 铅 88 ² 6p ² 207.2	59 Bi	84 Po 针 6525p4 72090	552603		P.OZ.H.	81921818
7	87 Fr 钫 75'	88 Ra 41 7s ²	89~103 Ac~Lr 锕系	104 Rf 104 Rf 1617s' 12511	105 Db \$社 ¹⁰ 105 Db	106 Sg 容	107 Bh 银*	106 Hs 镭*	109Mt 後* (268)	110 Ds 钹* (281)	111 Rg 全* (272)	112Uub 綺*	113Uut *	11 Ting +	115Uup *	116Unh * [292]	117 Une * [291]	*	DAO224	a la

Add: NO 306 Building 12A Mingcuiyuan, Website: <u>www.itatouch.com</u>;

No 315 Pingan Road, Pinghu Town Longgang District Shenzhen Email: <u>info@itatouch.com</u> Tel: +86 755 – 61902348



Choose any one of the element, then you will see the information below.

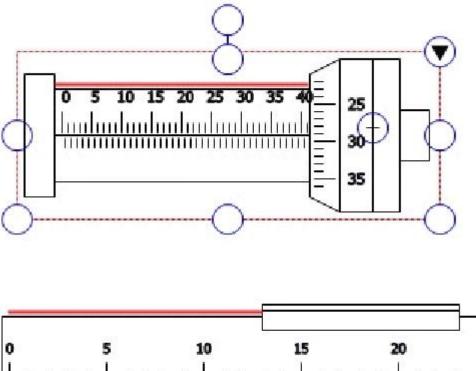
納 元素符号: Na 英文名称: Sodium 原子序数: 11 相对原子质量: 22.989768
原子半径/A: 2.23 共价半径/A: 1.54 离子半径/A: 1.02 原子体积/cm ³ /mol: 23.7 电子构型:1S ² 2S ² P8S ¹ 氧化态: 1
由电解氯化钠、硼砂和冰晶石而得。
用在医药、农业和摄影等方面,也用于制造路灯、电池和玻璃等。
状态:软质的银白色碱性金属。 熔点(°C):98 沸点(°C):883 密度 (g/L/273K,26atm):0.971 比热/J/gK:1.23 蒸发热/KJ/mol:96.96 熔化热/KJ/mol: 2.598 导电率/10%cm:0.21 导热系数/W/cmK: 1.41

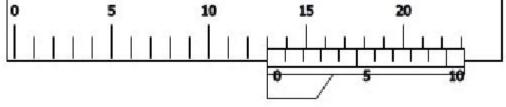
There are some Chinese words inside. Also you can download the same format from internet and put inside of this folder and use it.

Physical tools

		Chernica	Characters	
💭 Paye lades 🛛 Web Reso	nate 💼 inageResonate 🔺	Decidine Resource	🔺 📑 Castas Resource	: 🔺 💼 Cestan Tools
		e		

As above, choose Physics and drag on the page and operate it.





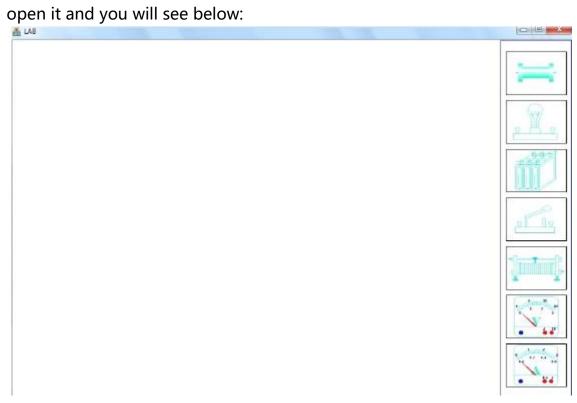
Above photo operation is the same with material object.

2、Physics CKT test platform

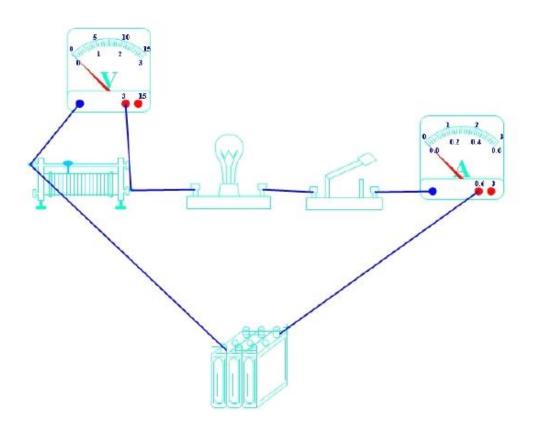




As above photo to choose CKT test, this software is to imitate CKT test software,

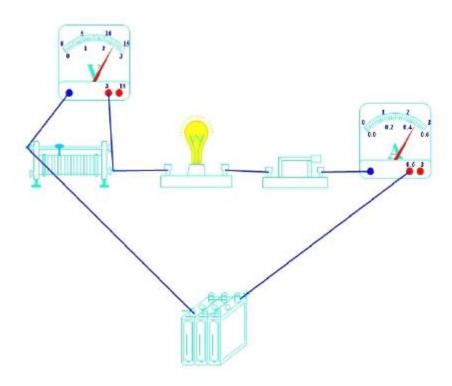


To choose circuit element and make a complete CKT diagram



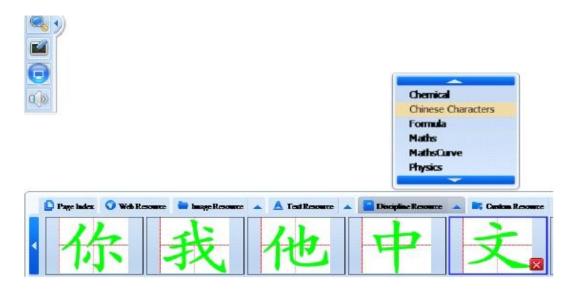
Connect the power, then voltmeter and ammeter can show the numbers after circuit element

test. When you choose right mouse function and choose "on" can make the light on as photo below.

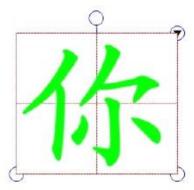


Chinese Resources

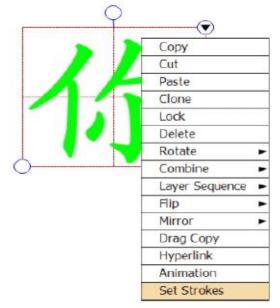
1、Strokes of a Chinese character



Choose one object and then drag on the page.



Set up a new strokes of a Chinese character



Choose setup and then make a new stroke of a Chinese character as operation below:







2、Chinese phonetic transcription



Choose right mouse function and choose phoneticize as below:

