



ViewBoard 2.1 Software

User Guide

Thank you for choosing ViewSonic

With over 25 years as a world leading provider of visual solutions, ViewSonic is dedicated to exceeding the world's expectations for technological evolution, innovation, and simplicity. At ViewSonic, we believe that our products have the potential to make a positive impact in the world, and we are confident that the ViewSonic product you have chosen will serve you well.

Once again, thank you for choosing ViewSonic !



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1. Introduction

ViewBoard 2.1 is an interactive whiteboard software which is based on interactive touch operation. The software is suitable for smart panel classroom teaching, which provides whiteboard functions such as writing, erasing, notation, drawing and roaming. It also fully integrates smart panel interactive multimedia functions, providing powerful interactive teaching and displaying experiences such as sub-subject teaching tools and multimedia demonstration.

Friendly user interface, convenient operating experience, and various subjects' scenes are all outstanding parts of ViewBoard 2.1 software.

- Convenient operation experience. Navigation map is convenient for user positioning page, toolbar mobile with gestures convenient for user demonstration operation.
- Various subject scenes. Different subject is set with different subject scenarios, including English, Math, Chemistry, Physics, and etc. Different subjects provide different teaching tools, and user can apply different subject scenes for teaching according to the current subject.
- Convenient and practical presentation tools. Functions such as screen cover, spotlight, screen zooming, and annotation and etc., which enhances practicality and convenience of the software while inheriting traditional operation habit.
- Actual simulation of soft pen. Soft pen function provides feeling of simulating soft pen, and during writing process, user can present handwriting effect of different degree of thickness according to user's writing speed, to provide users better writing experience.
- Personalized custom settings. Users can customize settings for brush, eraser and canvas background according to need, fully meeting demonstration need from each detail.

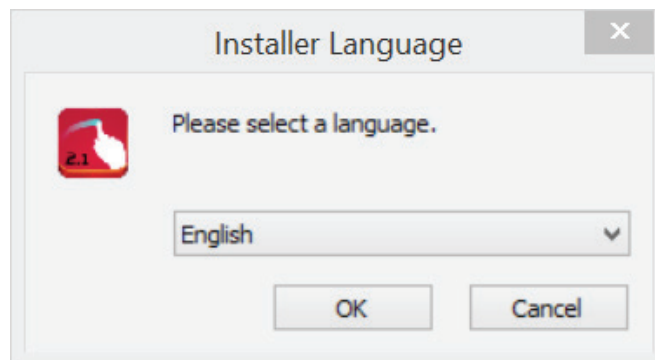
2. Installation Instructions

2.1 Operating Environment

- Windows 7 / 8 / 8.1 / 10 system
- Flash Player 10 or above
- .Net Framework 4.0 and later versions
- Microsoft Media 10.0 or above
- Microsoft Office 2007 and later versions

2.2 Software Installation

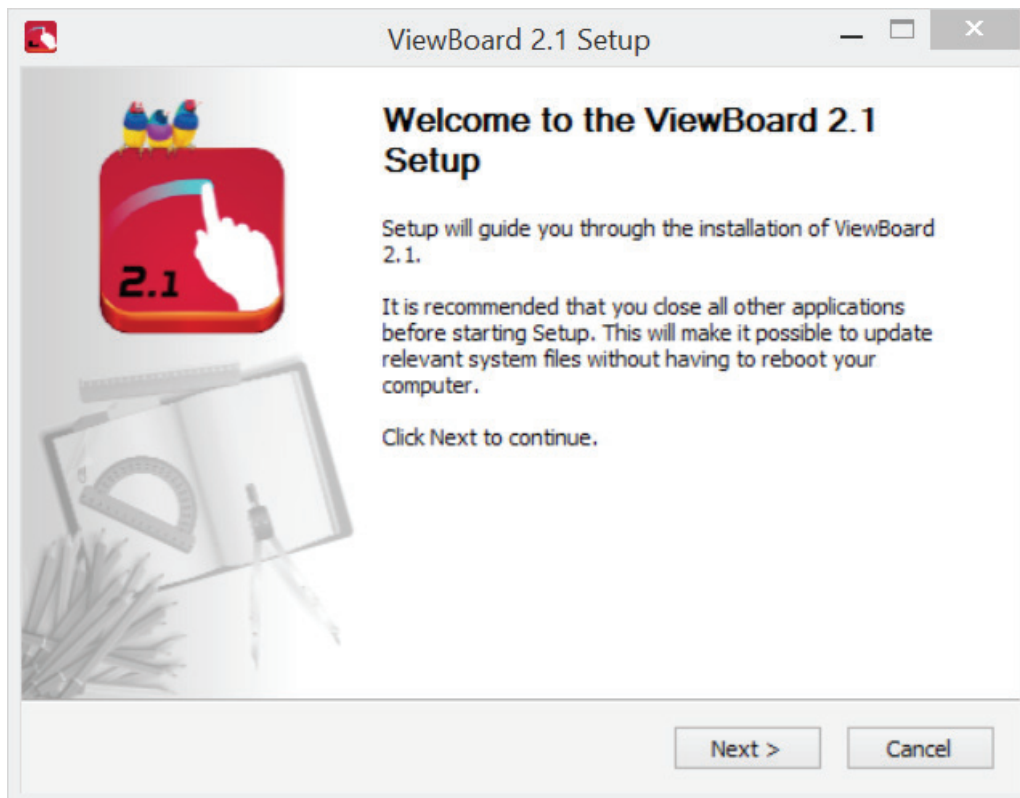
1. Select **ViewBoard 2.1.exe** – the application software installer. Double-click on the installer icon and a pop-up language selection dialogue box will appear.



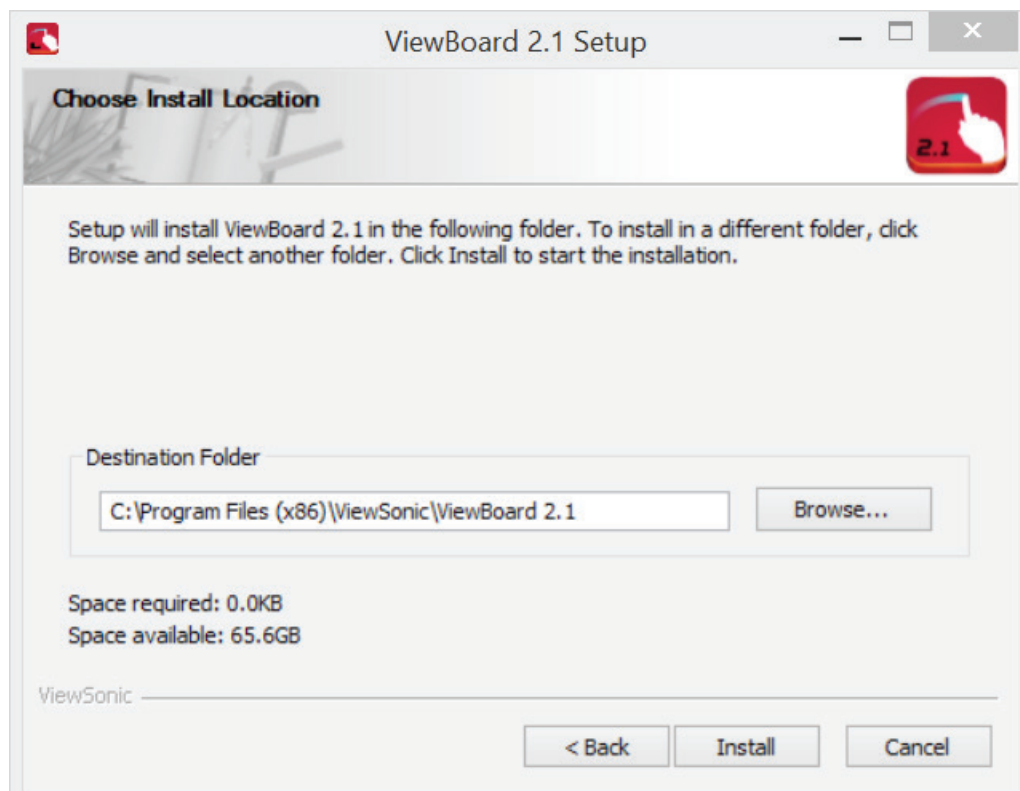
2. Select your language then click **OK** to begin extracting the software.

3. After the software is extracted, a pop-up screen will prompt you to continue.

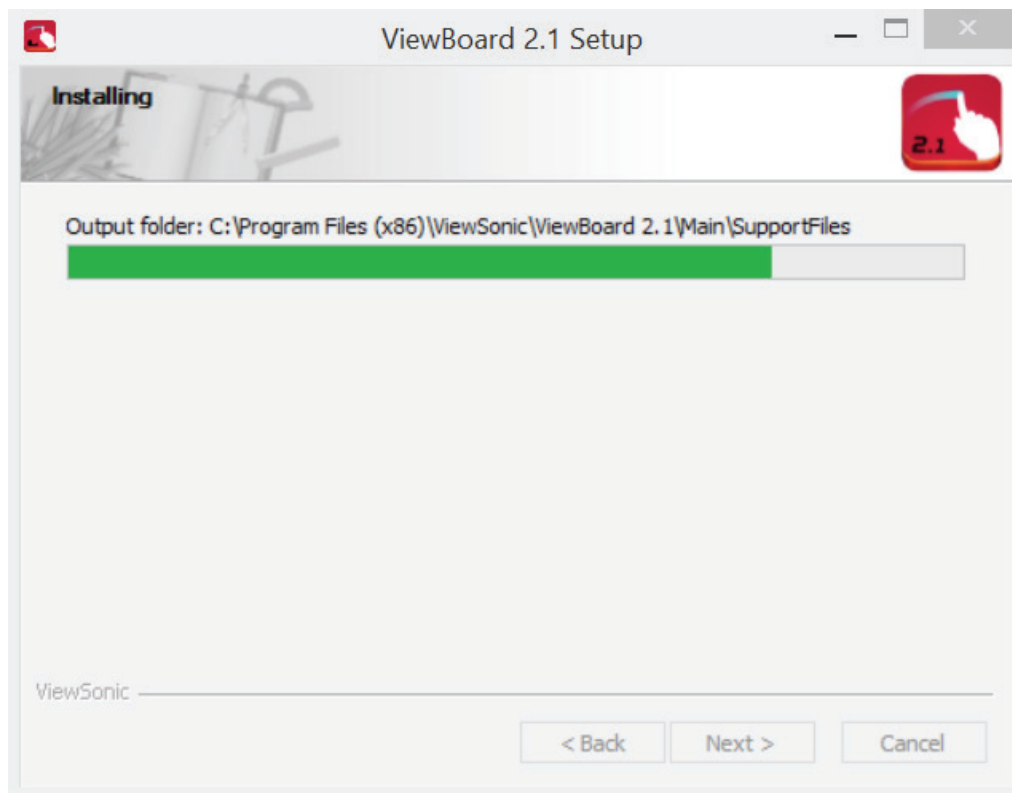
Click **Next** to continue with the installation.



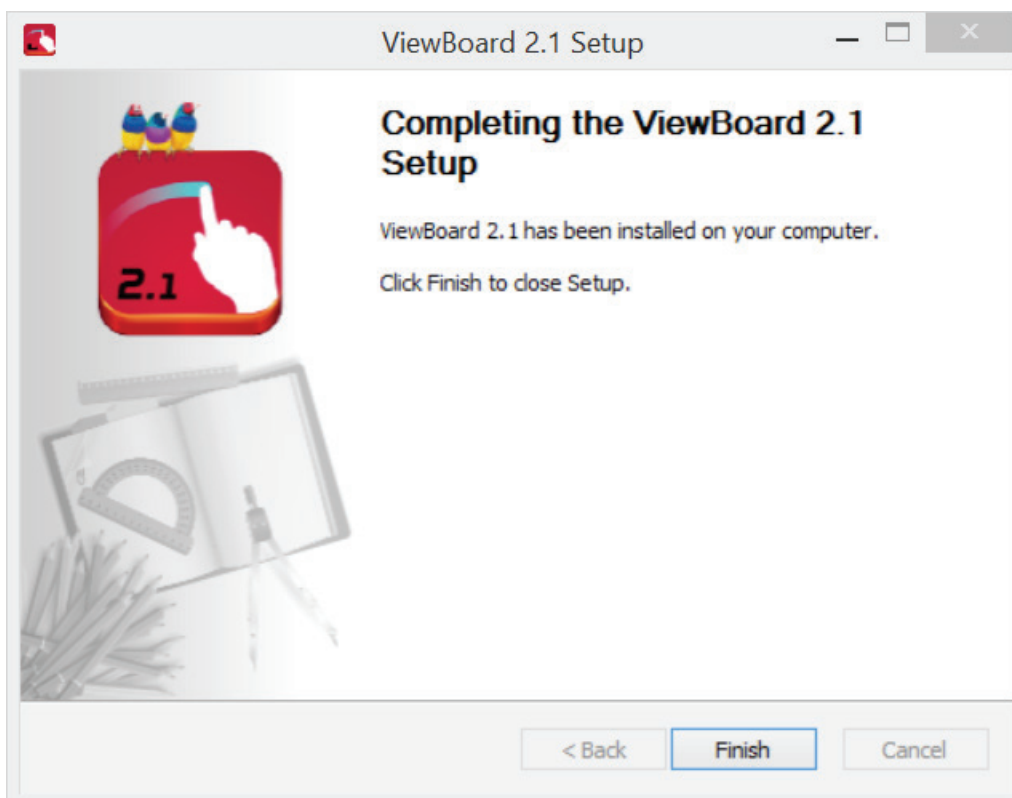
4. Click **Next** to begin installing the software, or click **Change** to choose a different destination folder path.




5. Click “Install” to enter to the install interface.



6. Once the “Installation Finished” screen appears, click **Finish** to exit the installation process.

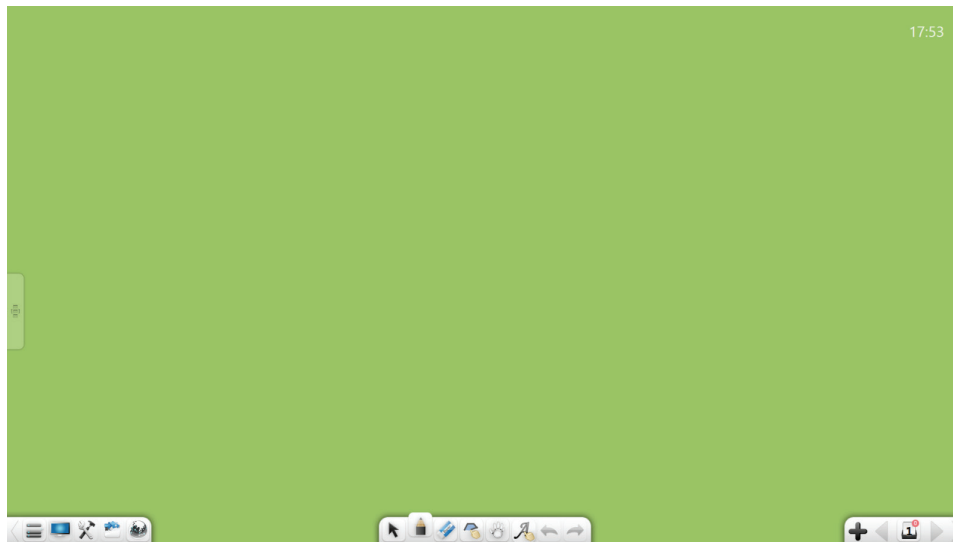


3. Using ViewBoard 2.1 Software

To start up the application, double-click the  icon on the desktop screen or selecting ViewBoard 2.1 from the **Programs** drop-down list in the **Start** menu.

3.1 Screen Layout

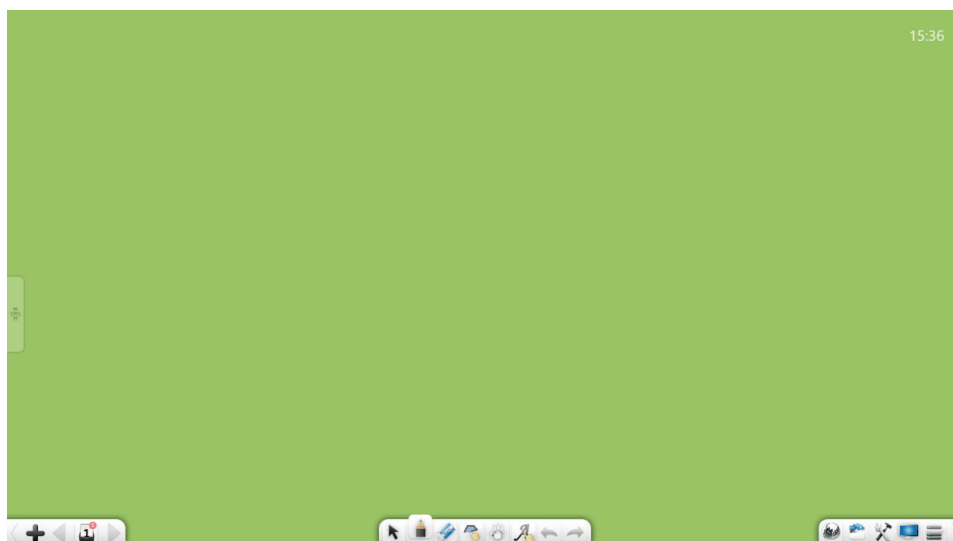
In ViewBoard 2.1 interface, current time information will be shown on right upper side.



3.1.1 Toolbar

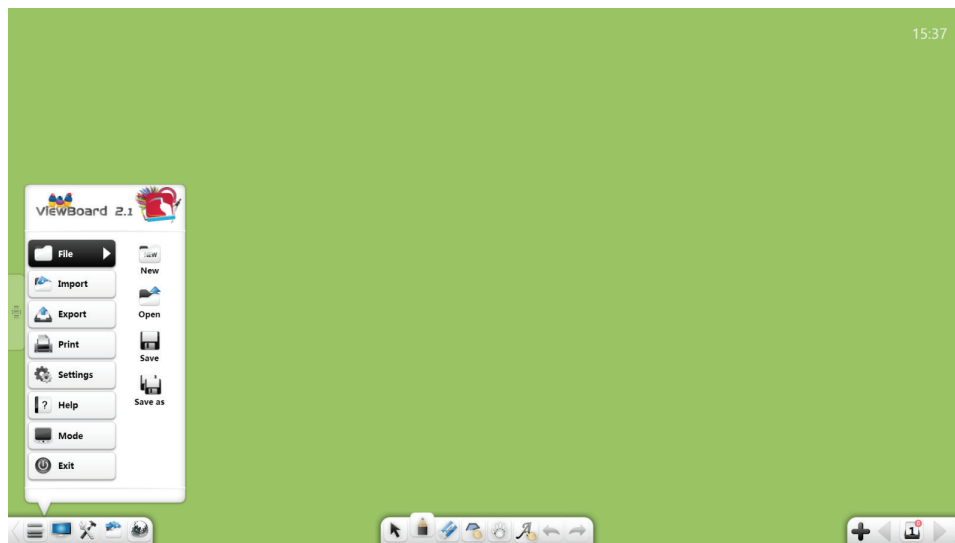
The toolbar functions from left to right are: Menu, Desktop, Toolbox, Resource Bank, Web browser, Select, Pens, Erasers, Shape, Cruise(Magnify, Minify, Rest), Handwriting, Undo, Redo, New Page, Pre Page, Thumbnails and Next Page.


- Toolbar switching: Click  or  icon to switch the toolbar location.








3.1.1.1 Menu


Click to pop up drop-down menu. Drop-down menu provides users with function options such as File, Import, Export, Print, Settings, Help, Mode and Exit.



(1) **File:** Click  to display a sub-menu where the items New, Open, Save and Save As are available.

- **New:** Click  icon to create a new file.
- **Open:** Click  icon to open .enb format file.
- **Save:** Click  icon to save current document as software supported .enb format file.
- **Save as:** Click  icon to save current document as software supported .enb format file.

(2) **Import:** Click  to display a sub-menu, where you can import file, text, handwriting, clipboard and general material to the current page.


- **File:** Click  to display the file selection window. You can select an image, video, audio, flash, PDF document, TXT document, Office document, or Note courseware. In preparation mode, you can drag images, videos, audios, flashes, and PDF, TXT, Office, or ViewBoard files to the software interface.

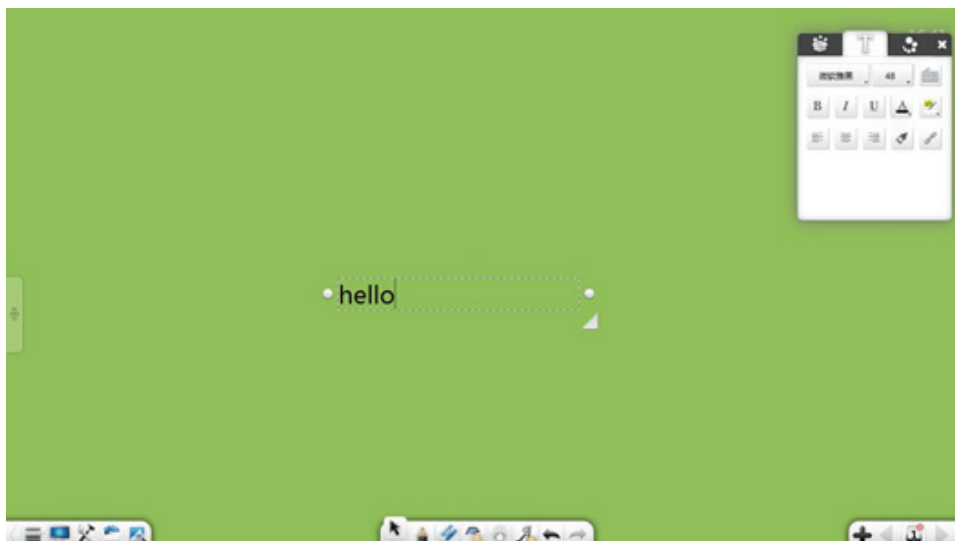
i. File types:


- a Image files: *.bpm, *.jpg, *.jpeg, *.png, *.ico, *.cur, and *.gif.
- b Video files: *.wmv, *.avi, *.mp4, *.rmvb, *.rm, *.mov, *.flv, *.f4v, *.asf, *.mpg, *.3gp, *.mkv, *.mpeg, *.ts, and *.vob.
- c Audio files: *.wav, *.wma, *.mp3, and *.mid.
- d Flashes: *.swf.
- e PDF files: *.pdf.
- f TXT files: *.txt.
- g Office files: *.ppt, *.pptx.
- h Note files: *.enb.


ii. Import PPT file:

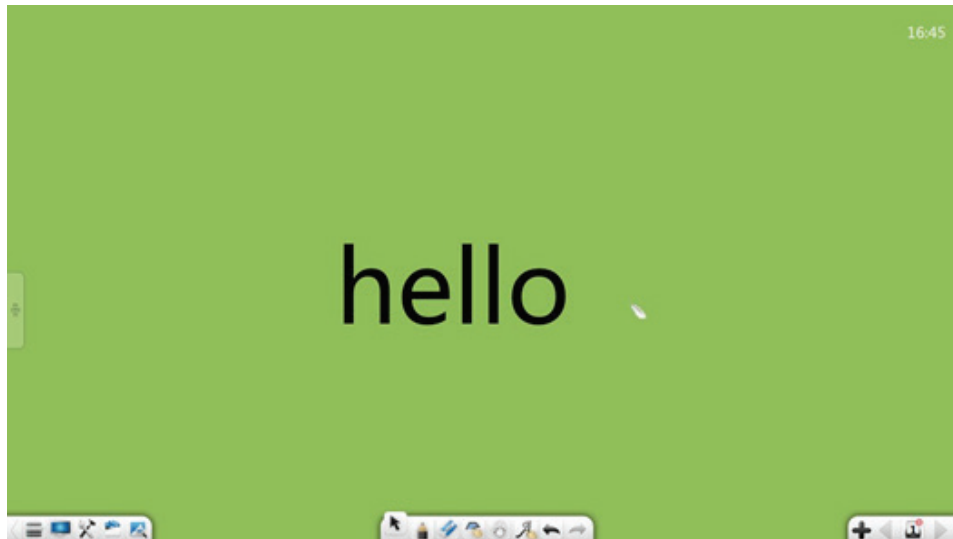
When you import a PPT file, the original PPT will open a separate window. If the option Enable the PPT presentation tool is selected, the presentation tool bar will be shown lower center side.


- **Text:** Click  to open the text editing box. Key in characters through the keyboard on the toolbar or the keyboard of the PC.




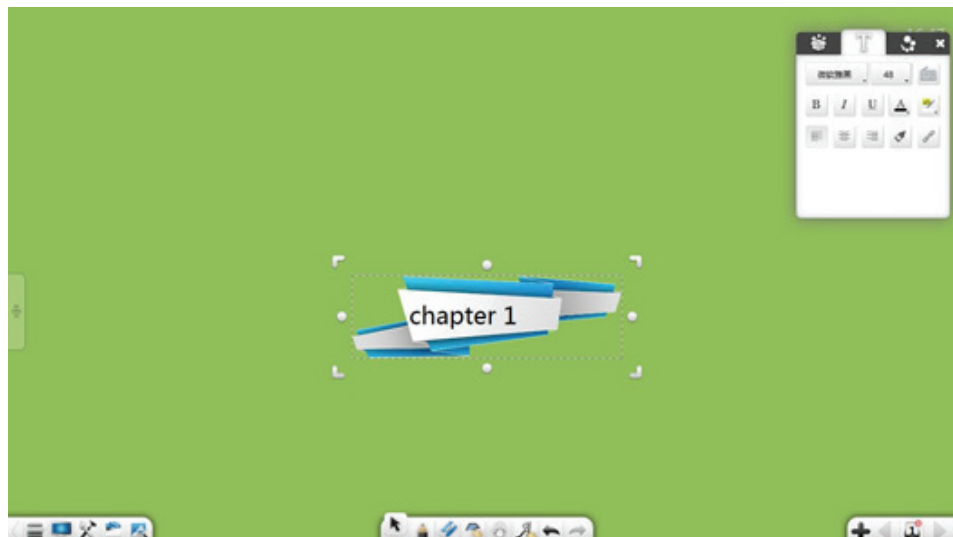
Format painter: Click  to start the format painter. Select a part of the text, click the format painter, and select another part of the text. Then the second part will be in the same format as the first part


- **Handwriting:** Click  to enable the handwriting recognition function and a quill-pen is displayed. After writing on the page, the handwriting is automatically recognized and displayed on the page.




- **Clipboard:** Click  to paste the printed screen, cut or copied object to the current page.

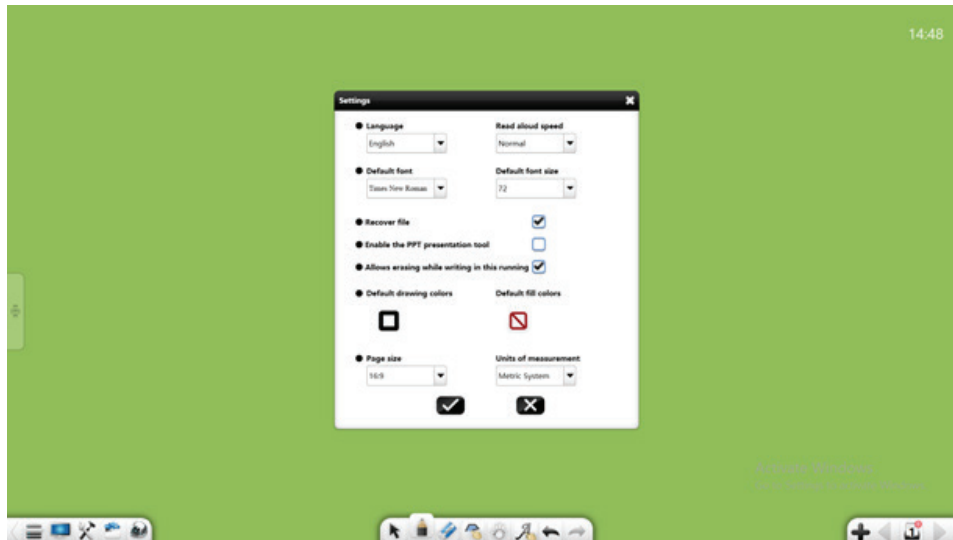
- **Material:** Click  to access the general material editor. Click a material to insert it into the page. The text editing interface is automatically displayed. You can edit the text and use it as a sub-title.







- (3) **Export:** Click  to display a sub-menu. You can export the current file as a image (*.jpg), Word (*.docx), PPT (*.pptx), or PDF (*.pdf) file.


- (4) **Print:** Click  to print the current document.

- (5) **Settings:** Click  icon to open ViewBoard 2.1 settings window. The window includes Language, Read aloud speed, Default font and size, Default drawing colors, Default fill colors, page size, units of measurement, whether to recover the file closed accidentally, whether to enable PPT presentation tool and whether to allow erasing while writing in this running.

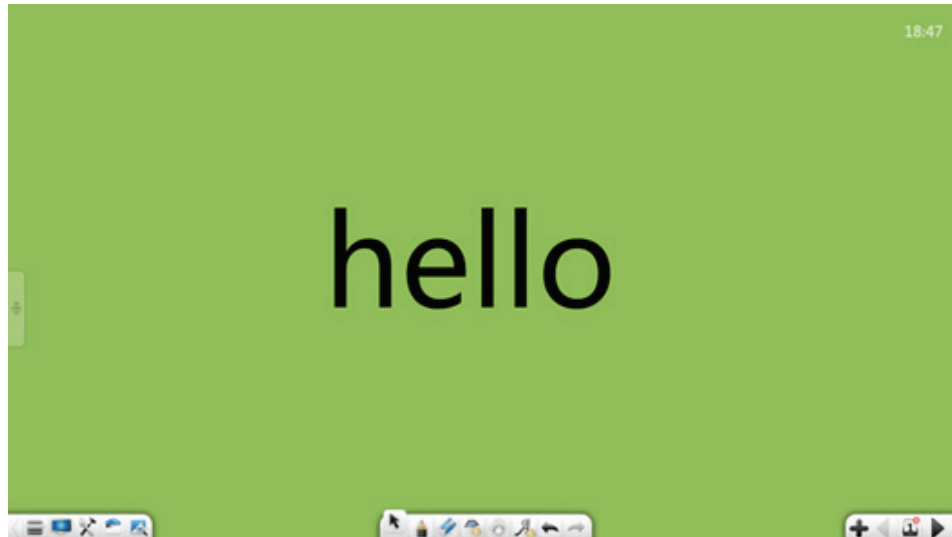


- (6) **Help:** Click  to display a sub-menu, where the items Usage manual, Activate/Deactivate, About, and Contact Us are available.

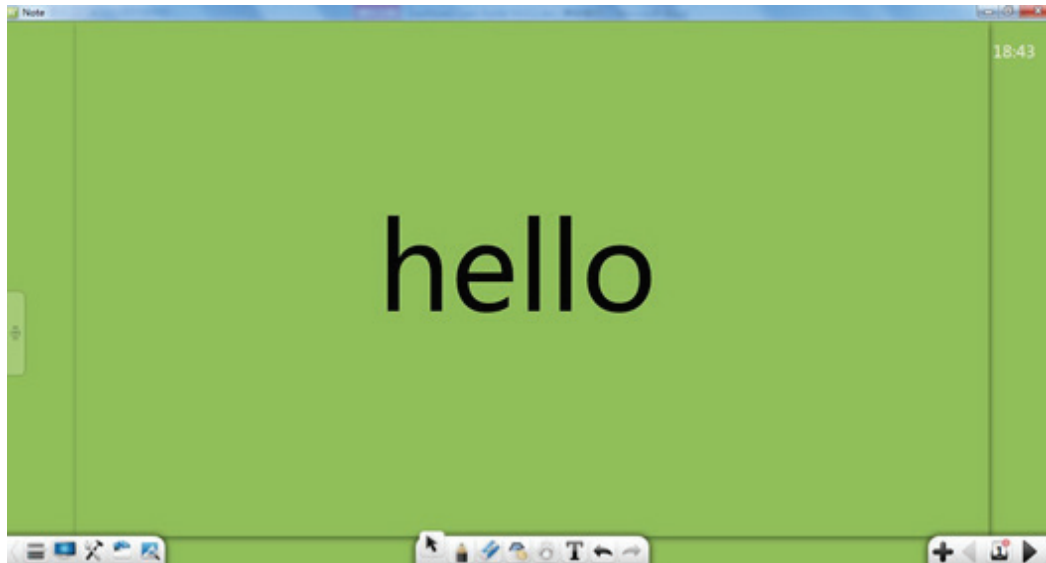
- Click  icon to popup Flash version's ViewBoard 2.1 user manual.
- Click  to register ViewBoard 2.1.(If the PC has connected with ViewSonic's smart white board, user don't need to register anymore).
- Click  to check ViewBoard 2.1 information.

(7) **Mode:** Click  to display a sub-menu, where you can change the display mode to presenting, preparation and desktop.

- **Presenting Mode:** In the Presenting mode, the pages are displayed in full screen, and the toolbar is suspended at the bottom of the screen. The options on the toolbar from left to right include: Menu, Desktop, Toolbox, Resource Bank, Web browser, Select, Pens, Erasers, Shape, Cruise(Magnify, Minify, Rest), Handwriting, Undo, Redo, New Page, Pre Page, Thumbnails and Next Page.



- **Preparation Mode:** In preparation mode, you can resize the window and adjust the display proportion. Other functions are the same as those in Presenting mode.




Note:

1. In preparation mode, the text editing function is available on the toolbar.
 2. You can edit hyperlinks and animation effects only in preparation mode.
- **Desktop Mode:** In the desktop mode, only the following functions are available: mouse operations, pen, eraser, tools, and returning to the Viewboard interface.

(8) **Exit:** Click  to exit and close ViewBoard 2.1.

3.1.1.2 Switch to Desktop Mode

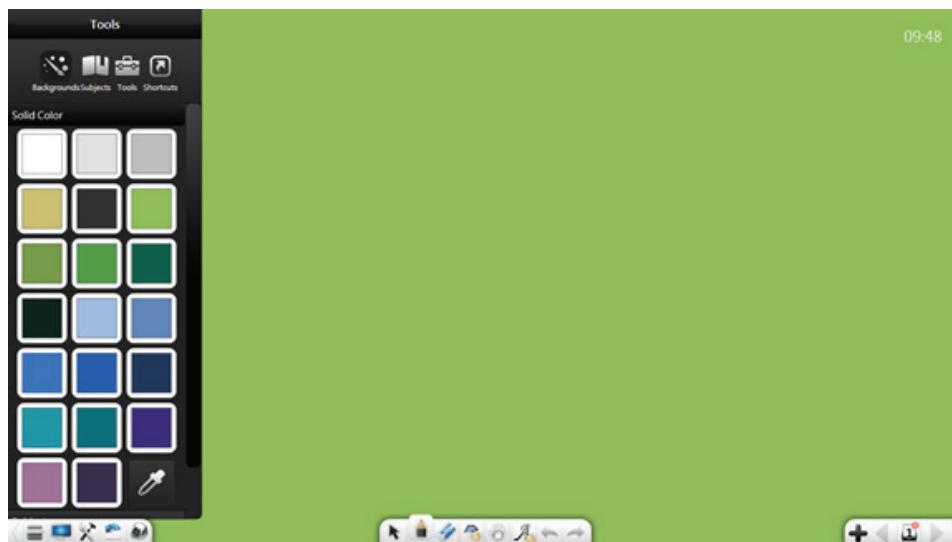
Click  to switch to desktop mode, see 3.1.2 Desktop Mode for details.

3.1.1.3 Tools

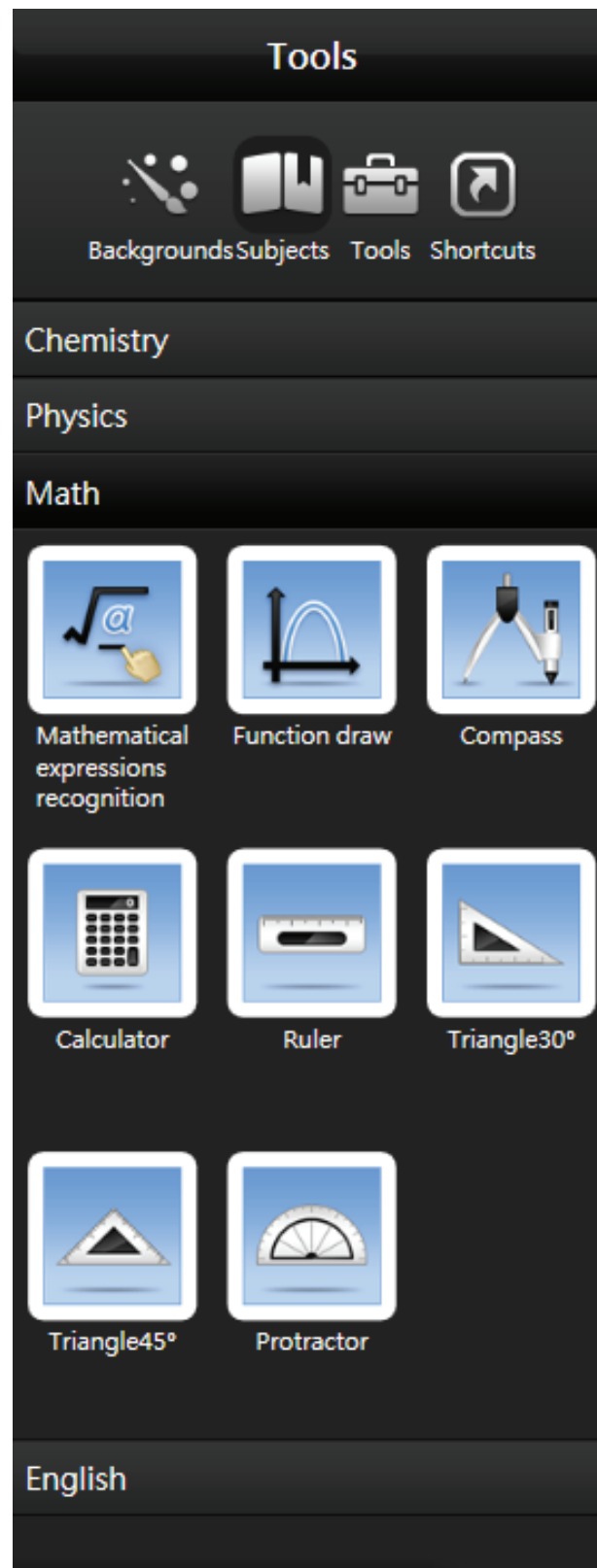
Click to pop up Treasure Box, including Backgrounds, Subjects, Tools and Shortcuts.



(1) **Backgrounds:** There are 4 types for selection.







(2) **Subjects:** There are 4 objects for selection.

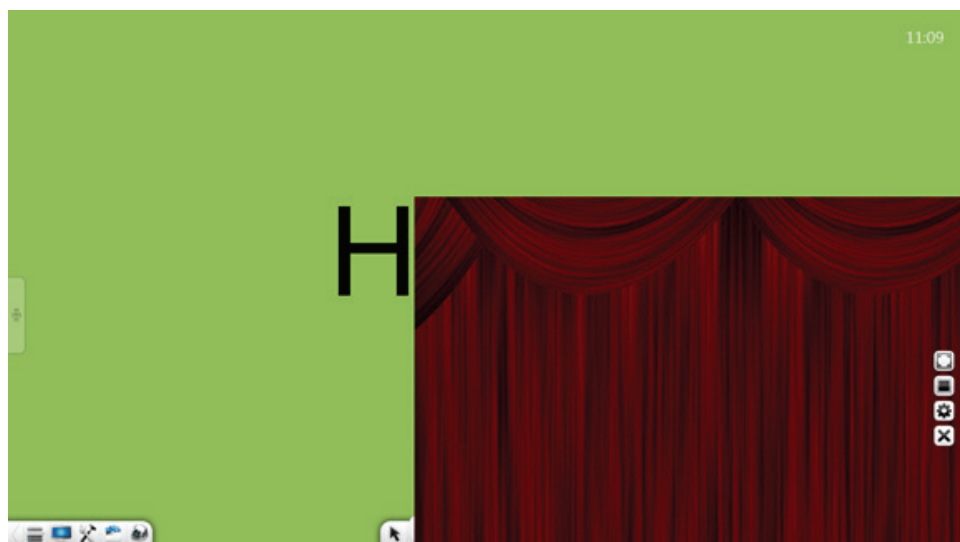



(3) Mini Tools

- **Magnifier:** Click  to open magnifier. Click  to set zooming ratio.







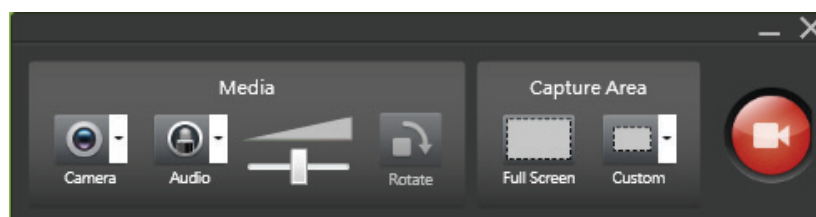
- **Screen Wrap:** Click  to open screen wrap tools. When the curtain is moved or rectangle is specified, it will appear  icon, and clicking this icon will reset curtain full screen. Click  to customize curtain size. Click  to select local image as the curtain.



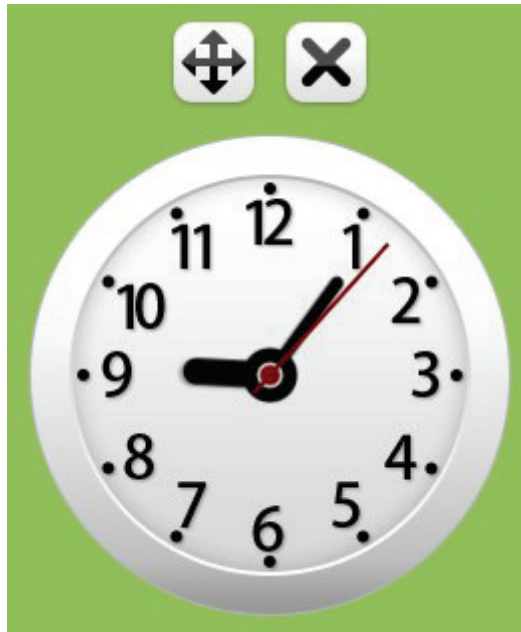
- **Spotlight:** Click  to open spotlight. Spotlight can be used to shift focus of the audience to emphasized position.



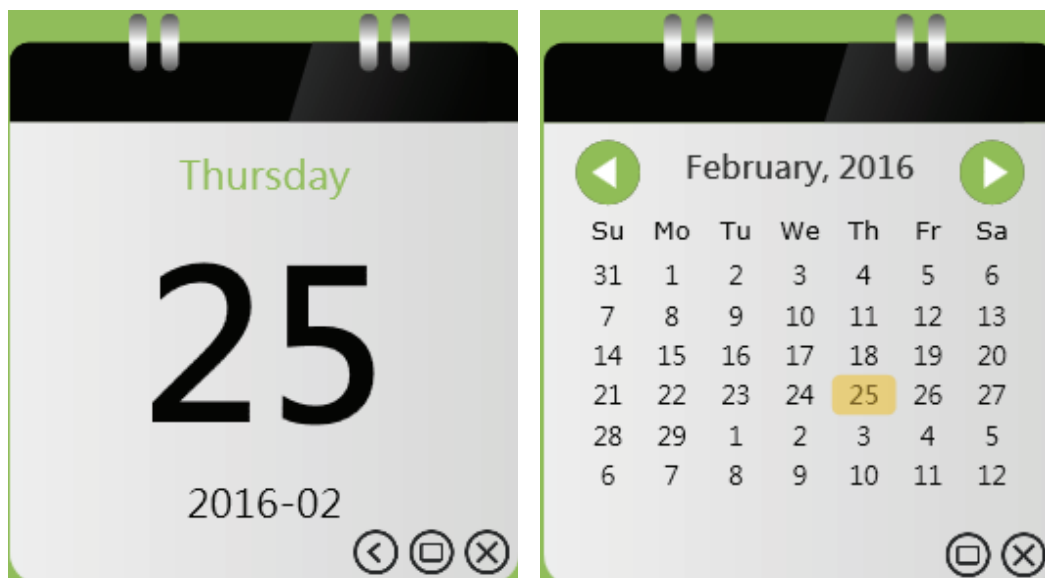
- ① Drag the black area can move position of the spotlights emphasized.
 - ② Click edge of spotlights to adjust its scope.
 - ③ Click  to change spotlight shape into rectangular, and click  to change spotlight scope back into circular.
 - ④ Click  to set transparency.
- **Screen Camera:** Click  to open screen camera tools. Buttons from left to right are Camera On/Off, Audio On/Off, Volume, Camera image rotation, Screen capture area and Start/Stop buttons. Recorded video is saved as mp4 format, click play button to play the video file that just recorded after saved.









- **Clock:** Click  to open the clock.




- **Calendar:** Click  to open calendar.

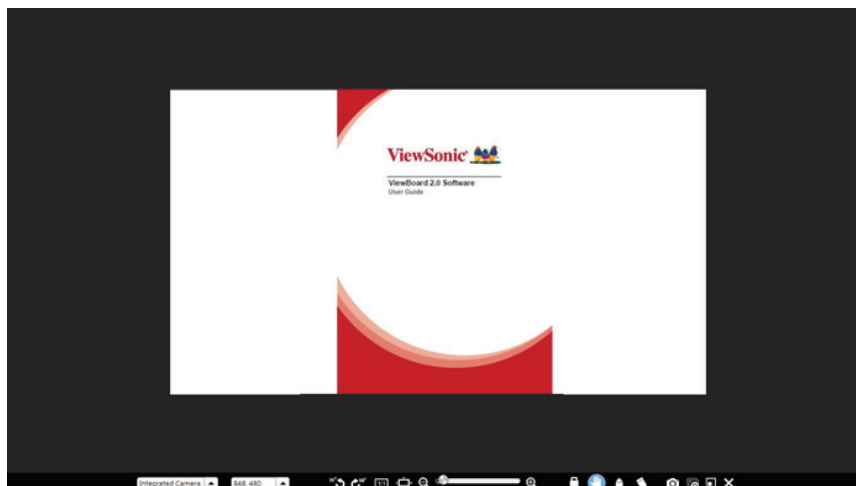








Click  to open the month view, click  /  to enlarge/reduce the calendar.








- **Timer:** Click  to open the timer. By default, the timer number starts from 00:00:00, click  to set countdown time and click  to edit hyperlink.



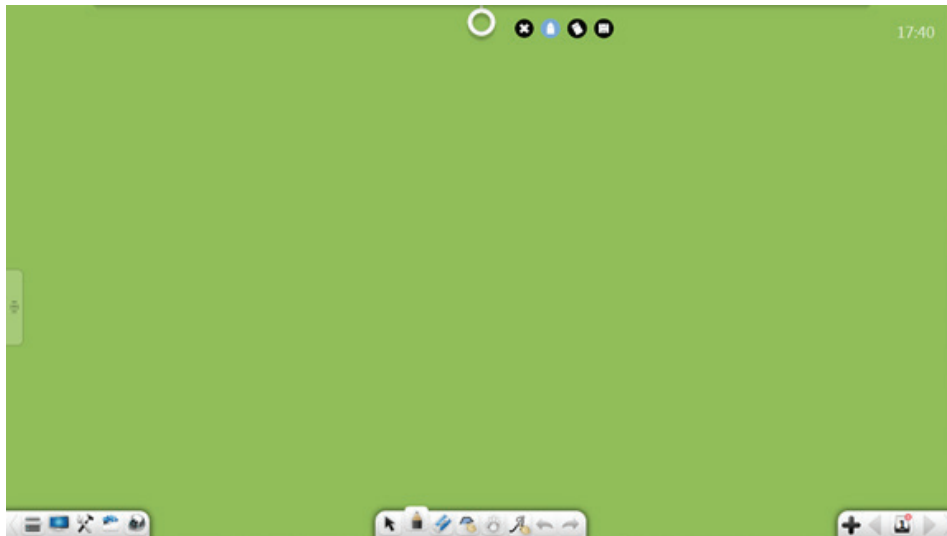
- **Document camera:** Click  to open document camera, which can realize display, lock screen, rotate 90° left and right, full screen, return to actual size, screenshot, scaling, movement, notation, return, and shut down operations.



- ① Click  to lock current displaying object of physical booth, click again to unlock.
- ② Click  to rotate counterclockwise.
- ③ Click  to rotate clockwise.
- ④ Click  to display in actual ratio.
- ⑤ Click  to display in full screen;
- ⑥ Click  to shot current object into image and demonstrate in ViewBoard interface. The picture after shooting will be automatically uploaded to main page. If you need to continue to use physical booth, it needs to re-open the tools;





- ⑦ Click  to zoom in/out.
- ⑧ Click  to move the object.
- ⑨ Click  to make comments on current object, click to switch colors, including red, green, green, orange, black and blue.
- ⑩ Click  to erase handwriting.
- ⑪ Click  to view multi zone display.
- ⑫ Click  return to standard mode.
- ⑬ Click  to close the tool.

- **Writing board:** Click  to open the function.




- ① **Extend whiteboard:** Click white ring on top of page, dragging down the white board. If the whiteboard is dragged half distance of page, the white board can fix to the current position; If the whiteboard is dragged to a distance of less than half page, whiteboard will retract automatically, but will not close the function.

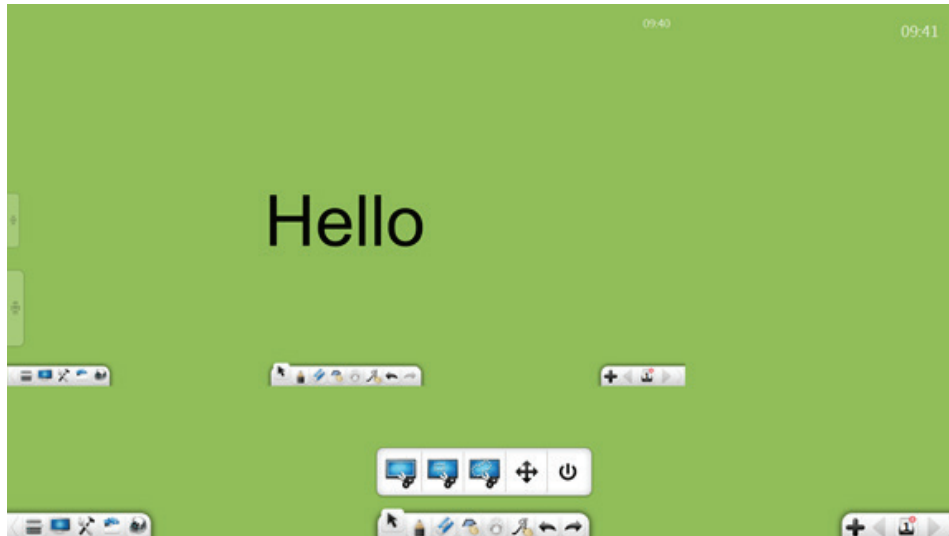



- ② **Writing:** Click  to write on whiteboard. The handwriting's thickness cannot be changed.
- ③ **Eraser:** Click  to erase handwriting as required.
- ④ **Save:** Click  to save the handwriting of current board panel as JPG format image.
- ⑤ **Close:** Click  to close board-in-board.

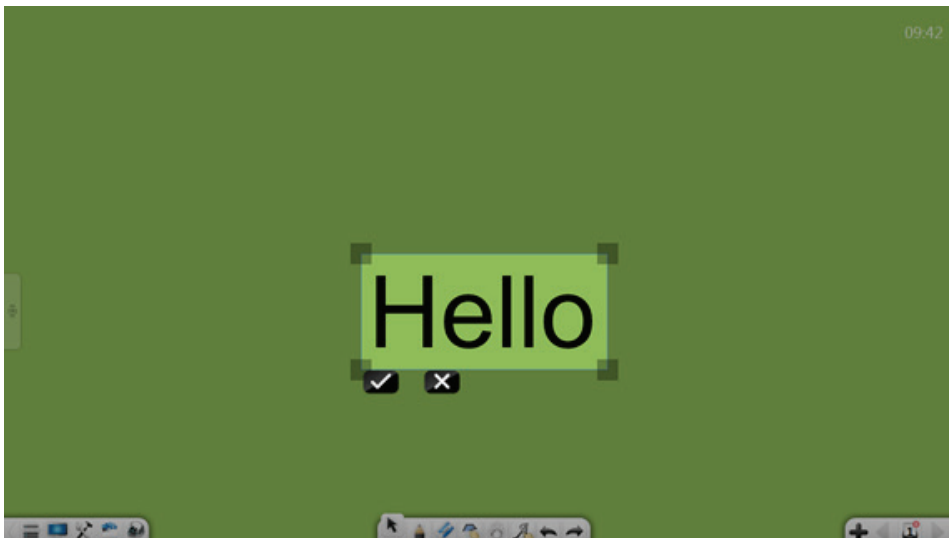
- **Screenshot:** Click  to open screenshot tools.





- ① Click  directly for full screen screenshot, after clicking this button, it will automatically screenshot full-screen, and insert to current page as image.




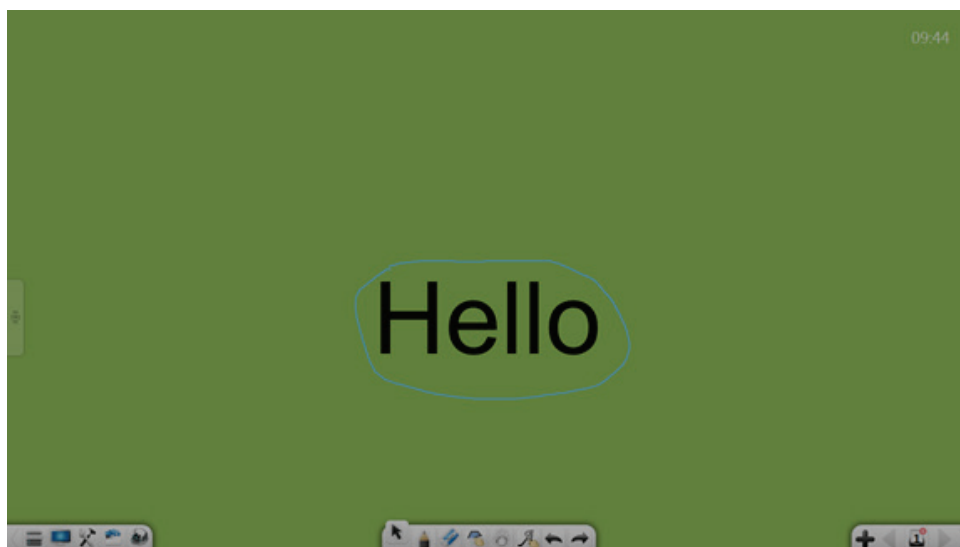
- ② Click  and drag a rectangle on page. It can arbitrarily adjust position and shape of the rectangular.






Click  to insert screenshot into the page. Click  to cancel screenshot.



- ③ Click  to perform arbitrary free screenshot. Arbitrarily select required screenshot object. And screenshot will be automatically inserted into the page.





- ④ Click and hold  to move the tool bar.
- ⑤ Click  to close screenshot tools.

- **Browser:** Click  button to open the browser, the default home page is <http://www.google.com>. The user can use this browser search and browse the resources.



(4) Shortcut

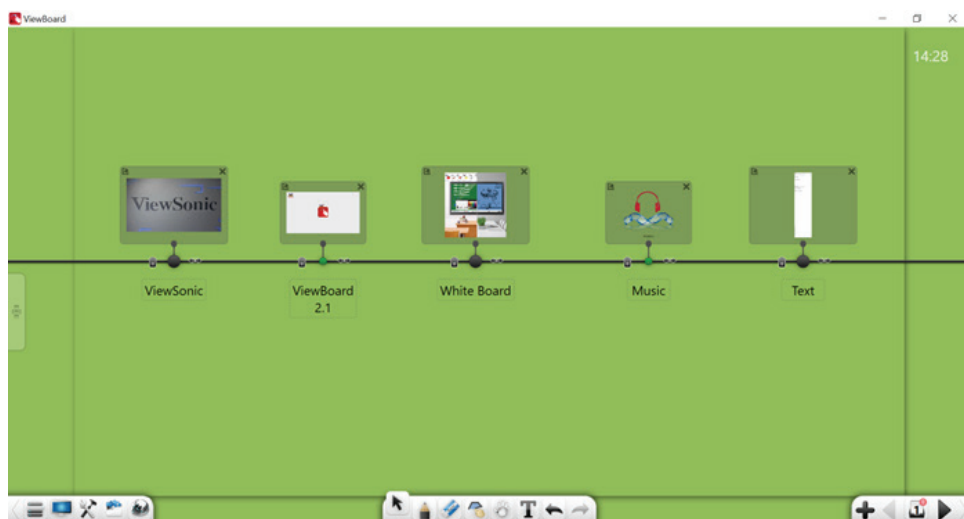
Click the button  to switch to the shortcut management interface, click the "Edit" button in the lower right, the user can add or delete shortcuts. Click the added shortcut, the user can quickly open the file.





- **Mind map:** Click  to display a mind map.










(1) Editing

When the software under the preparation mode, you can edit the mind map.

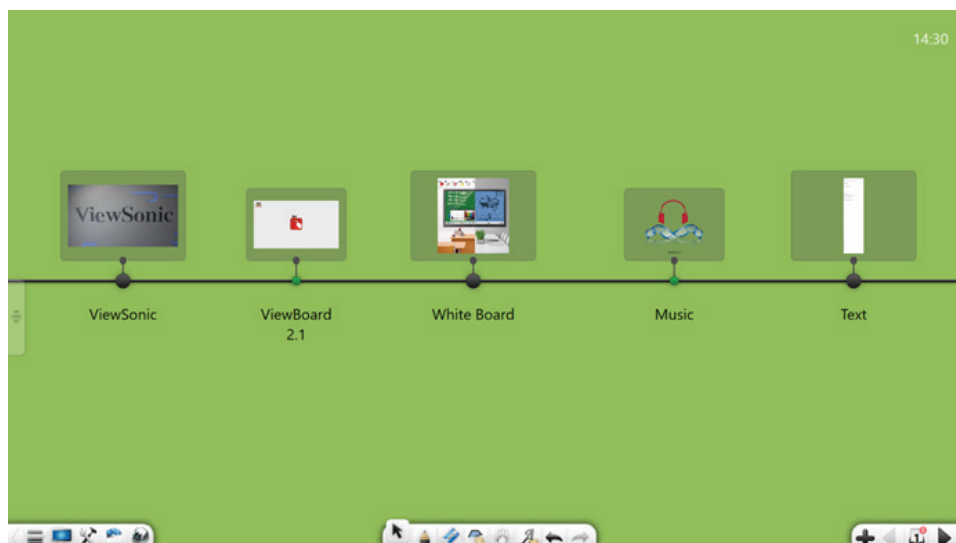


- ① **Add nodes:** The button  appears while moving the mouse to the line of the mind map, you can click the button to add nodes. Click  to add big node. Click  to add small node.
- ② **Add materials: You can add materials in two ways:**
 - a) Select a material (including texts, pictures, audios, and videos) and drag it to the specified node box. The selected material will then be added to this node.
 - b) Click  in a node box to display the box for selecting local resource materials. Select a material (text, picture, audio, or video) and click Open to add the material to this node.

- ③ **Export materials:** Click  in the upper left corner of the node box to export the materials of this node to the page.
- ④ **Delete materials:** Click  in the upper right corner of the node box to delete the materials of this node.
- ⑤ **Delete nodes:** Click  on the left of a node to delete the node.
- ⑥ **Move nodes:** Click and drag  or  to move the corresponding node leftwards or rightwards.
- ⑦ **Move nodes partially:** Click and drag  on the right of a node to move this node and all nodes on its right side.
- ⑧ **Move nodes wholly:** Click and drag the guide axis to move all nodes on the axis leftwards or rightwards.
- ⑨ **Name nodes:** Enter characters in the text box below a node to name this node.
- ⑩ **Preview:** Click the material of a node to display the preview interface. The hyperlink function in editing mode is different from that in play mode. Other functions are the same. For details, see the description below.
Hyperlink: If you preview materials in editing mode, click  to set a hyperlink for the node.







(2) Play

When the Software under the Presenting mode, you can play the mind map.




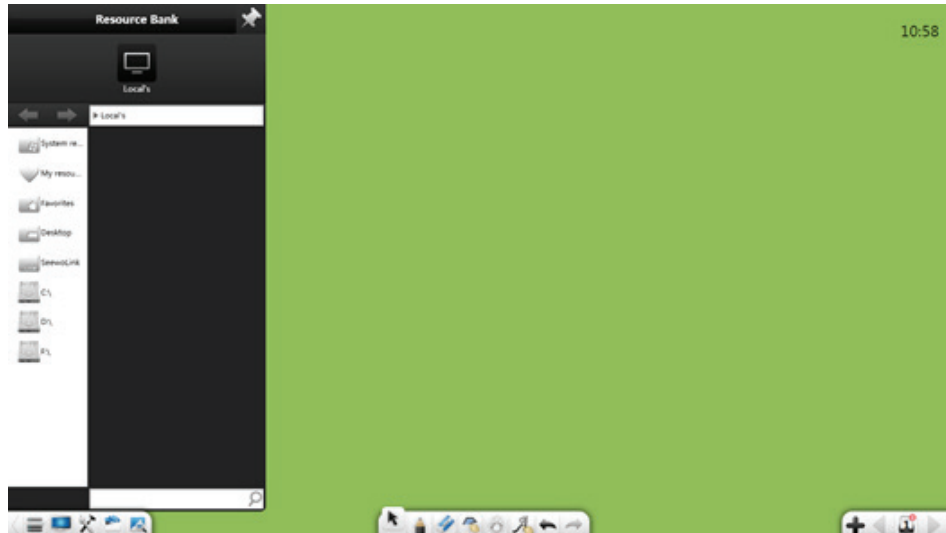
- ① **Move the guide axis:** Click and drag the guide axis to move all nodes on the axis.
- ② **Play:** Click a picture or text material. The material window is displayed.












- a) **Mouse:** Click  to exit the writing mode.
- b) **Comment:** Click  to add a comment to the material.
- c) **Erase:** Click  to erase the comment added to the material.
- d) **Maximize:** Click  to maximize the material.
- e) **Hyperlink:** Click  to access the contents to which the hyperlink links.
- f) **Close:** Click  in the lower right corner to close the current play window.
- g) **Zoom:** On a touchscreen device, you can tap on two points concurrently to zoom in or out the material.

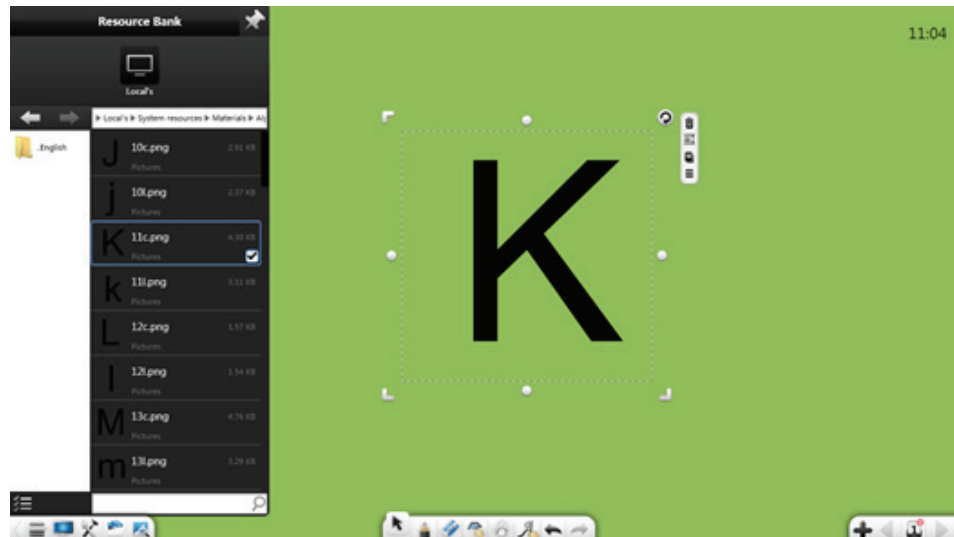
3.1.1.4 Resource Bank


Click  to pop up Resource Bank. "My Computer" is the default. In state of unlocking Resource Bank, during operation of dragging resources to page, Resource Bank will be hidden automatically.




- **My computer:** Click  to browse computer disk resources. User can browse each disk and position to target demonstration folder →select demonstration resources required (handwriting, image, Flash, audio and video, etc.) →double click or drag resources to page for demonstration. Click  or  then user can select folder forward or backward. Click  to lock the current folder. Before unlocking, it is unable to operate other folders under the root directory, but it can operate other root directories, which means, my computer, My resources, desktop are locked without any links, with locking limited to each part. Click  to select all resources under the current directory. In My Resources, click  to delete the selected resource. On any drive of the computer, click  on the address bar to add the navigation path of the current folder to the favorites folder. Then you can browse files in the favorites folder. Input resource name, and click  to search related resources in the current folder.




- **System Resource:** Click  to browse system resource. After installed the supported resource bank, the user can browse and locate to the required presentation grade disciplines folder→select demo resources→double-click or drag resources to demo page.



- **My Resource:** Click  to browse resources that user adds to the repository on the page. If the user has added handwriting, written text, image, Flash, audio and video resources to particular folder of Resource Bank, the user can call put collected resources at any time through “My resources”.




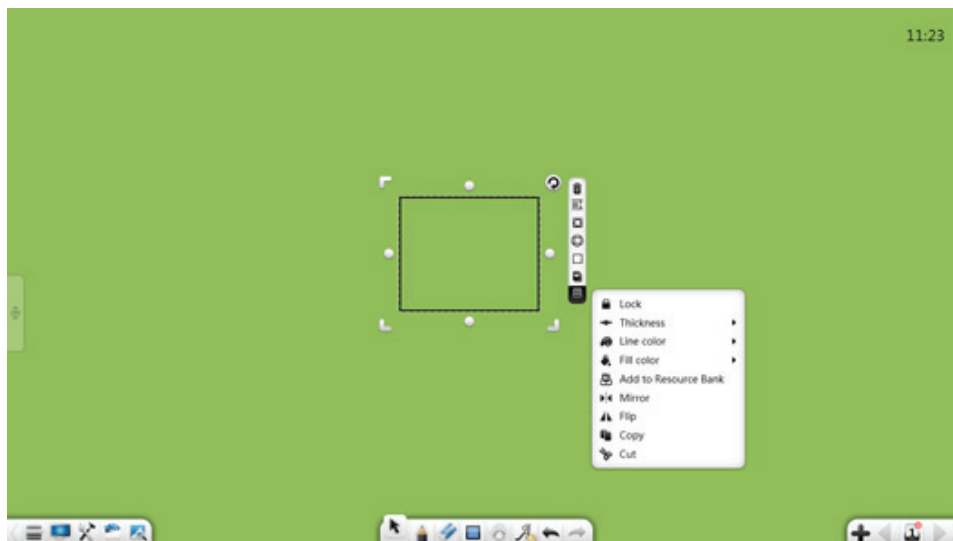
Click  to create new folder in "My resources", the new folder can be renamed, but the default folder cannot be renamed.

- **Favorite:** Click  to fast browse favorite resources. User can add the folder path that needs to be collected to the favorites, which include my desktop path, and the recent 15 records. This function is only effective to "My computer" and "My resources", and only when there is resource in the current path can it be added to the favorites.
- **Desktop:** Click  to browse resources on the desktop.
- **Disk Resources:** Click  to browse resources on the disks of the computer.



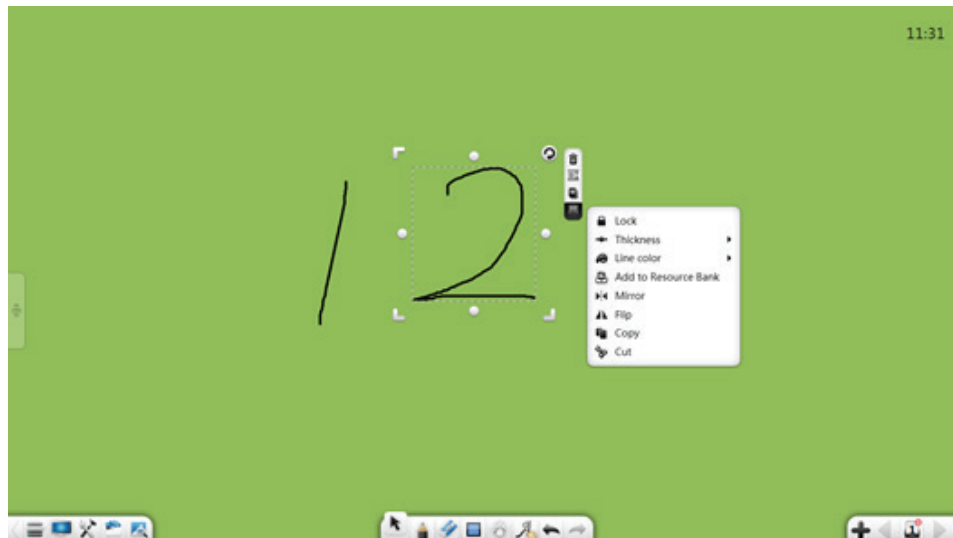
3.1.1.5 Selection












Click  to realize following options by drawing a closed image or click on the selected interface: moving, zooming, revolving, deletion, trimming, editing, taking screenshots of videos or audios, change the object level, setting animation effects, dragging the object to clone it, locking, setting the thickness and color, fill color, grouping (multiple objects), ungrouping, exporting pictures, audios, or videos to the local computer, adding pictures, audios, or videos to the resource library, editing hyperlinks, copy, cutting, pronouncing, and setting graph properties.









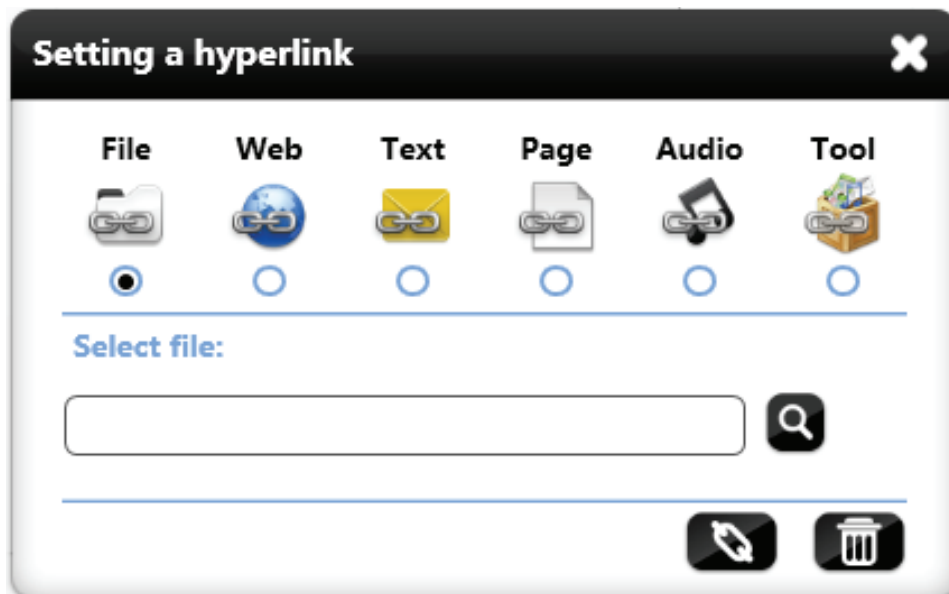
(1) Handwriting

Select handwriting object to conduct operation of selected handwriting as moving, zooming, revolving, deletion, setting the object level, setting animation effects, dragging the object to clone it, locking, setting the thickness and color, grouping (multiple objects), ungrouping, adding the object to the resource library, editing a hyperlink, copy, and cutting.



- Click and drag the selected handwriting to move any position;
- Hold the , , or  icon to realize object uniform scaling zooming operations respectively.
- Hold the  icon on each side to realize object zooming operation in single direction.
- Click  to rotate the currently selected handwriting.
- In multi-touch mode, it can directly realize operations of currently selected handwriting as moving, zooming, rotation and etc.
- Click  to delete currently selected handwriting.
- Click  to enter dragging clone mode.
- Click  will pop up object editing menu.
- Click  to pop up secondary menu, which can set the layer relationship of multiple objects.
- Click  to access the material editing window, or click  in the material editing window to switch to the interface for setting animation effects.

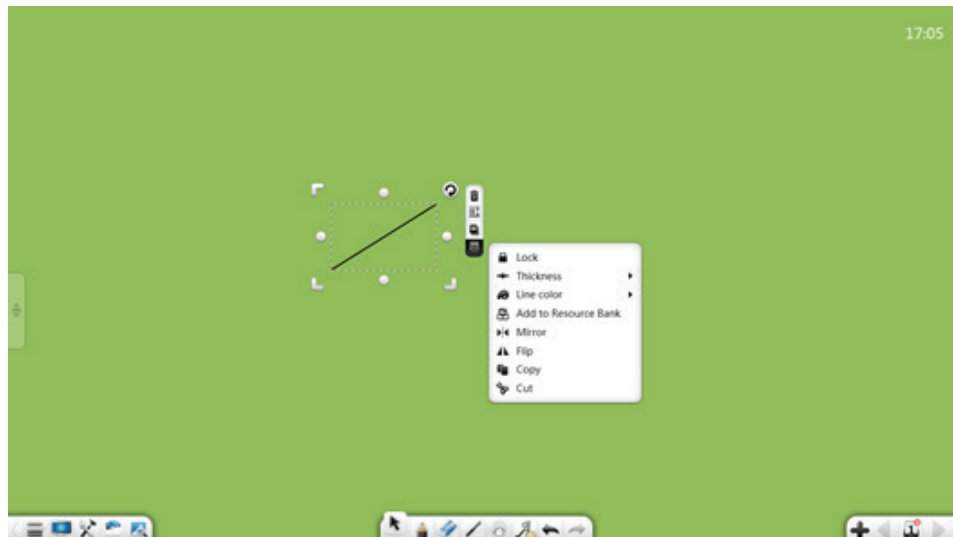
- ① **Lock:** Click the button  to lock the currently selected object. Click the locked button in the upper right corner to unlock.
- ② **Thickness:** Click  to adjust thickness of currently selected handwriting.
- ③ **Line color:** Click  to adjust color of currently selected handwriting.
- ④ **Group:** Click  to combine multiple objects.
- ⑤ **Ungroup:** Click to cancel the current combined objects.
- ⑥ **Add to Resource Bank:** Click  to add currently selected handwriting to Resource Bank;
- ⑦ **Edit hyperlink:** Click  to pop up window, which can create hyperlink for the currently selected handwriting object.



- ⑧ **Mirror:** Click to turn the object of currently selected object vertical up/down, horizontal left/right.
- ⑨ **Flip:** Click to turn the object of currently selected object up/ down or left/ right.
- ⑩ **Copied directly:** Click to copy currently selected handwriting, and paste it to lower right of the object
- ⑪ **Cut:** Click to cut currently selected handwriting.

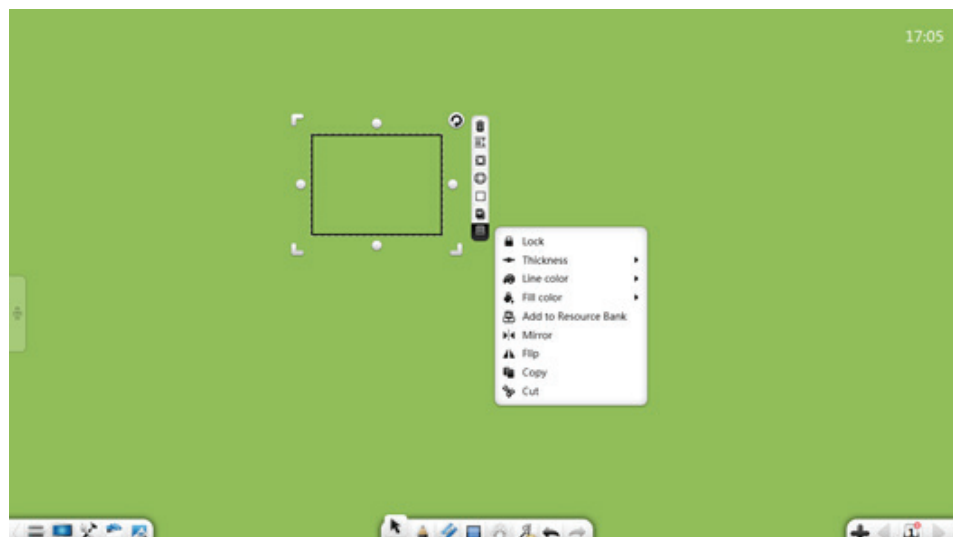
(2) Lines


Select line object to conduct operation of selected line as moving, zooming, revolving, deletion, setting the object level, setting animation effects, dragging the object to clone it, locking, setting the thickness and color, grouping (multiple objects), ungrouping, adding the object to the resource library, editing a hyperlink, copy, and cutting.

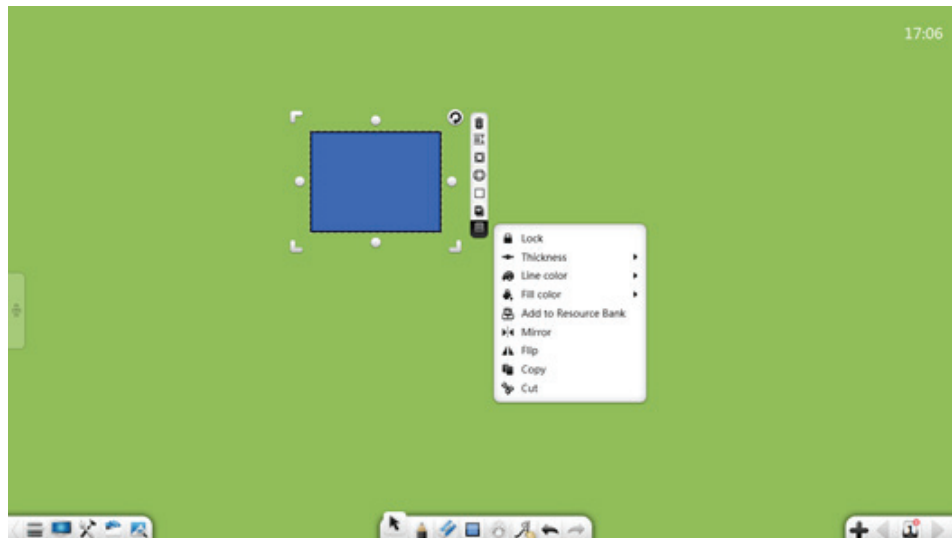


(3) Graphic

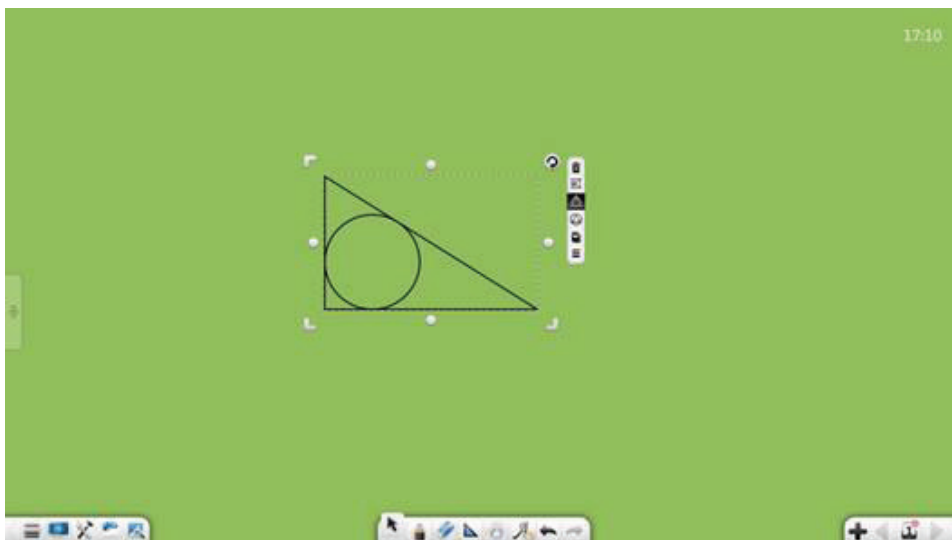
Select graphic object to conduct operation of selected graphic as moving, zooming, revolving, deletion, setting the object level, setting animation effects, dragging the object to clone it, locking, setting the thickness and color, fill color, grouping (multiple objects), ungrouping, adding the object to the resource library, editing a hyperlink, copy, cutting.




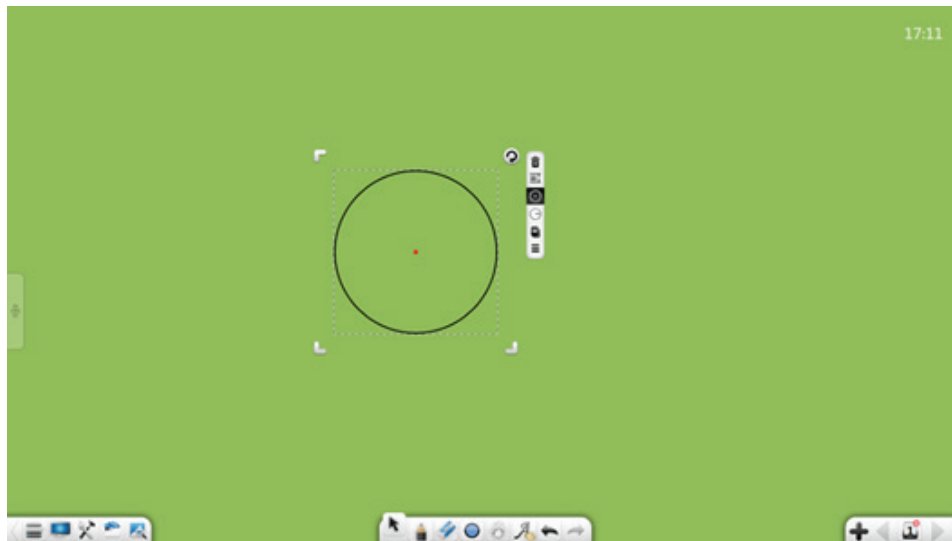
- Click  to fill color for single image.




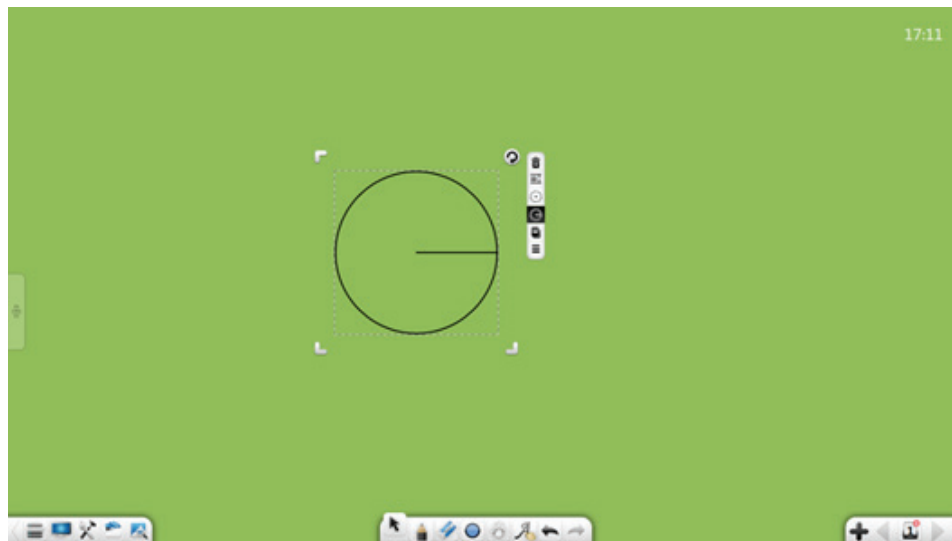
- Click  to set the inscribed circle of the triangle.



- Click  to display the center of the circle.

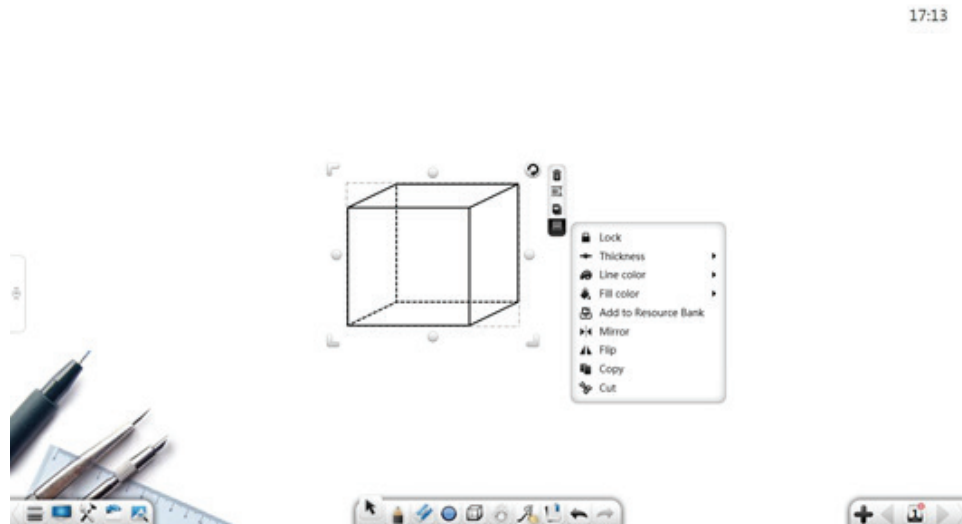


- Click  to display the radius of the circle.



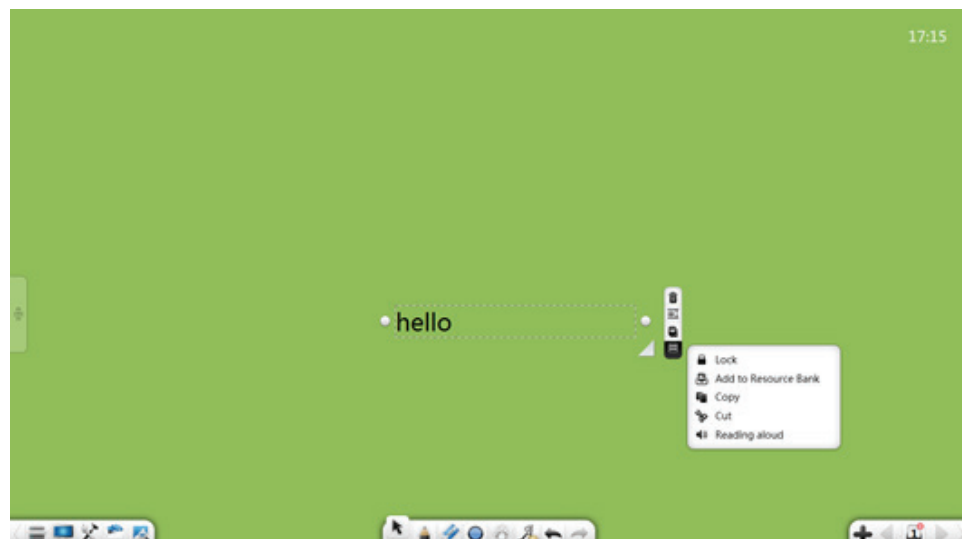
(4) 3D Figure





In Math Mode, select 3D Graphics object to conduct operation of selected 3D figure as moving, zooming, revolving, deletion, setting the object level, setting animation effects, dragging the object to clone it, locking, setting the thickness and color, fill color, grouping (multiple objects), ungrouping, adding the object to the resource library, editing a hyperlink, copy, and cutting.



(5) Text

Select text object to conduct operation of selected text as moving, zooming, revolving, deletion, editing, setting the object level, combining, setting animation effects, dragging the object to clone it, locking, grouping (multiple objects), ungrouping, adding the object to the resource library, editing a hyperlink, copy, cutting, and reading.




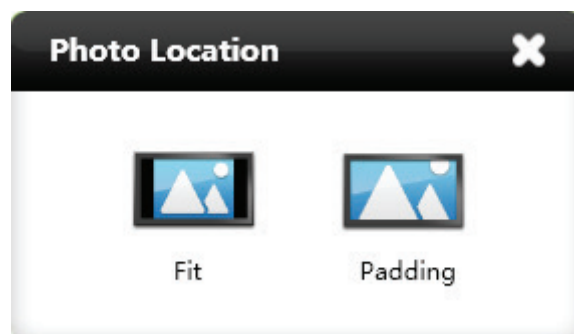
- **Edit text:** Select and click the text to enter the text editing state. You can edit the selected text.
- **Read Aloud:** Click  to read the currently selected text. Under XP, there is no reading function.
- **Merger:** Click  to combine the currently selected two groups (or more than two sets of texts), with the selected text automatic typesetting to the end of the first set of text.
- ① **Keep Source Formatting:** Click  to keep their original text format.
- ② **Combine Formatting:** Click  button, the text formats such as font, size, and color are the same as the first set of text.


(6) Image

Select image object to conduct operation of selected image as moving, zooming, revolving, deletion, trimming, setting the object level, setting animation effects, dragging the object to clone it, locking, grouping (multiple objects), ungrouping, adding the object to the resource library, editing a hyperlink, copy, and cutting.



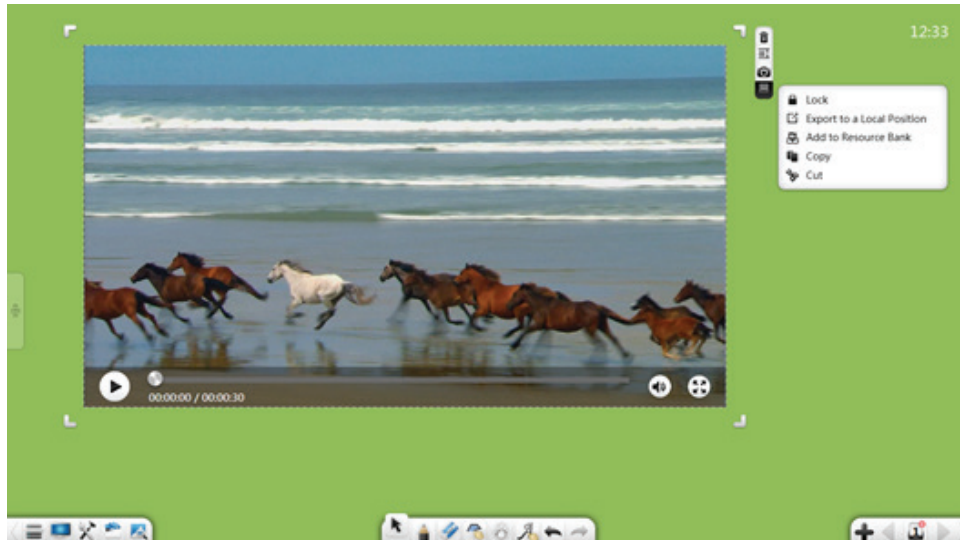
- **Set As Background:** Click  to set currently selected image as background image, with has two types can be selected.








- **Export:** Click  to export the currently selected picture in its original format.


(7) Audio and Video

Select audio and video object to conduct operation of selected audio and video as play, pause, dragging the progress bar, adjusting the volume, display in full screen, moving, zooming, deletion, taking screenshots, setting the object level, setting animation effects, locking, grouping (multiple objects), ungrouping, exporting, adding to the resource library, copy, and cutting.




- **Play:** Click  to play.
- **Pause:** Click  to pause.
- **Drag progress bar:** Drag audio and video playing progress bar, to customize playing position of audio and video.
- **Voice control:** Drag sound adjusting scroll bar, to adjust the volume.
- **Screenshot:** Click  to insert screenshot image of current audio and video image into the page.
- **Full screen:** Click  to display the video in full screen mode and  to exit full screen mode.

3.1.1.6 Writing

Click  to open pen setting window. You can choose Hard Pen, Highlighter, Chinese Brush, Paint Brush, Laser Pen, Magic Pen and Texture Pen. You also can set Thickness and Color.




3.1.1.7 Eraser

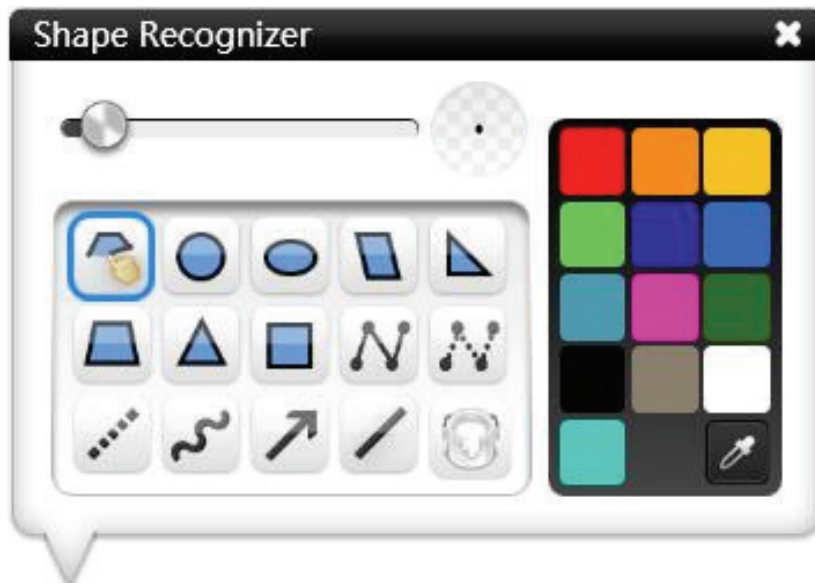
Click  to select eraser.



3.1.1.8 Shap




Click  to display the shape screen. By default, the Shape Recognizer mode is selected, Line Weight is set to Thin, and Line Color is set to Black. You can set the shape type, frame/line thickness, frame/line color, and filled geometric figures. The figure types include Shape Recognizer, Circle, Ellipse, Parallelogram, Right Triangle, Trapezoid, Isosceles Triangle, Rectangle, Rubber Band, Dotted Rubber Band, Dotted Line, Wave Line, Arrow, and Line Segment.





3.1.1.9 Handwriting Recognition







Click  to enable the handwriting recognition function and a quill-pen is displayed. After writing on the page, the handwriting is automatically recognized and displayed on the page.




3.1.1.10 Roaming

After clicking , to click the current page (or left-click the page) and move the current page. Then, click  again to display the navigation chart. You can quickly locate the positions, browse the location information on the current page and adjacent pages, and adjust the percentage on the navigation chart.




- ① Browse: Click at any position in the navigation window. The corresponding position is displayed automatically.
 - ② Adjust the display proportion: Drag the scrollbar in the page roaming navigation window to resize the page.
 - ③ Restore full screen: Click  to restore full screen.
 - ④ Touch: You can zoom the screen by touching two points in the roaming state.
 - ⑤ Gesture roaming: Long touch the screen at two points for 0.5s. The page jitters twice to enable the gesture roaming function, which allows you to roam the current page. If there is no operation in 0.5s, the page jitters twice to disable the gesture roaming function.
- **Magnify:** Click  to zoom in.
 - **Minify:** Click  to zoom out.
 - **Reset:** Click  to reset the roaming or zoom back to original setting.


3.1.1.11 Undo

Click  to undo previous operation.


3.1.1.12 Redo

Click  to restore previous operation.


3.1.1.13 Add Page

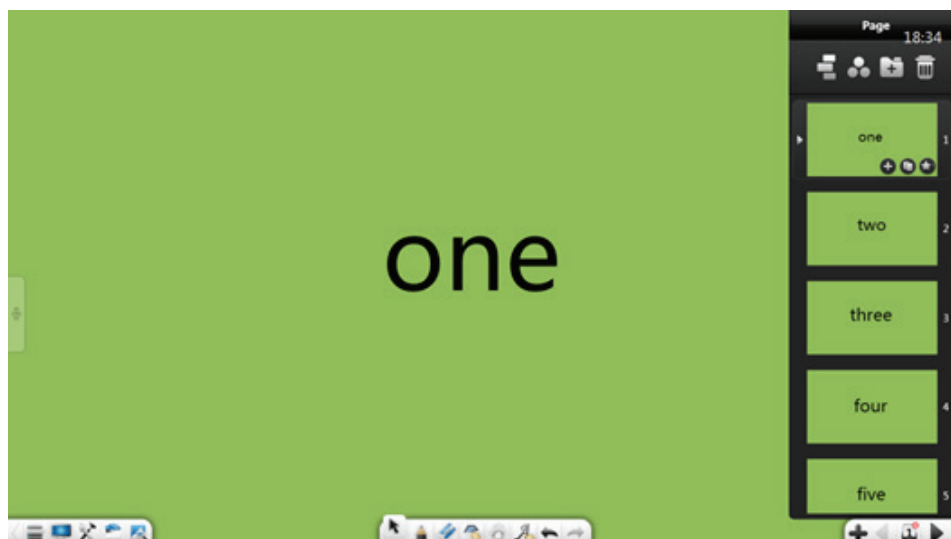
If the current page is the last page, click  to add a new page.


3.1.1.14 Previous Page

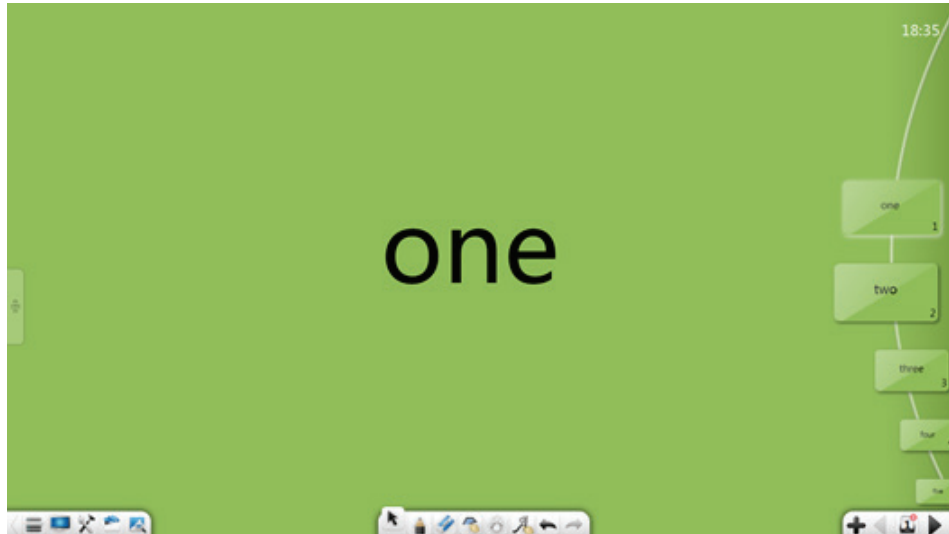
If current page is not the first page, click  to switch to previous page.

3.1.1.15 Page Management

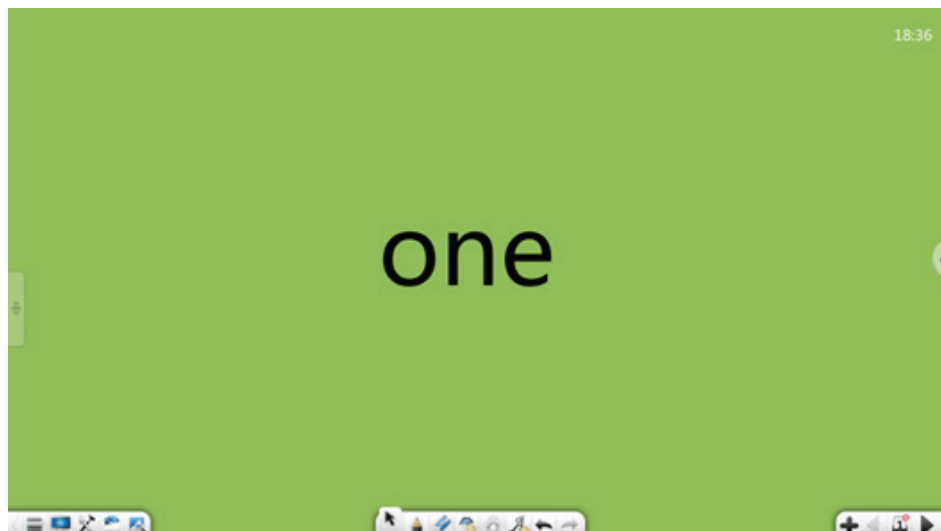
Click  to view all file page information.






- **Crescent Mode:** Click  to enable the crescent browse mode.
- 1. **Browse pages:** When there are many pages, you can scroll up and down to browse the thumbnails of the pages.

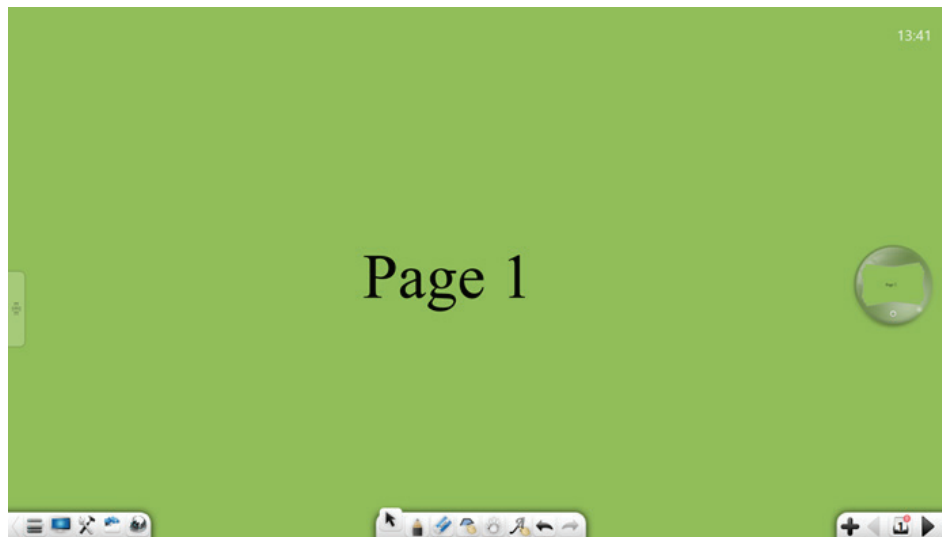



2. **Display pages:** In crescent mode, click or drag a page to display it. After the page is displayed, the crescent mode is collapsed to the rightmost of the screen.

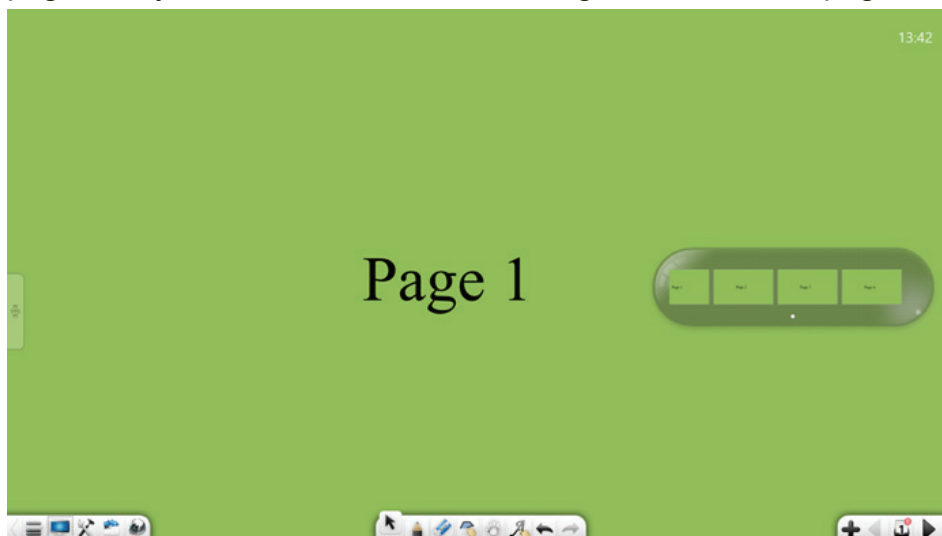




3. Show the crescent mode: Click  to show the crescent mode.
4. Exit: Click  to exit crescent mode and access the page management interface.







- **Page Ball Mode:** Click  to enable page ball mode. Page balls can be collapsed or expanded. You can click or drag a page ball to display the corresponding page.



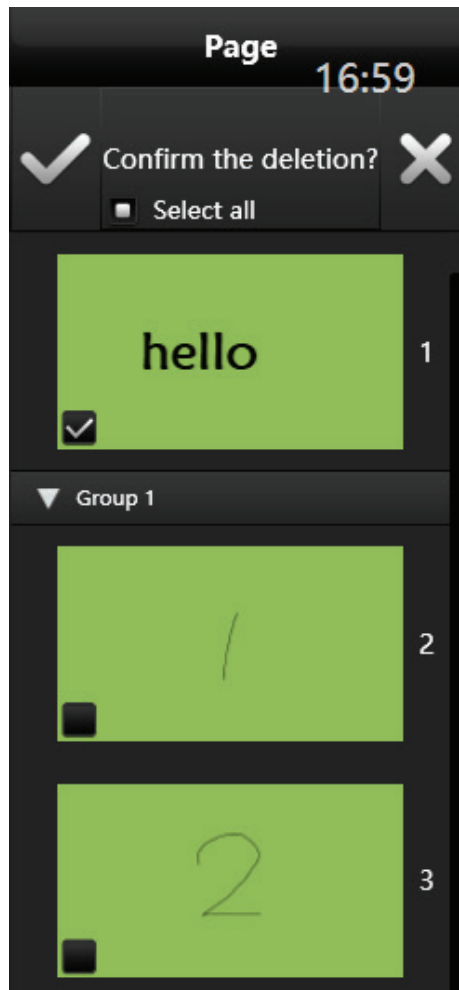
1. **Expand page balls:** Click  to expand page balls. On an expanded page ball, you can scroll leftwards and rightwards to view page thumbnails.





2. **Collapse page balls:** Click  to collapse an expanded page ball.
3. **Display pages:** On a page ball, select a page and drag its thumbnail to the interface to display it.
4. **Switching between page thumbnails:** On a collapsed page ball, you can click any page thumbnail to go to the corresponding page.
5. **Browse page balls:** When there are many groups (page balls), you can scroll up and down to browse the page balls.
6. **Exit:** Click  to exit page ball mode and access the page management interface.

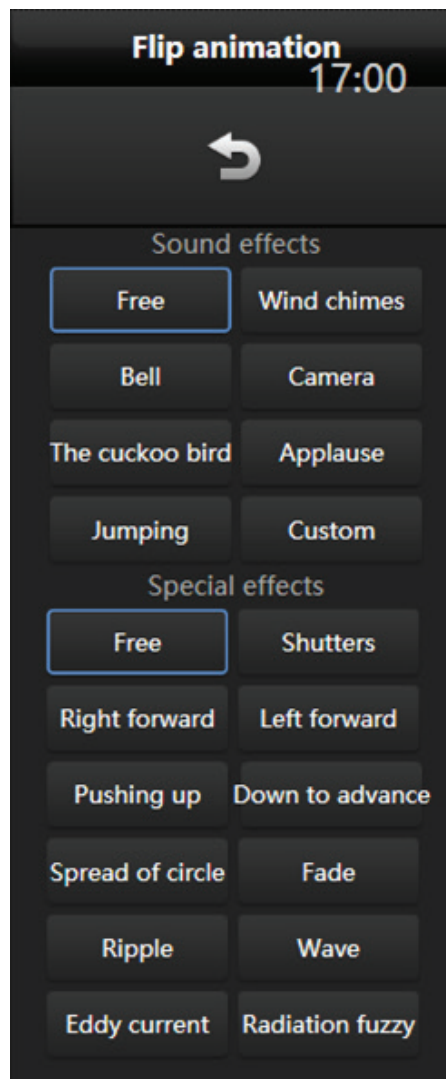
- **Page Grouping:** Click  to enter the page grouping interface. You can conduct group management on the current page as required, including adding, deleting, and renaming groups, grouping and sorting pages, and collapsing and expanding pages in groups.
 1. **Add groups:** On the grouping interface, click  to add a group.
 2. **Delete groups:** Click  to delete a group.
 3. **Rename groups:** Click  to rename a group.
 4. **Group and sort pages:** Click and drag a page to any group or position.
 5. **Collapse/expand pages in groups:** Click  to collapse an expanded group or  to expand a collapsed group.

- **Delete page:** Click  to delete page.



- **Add page:** Click  to add a new page.
- **Copy page:** Click  to copy current page to next page.
- **Move page:** Click and drag the page, the user can drag the currently selected page to another location.

- **Special effect in page flipping:** Click  to set a flipping special effect for the current page, including audio and animation effects.




- **Browse pages:** Scroll the scroll wheel up and down to browse the pages.
- **Multiplex pages:** In lection preparation mode, you can drag a page to another opened program.



3.1.1.16 Next Page

If the current page is not the last page, click  to switch to next page.





3.1.2 Desktop Mode

Click  to switch to desktop mode.



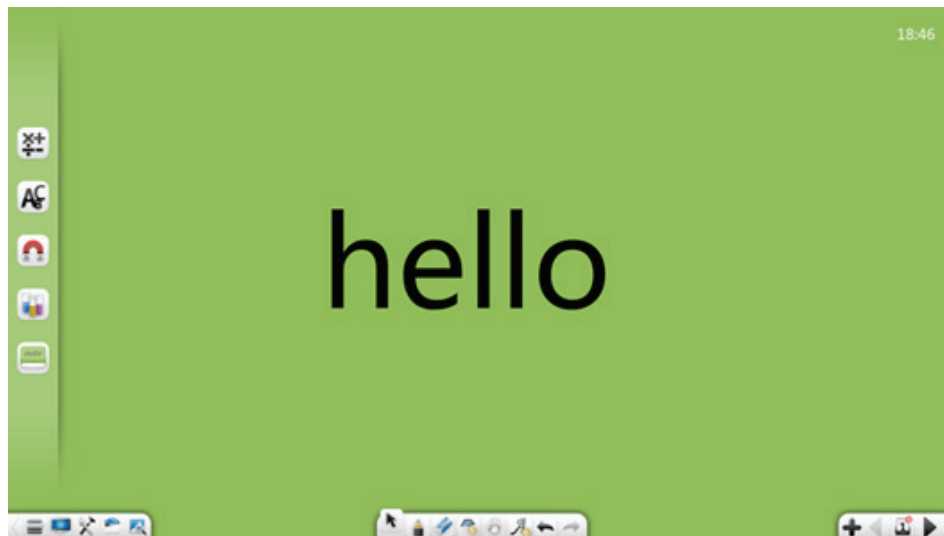
- **Desktop operation:** Click  to return to desktop operation mode from notation state.
- **Hard pen:** Click  to enter desktop notation state. At this time, you can use hard pen to make notation on the current interface. Click this button, it will pop up the secondary menu, which can select handwriting thickness and color, and select the pen type.




- **Eraser:** Click  to erase desktop notation handwriting.
- **Tools:** Click  to invoke the tools.
- **Return:** Click  button to return to ViewBoard 2.1.
- **Stretch toolbar:** Click  to stretch toolbar.

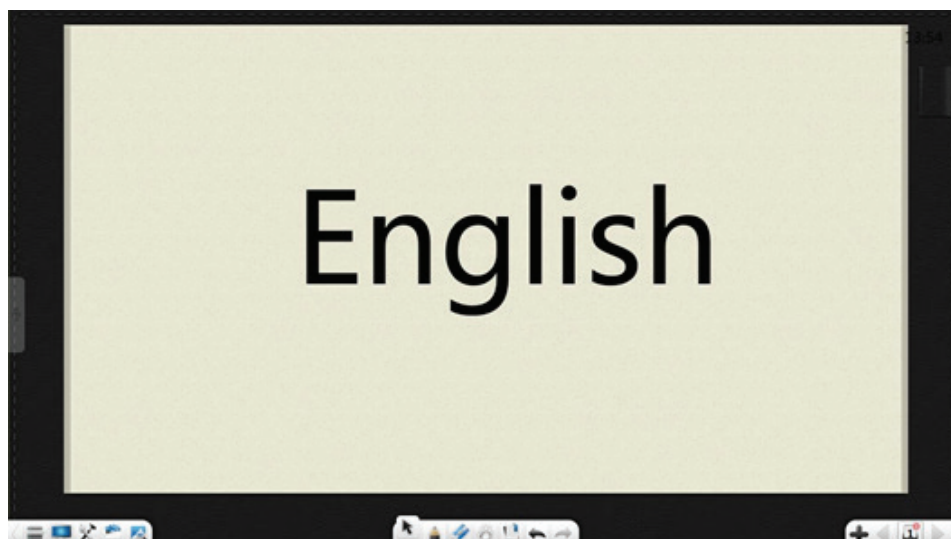
3.2 Subject Mode Function Chemistry


ViewBoard 2.1 sets different subject modes according to the different subjects, including English Mode, Math Mode, Chemistry Mode and Physics Mode.



3.2.1 English Mode

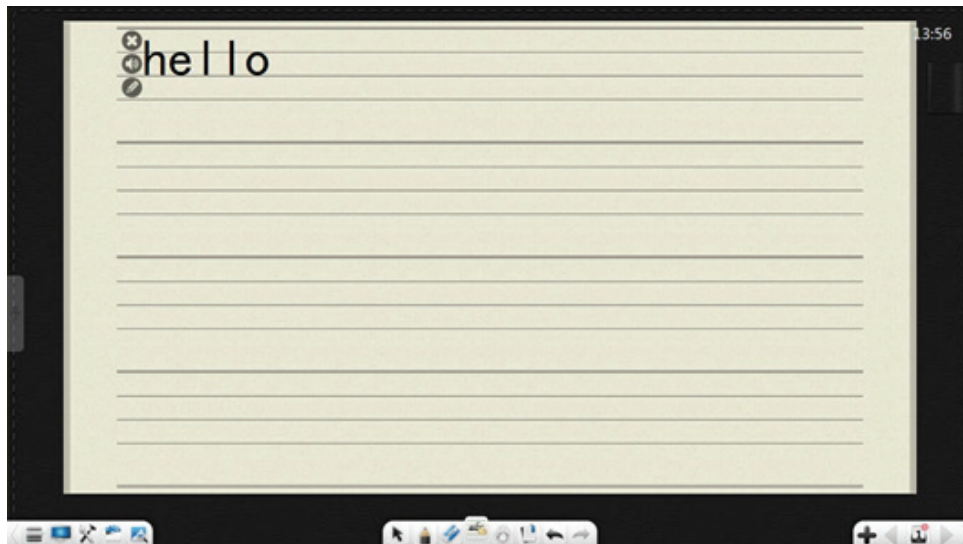
Click  to enter English mode, with toolbar functions from left to right: Menu, Desktop, Treasure Chest, Resource Library, Encyclopedia, Select, Write, Eraser, Roam, Instructional Template, Cancel, Redo, Previous Page, Pages, Add Page, and Next Page.






- **Teaching Template:** Click  to select different teaching templates.




Four-wire grid used in teaching demonstration of letters, the user can handwrite the letters on the four-wire grid, and under the four-wire grid will pop up the candidate letters, select the required letters and it will identification to the four-wire grid automatically.

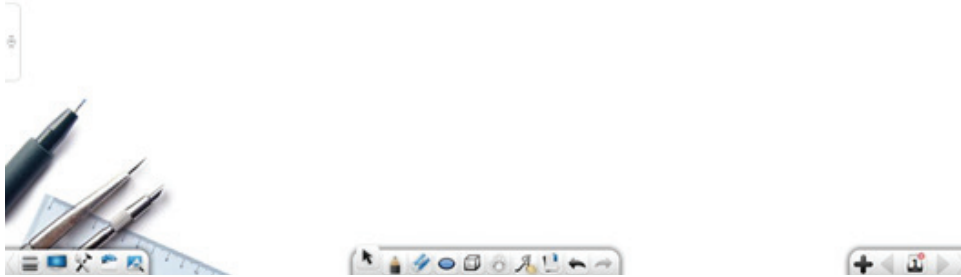


- ① Click  to delete.
- ② Click  to read the words.
- ③ Click  to re-edit the letters.

3.2.2 Math Mode


Click  button to enter Math mode.

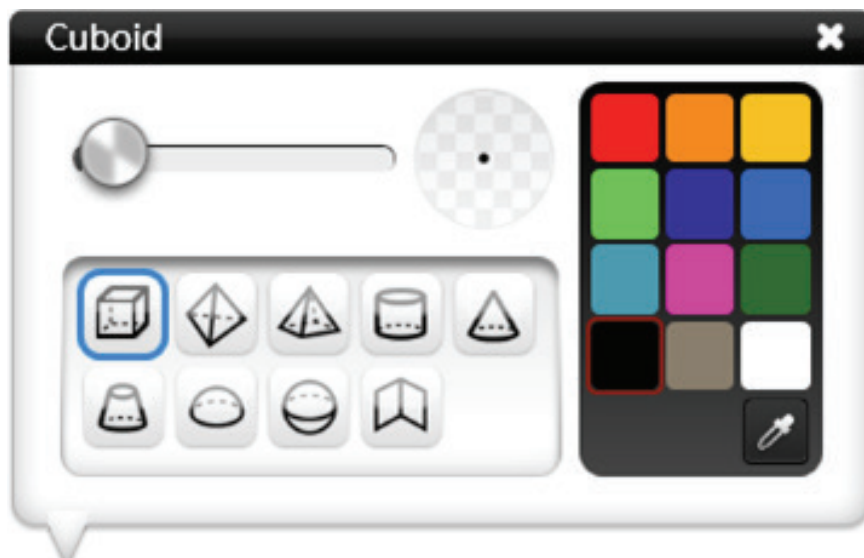
14:04




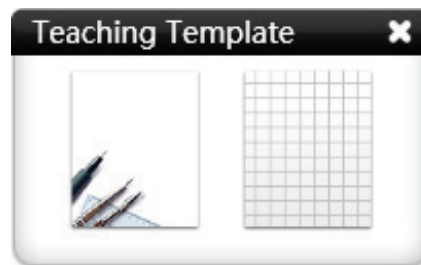
3.2.2.1 Basic Function

In the math mode, toolbar provides the basic math tools, including Menu, Desktop, Toolbox, Resource Bank, Select, Pens, Erasers, Line, Graphic, 3D Graphic, Fill, Text, Template, Cruise, Roaming Map, Thumbnails, New Pages.


- Click  to pop up sub-menu. There are 9 kinds of three-dimensional graphics are available for drawing operation, including Cube, Cylinder, RoundTable, Cone, Three Pyramid, Four Pyramid, Sphere, Hemisphere and Dihedral.





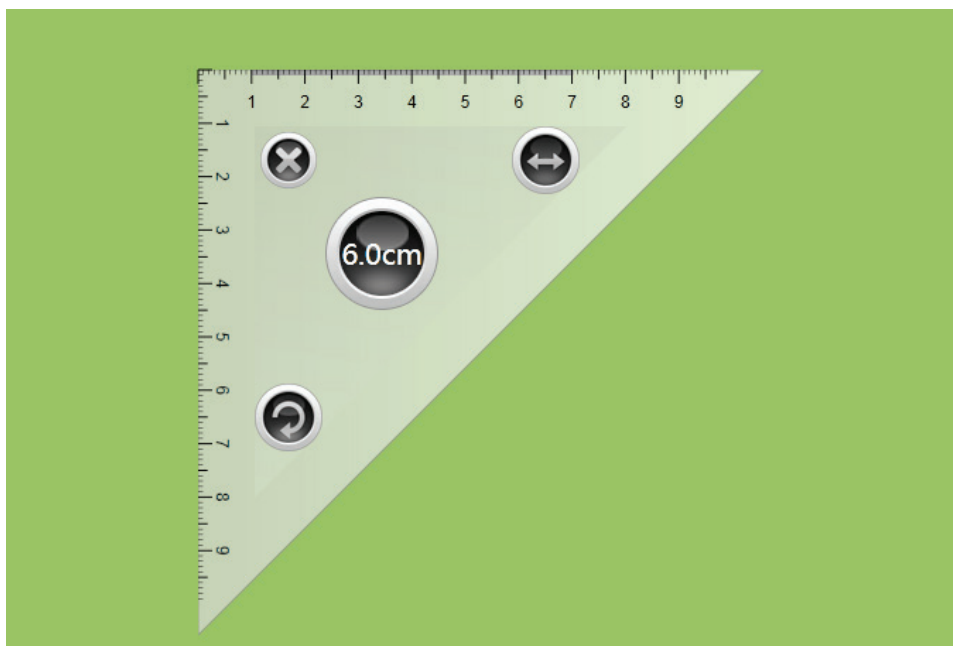
- Click  to select different teaching templates such as grid and day-word grid. Day-word grid template is used to facilitate teaching numbers, scores, and etc.






3.2.2.2 Math Tools

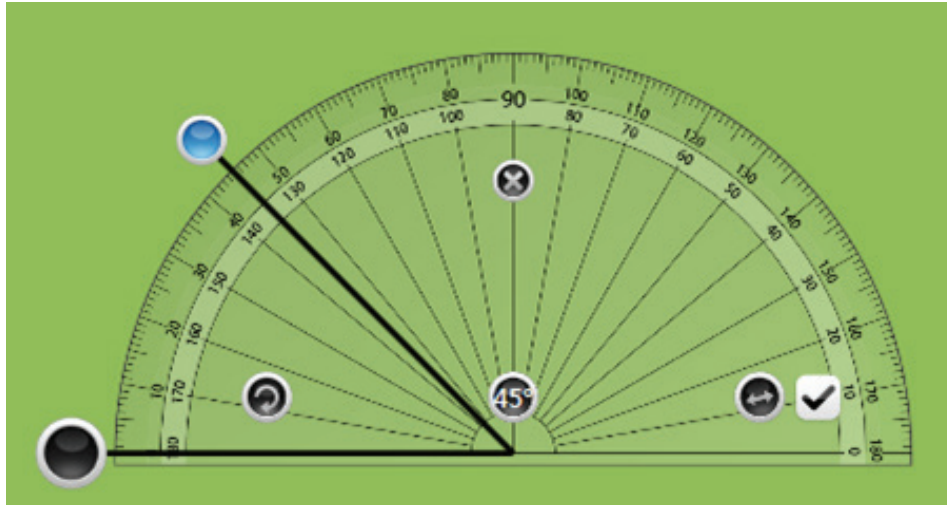
Click  to pop up the treasure box, including Setsquare 45°, Setsquare 30°, Ruler, Protractor, Compasses, Function Graph, Coordinate System, Formula Recognition and Calculator.


- Setsquare 45°: Click  to open 45° set square tool, which can draw lines, stretch, and rotate. Click scale, and drag along increase or decrease scale direction to draw straight lines. In the middle of the ruler, icon  will show segment length of the line drawn.



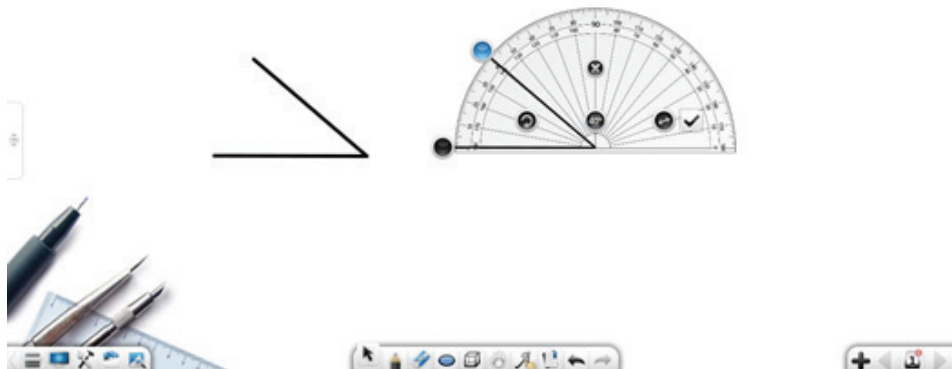
- Setsquare 30°:** Click  to open setsquare 30° tool.
- Ruler:** Click  to open ruler tool.





- **Protractor:** Click  to open protractor tool. Pull the two cursors to align with the angle edge, and protractor will automatically display angle.




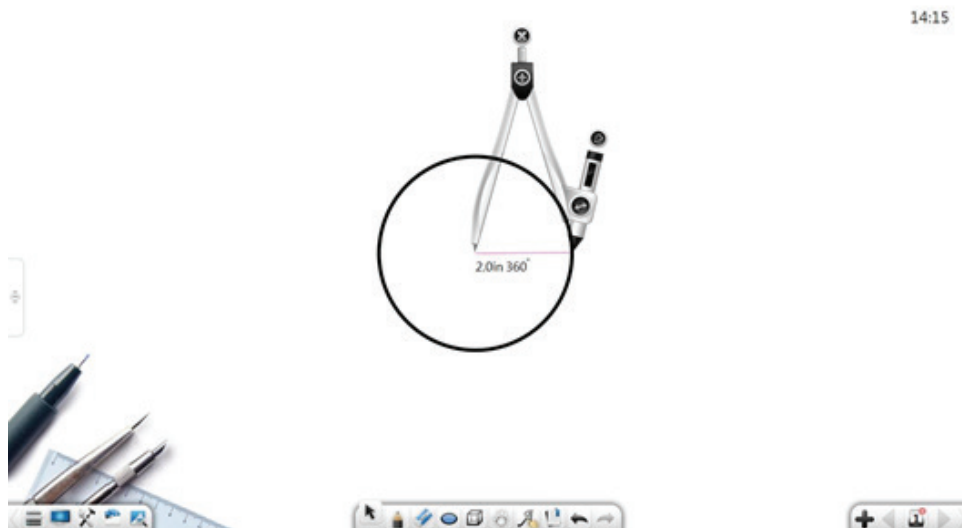
Pull cursor to a certain point of angle, click  confirmation button, to insert cursor angle in the page. If the angle between cursors is 0° , no angle is drawn by default. (Note: When picture the angle, the user can pull the cursor by changing the length of the length of the angle.)

14:18




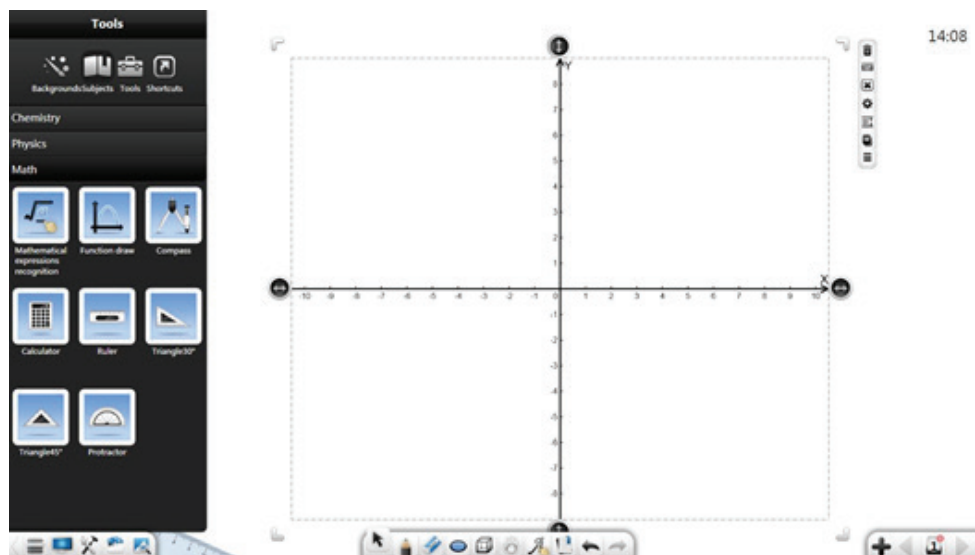
- **Compass:** Click  to open compass tool.
 - ① Click  and drag the compass to move the compass.
 - ② Click  and rotate the compass to rotating compass direction.
 - ③ Drag the compass feet  to adjust radius of circle, also display current radius length at the same time.





- ④ Click  to switch compasses drawing effects, including arcs and sectors.
- ⑤ Drag the compass pen to draw circles.




- ⑥ Click the button  to close compass.




- **Function Graph:** Click  to open mathematical function graph drawing tool, which can draw mathematical function graph.

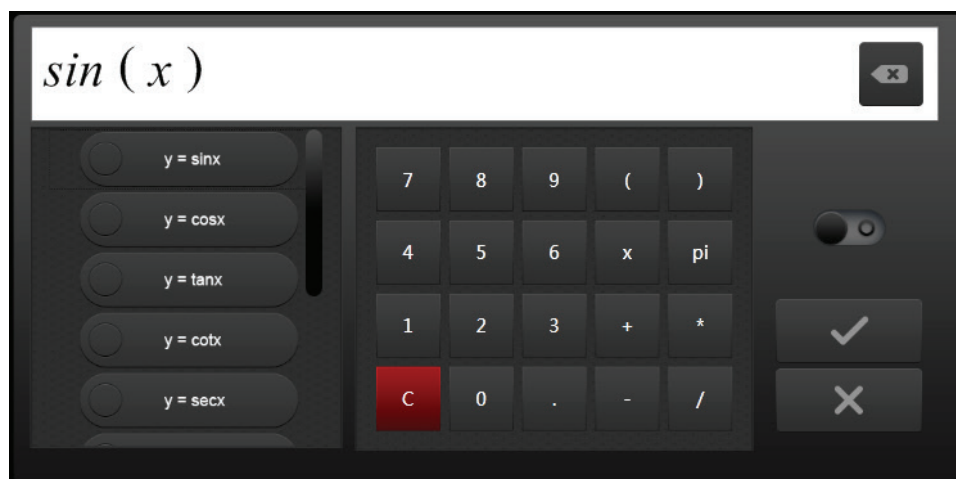



- ① Click  to move number axis.
- ② Click  to make demonstrate notation for current function graph.
- ③ Click  to erase notation handwriting.
- ④ Click  to clear the current page function graph.

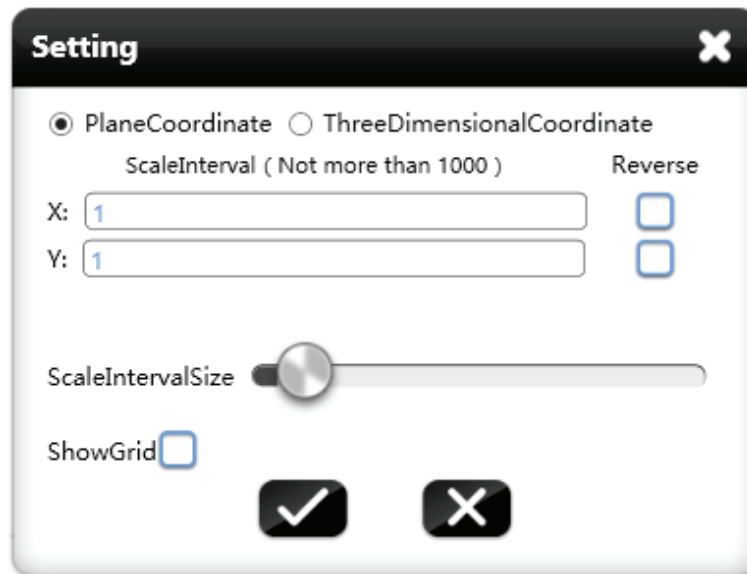
- ⑤ Click  to pop up mathematical function editor.



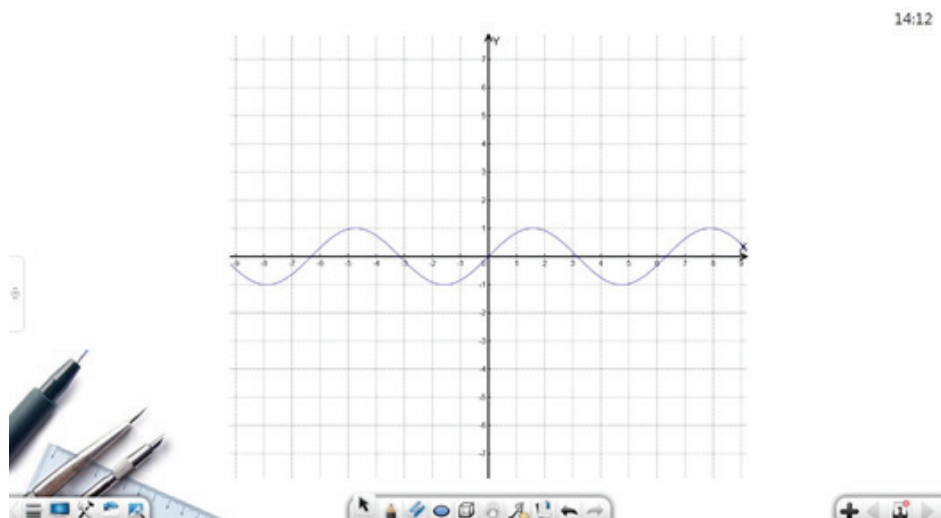
- a) Input corresponding function keys and parameters, click  to complete function editing, with the corresponding function graph automatically display on number axel.
- b) Click  to insert handwriting recognition formula, with use method similar to mathematical formula recognition.
- c) Drag  to the left to switch to primary function mode. In this mode, it can choose corresponding simple function directly.






- **Coordinate System:** Click  to open mathematics tool coordinate system. User can choose plane coordinate system or 3D coordinate system according to need.

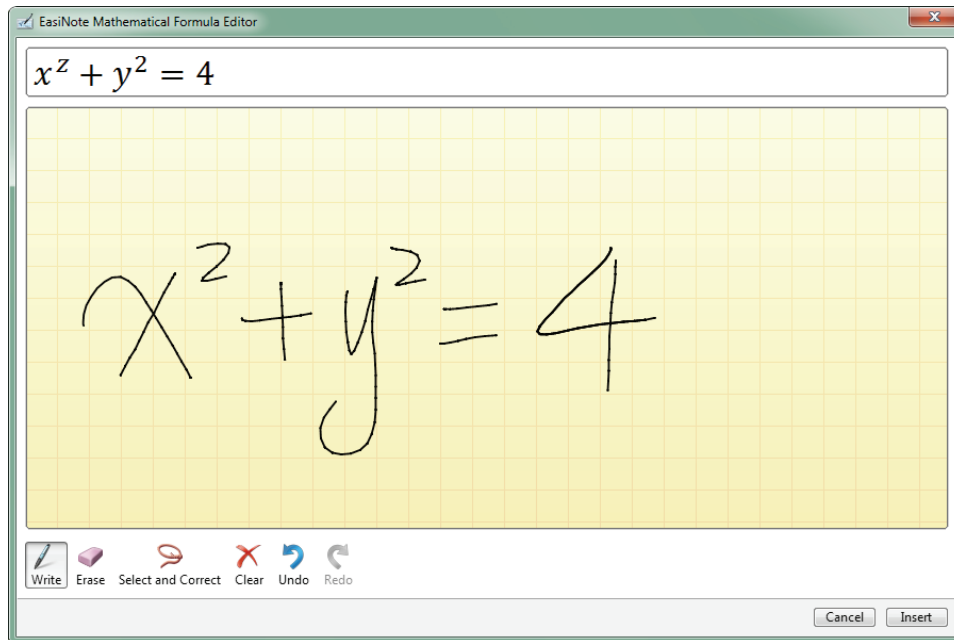


- ① Coordinate dimensions: The user can choose 2D coordinate system or 3D coordinate system according to need.
- ② Scale interval: User can fill scale interval in the x, y, z axis.
- ③ Coordinate axis direction: Check the Reverse to switch the direction of the coordinate axis.
- ④ Interval size: Drag the interval size button to change the width of the gap between the scale.
- ⑤ Show grid: Check to show coordinate grid.
- ⑥ After setting completion, it can insert mathematical coordinates into whiteboard page.

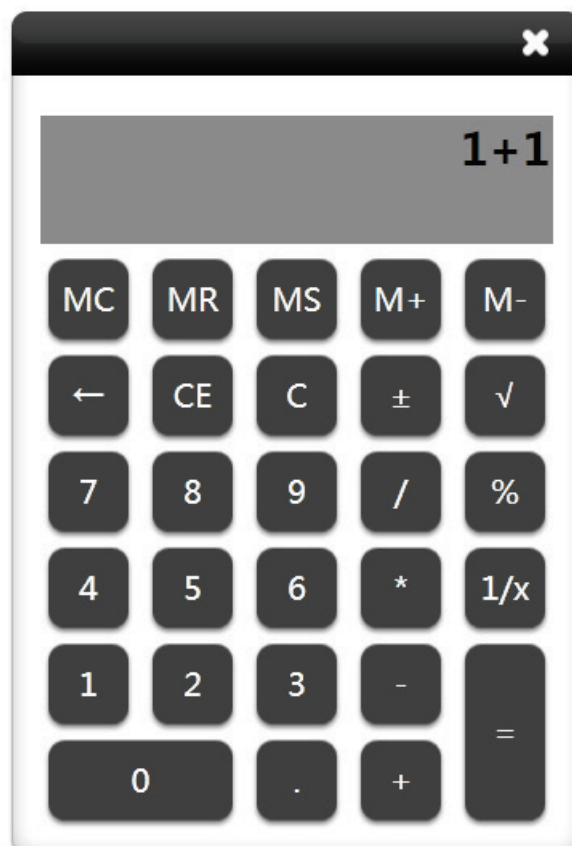


- ⑦ Click and drag  or  to adjust the length of the coordinate axis.

- **Formula Recognition:** Click  to open mathematical formula recognition tool, which can recognize handwriting mathematical formula. After handwriting required formula, the system will automatically identify formula. If the formula does not conform, it can manually select in cycle to make correction. Click "Insert" button, to insert identified formula into the current page.

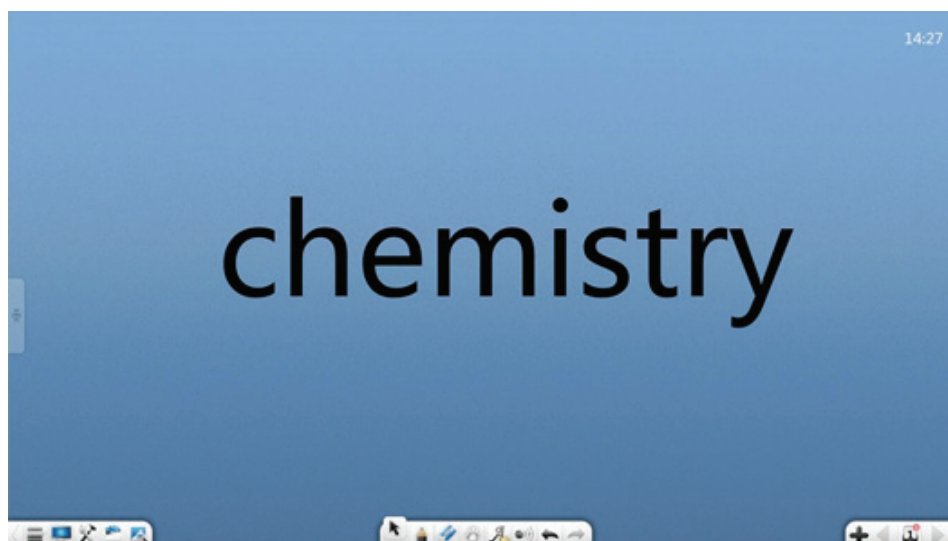


- **Calculator:** Click  to open the calculator.



3.2.3 Chemistry Mode


Click  to enter Chemistry mode.




3.2.3.1 Basic Function

In the chemistry mode, toolbar provides the basic math tools, including Menu, Desktop, Treasure Chest, Resource Library, Encyclopedia, Select, Write, Eraser, Roam, Handwriting Recognition, Chemical Formula, Atomic Structure Diagram, Cancel, Redo, Previous Page, Pages, Add Page, and Next Page.

3.2.3.2 Chemistry Tools

Click  to pop up the treasure box. Click the disciplines and select the chemistry to pop up the interface of chemistry tools, including Periodic Table, Atomic structure diagram and chemistry lab instruments.

(1) Periodic Table

Click  to open the periodic table. Click “x” to close the table. In the multi-point touch screen, the user can zoom and move it.

Group/Period

1

2

3

4

5

6

7

Lanthanides

Actinides

I A

1 H
Hydrogen

II A

3 Li
Lithium

4 Be
Beryllium

11 Na
Sodium

12 Mg
Magnesium

19 K
Potassium

20 Ca
Calcium

37 Rb
Rubidium

38 Sr
Strontium

55 Cs
Cesium

87 Fr
Francium

57 La
Lanthanum

89 Ac
Actinium

Nonmetal

Metal

Transition

Periodic Table of The Elements

0

III A

IV A

V A

VIA

VII A

He
Helium

2 He
Helium

5 B
Boron

6 C
Carbon

7 N
Nitrogen

8 O
Oxygen

9 F
Fluorine

10 Ne
Neon

13 Al
Aluminum

14 Si
Silicon

15 P
Phosphorus

16 S
Sulfur

17 Cl
Chlorine

18 Ar
Argon

21 Sc
Scandium

22 Ti
Titanium

23 V
Vanadium

24 Cr
Chromium

25 Mn
Manganese

26 Fe
Iron

27 Co
Cobalt

28 Ni
Nickel

29 Cu
Copper

30 Zn
Zinc

31 Ga
Gallium

32 Ge
Germanium

33 As
Arsenic

34 Se
Selenium

35 Br
Bromine

36 Kr
Krypton

39 Y
Yttrium

40 Zr
Zirconium

41 Nb
Niobium

42 Mo
Molybdenum

43 Tc
Technetium

44 Ru
Ruthenium

45 Rh
Rhodium

46 Pd
Palladium

47 Ag
Silver

48 Cd
Cadmium

49 In
Indium

50 Sn
Tin

51 Sb
Antimony

52 Te
Tellurium

53 I
Iodine

54 Xe
Xenon

56 Ba
Barium

58 Ce
Cerium

59 Pr
Praseodymium

60 Nd
Neodymium

61 Pm
Promethium

62 Sm
Samarium

63 Eu
Europium

64 Gd
Gadolinium

65 Tb
Terbium

66 Dy
Dysprosium

67 Ho
Holmium

68 Er
Erbium

69 Tm
Thulium

70 Yb
Ytterbium

71 Lu
Lutetium

72 Hf
Hafnium

73 Ta
Tantalum

74 W
Tungsten

75 Re
Rhenium

76 Os
Osmium

77 Ir
Iridium

78 Pt
Platinum

79 Au
Gold

80 Hg
Mercury

81 Tl
Thallium

82 Pb
Lead

83 Bi
Bismuth

84 Po
Polonium

85 At
Astatine

86 Rn
Radon

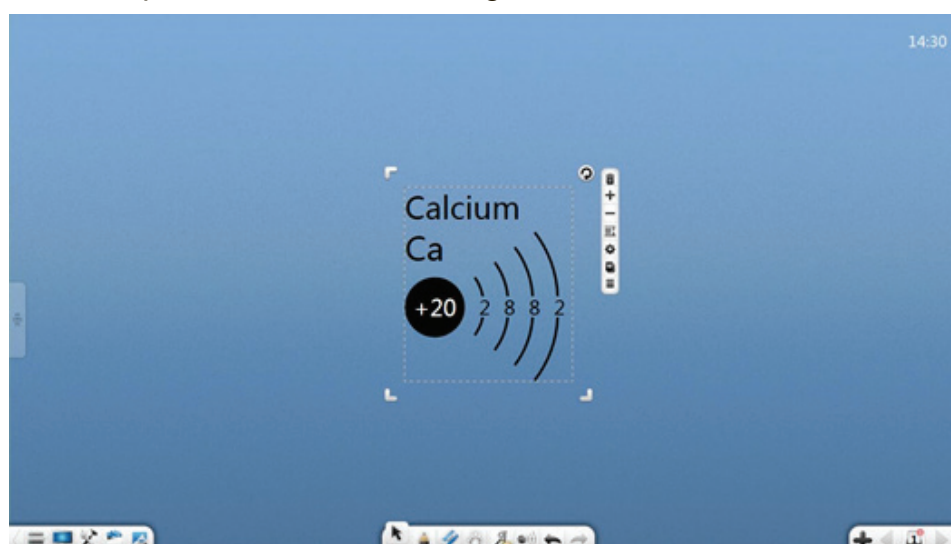
101 Md
Mendelevium


102 No
Nihonium

103 Lr
Lawrencium




(2) Atomic structure diagram

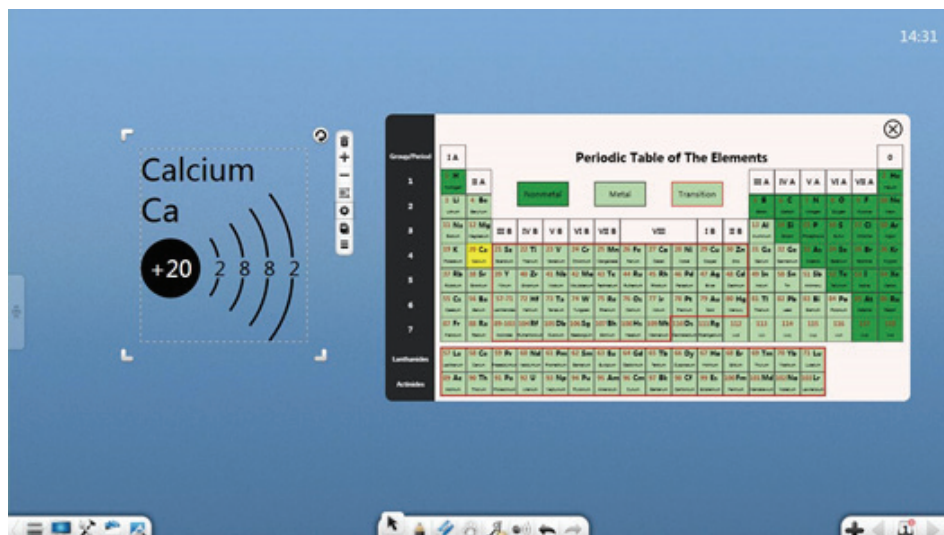
Click  to open atomic structure diagram, the default is Ca.



① Click  to delete atomic structure diagram.

② Click  to view the next chemistry atomic.

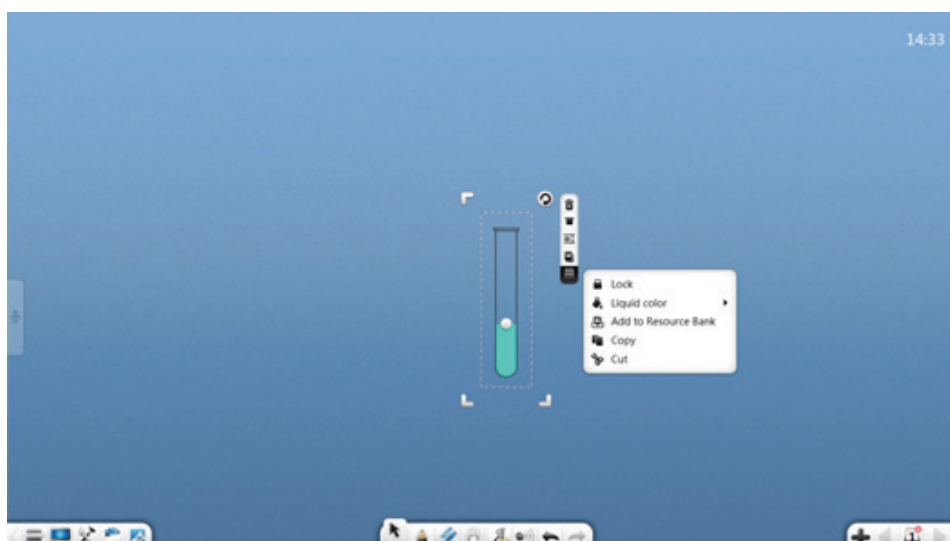
- ③ Click  to view the previous chemistry atomic.
- ④ Click  to dragging cloning this atomic.
- ⑤ Click  to open the periodic table to select the element. When user selects the element, the atomic structure diagram will show the structure of this atomic.





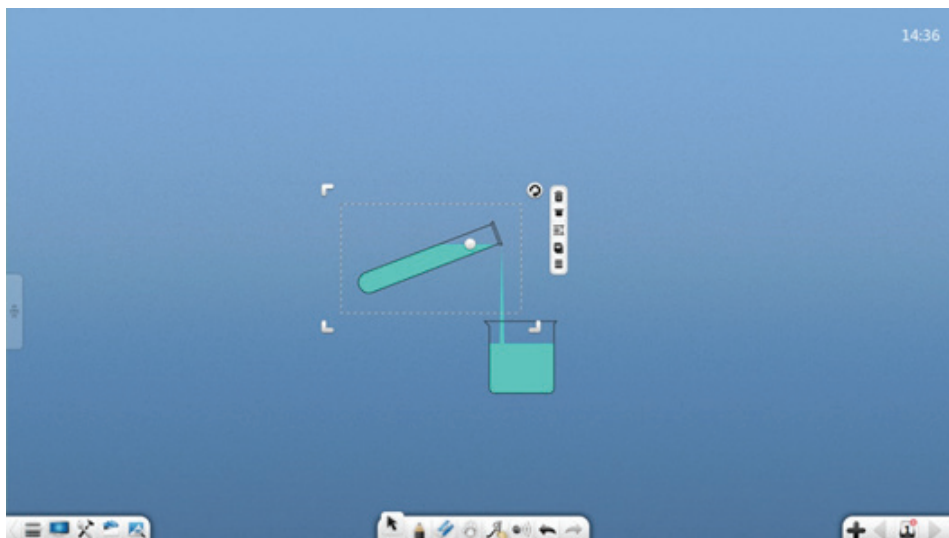
(3) Chemistry lab instrument


In the chemistry tools, user can drag the chemistry lab instrument and combination them.

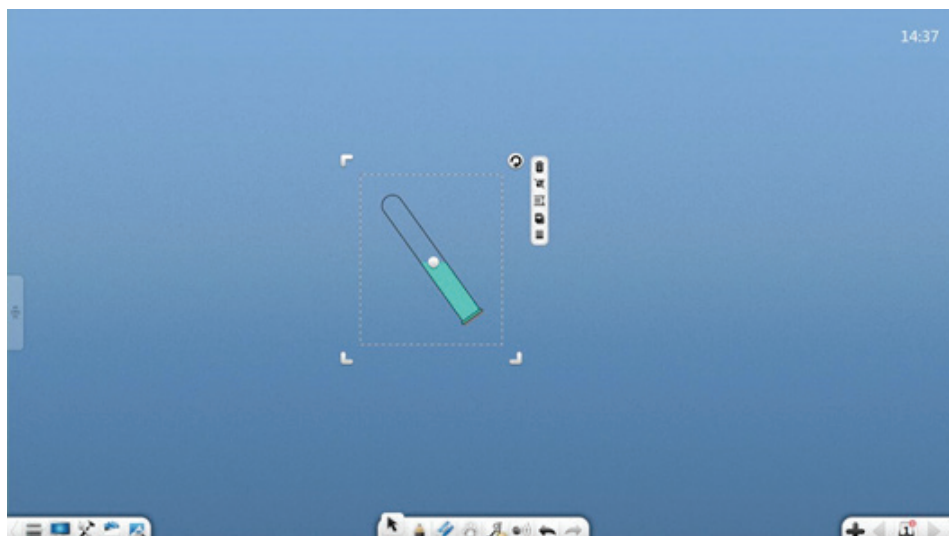
- ① Liquid level adjustment container. It includes Test tube, Beaker, Conical flask, Flask, Distillation flask, Sink, Kipp generator, Separating funnel, Acid burette, Alkaline burette, U-tube, Thermometer.



- a) The operation of container as moving, select and non-uniform zooming, deletion, setting the object level, setting animation effects, dragging the object to clone it, locking, grouping (multiple objects), ungrouping, adding the object to the resource library, editing a hyperlink, copy, and cutting are similar to those in the handwriting operations.
- b) **Liquid level:** Click and drag the button  on the liquid surface, moving it up and down to change the liquid level.
- c) **Rotation:** Click  to rotate, the liquid can simulate the liquid flow actual, it rotate along with the container. When the liquid level is higher than the inclination of the container along the tube, the liquid will flow out. At the same time, if there is another container below, the liquid in the container can be poured into this container

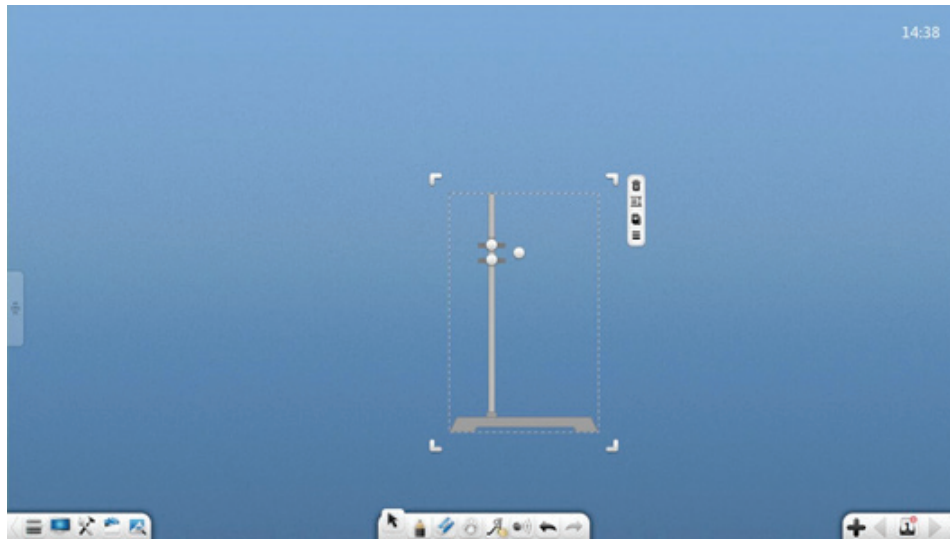




- d) **Cork:** Click  to cover the cork. At this time, rotating container and the liquid won't flow out.

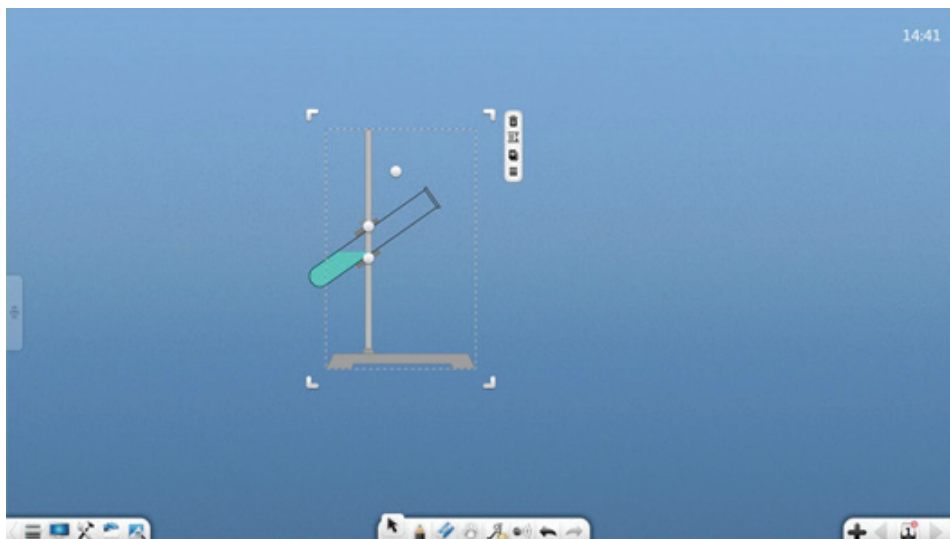



- e) **Liquid color:** click  to select the liquid color.

② **Instrument stand:** It includes Test tube rack and Beaker rack.




- a) **Tube clip width:** Click the button  on the test tube rack to adjust the width of tube clip up and down.
- b) **Tube angle:** Click the button  on the test tube clip right to adjust the angle of tube clip and move up and down.




- c) **Beaker rack adjust:** Click the button  to adjust the height of the beaker pad and the beaker clip up and down.

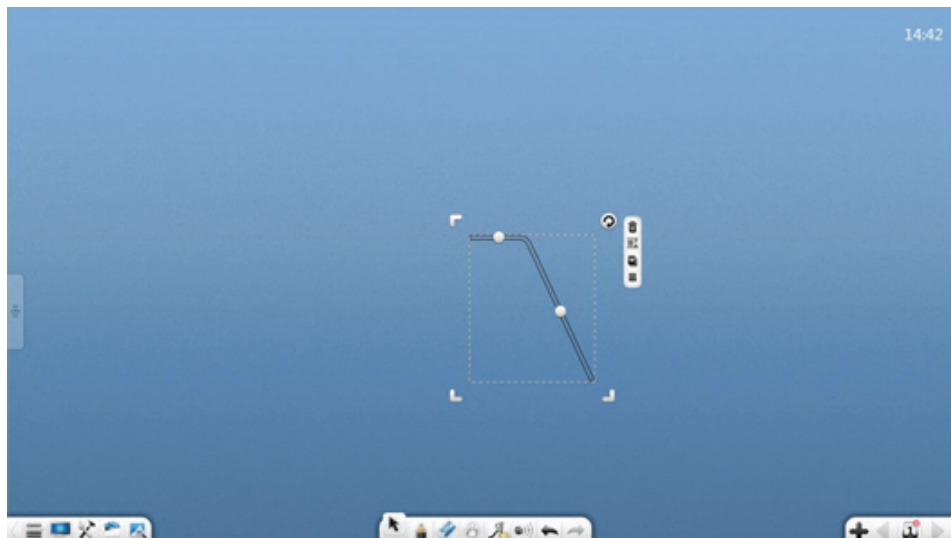
③ **Adjustable status instrument:** Alcohol burner, Glass tube, Gas collecting bottle are the adjustable status instrument.

a) **Alcohol:** Click  to light the alcohol.

b) **Glass tube:** Click  to add the cork to both ends of the glass tube.

c) **Gas collecting bottle:** Click  button to cover with frosted glass.


④ **Connecting conduct:** Click and drag the button  on the connecting conduct to adjust the length and angle.

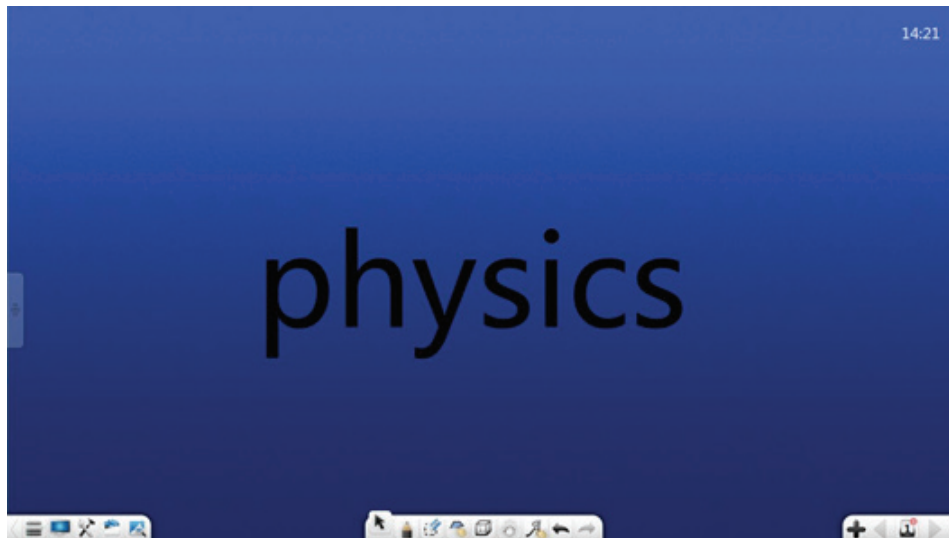


⑤ **Scales:** Click and drag the button to adjust the balance of the scale.

⑥ **Other:** The operation of container as Wood blocks, Vacuum connecting tube, Drying tube, Condenser tube, Spherical funnel, Funnel, Tripod, Rubber tube, Weights are the same as operation.


3.2.4 Physics Mode

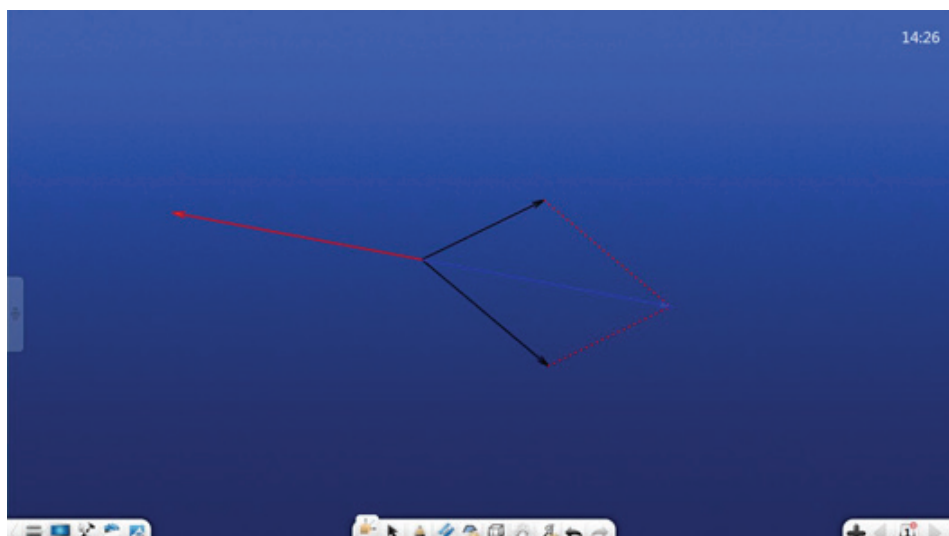
Click  to enter Physics mode.




3.2.4.1 Basic Function

In the physics mode, toolbar provides the basic math tools, including Menu, Desktop, Treasure Chest, Resource Library, Encyclopedia, Select, Write, Eraser, Shape, 3D Shape, Roam, Handwriting Recognition, Cancel, Redo, Previous Page, Pages, Add Page, and Next Page.

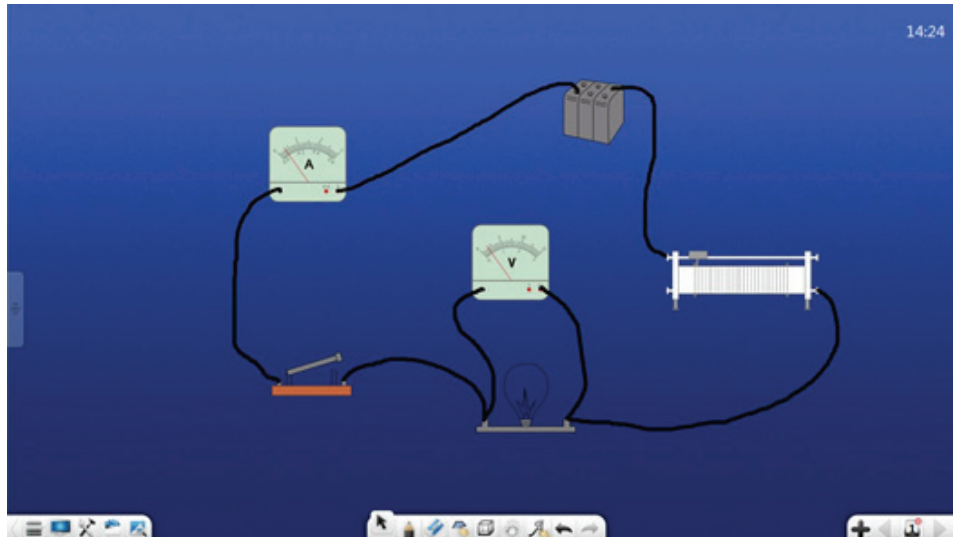
- Click  to enter physical force mode, which can draw lines to constitute physical component forces on white board directly. When two or more component forces are drawn, it will automatically generate resultant force.





3.2.4.2 Physics Tools

Click  to pop up the treasure box. Click the disciplines and select the physics to pop up the interface of physics tools, including electricity.

Electricity: Electricity instrument including Power, Ammeter, Voltmeter, Slide rheostat, Bulb, Power switch.



- ① Power instrument can be called in the circuit demonstration experiments.
- ② Ammeter, voltmeter can be connected in the circuit, while adjustable pointer.
- ③ Slide rheostat can adjust the resistance size manually.
- ④ Choose the light bulb, and click  button to open the light bulb.
- ⑤ Choose the power switch, and click  button to close the power switch.

Other Information

Customer Support

For technical support or product service, see the table below or contact your reseller.

NOTE: You will need the product serial number.

Country/Region	Website	T = Telephone C = CHAT ONLINE	Email
Australia New Zealand	www.viewsonic.com.au	AUS= 1800 880 818 NZ= 0800 008 822	service@au.viewsonic.com
Canada	www.viewsonic.com	T (Toll-Free)= 1-866-463-4775 T (Toll)= 1-424-233-2533	service.ca@viewsonic.com
Europe	www.viewsoniceurope.com	www.viewsoniceurope.com/uk/support/call-desk/	
Hong Kong	www.hk.viewsonic.com	T= 852 3102 2900	service@hk.viewsonic.com
India	www.in.viewsonic.com	T= 1800-419-0959	service@in.viewsonic.com
Korea	www.kr.viewsonic.com	T= 080 333 2131	service@kr.viewsonic.com
Latin America (Argentina)	www.viewsonic.com/la/	C= http://www.viewsonic.com/la/soporte/servicio-tecnico	soporte@viewsonic.com
Latin America (Chile)	www.viewsonic.com/la/	C= http://www.viewsonic.com/la/soporte/servicio-tecnico	soporte@viewsonic.com
Latin America (Columbia)	www.viewsonic.com/la/	C= http://www.viewsonic.com/la/soporte/servicio-tecnico	soporte@viewsonic.com
Latin America (Mexico)	www.viewsonic.com/la/	C= http://www.viewsonic.com/la/soporte/servicio-tecnico	soporte@viewsonic.com
Nexus Hightech Solutions, Cincinnati #40 Desp. 1 Col. De los Deportes Mexico D.F. Tel: 55) 6547-6454 55)6547-6484 Other places please refer to http://www.viewsonic.com/la/soporte/servicio-tecnico#mexico			
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Middle East	ap.viewsonic.com/me/	Contact your reseller	service@ap.viewsonic.com
Puerto Rico & Virgin Islands	www.viewsonic.com	T= 1-800-688-6688 (English) C = http://www.viewsonic.com/la/soporte/servicio-tecnico	service.us@viewsonic.com soporte@viewsonic.com
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South Africa	ap.viewsonic.com/za/	Contact your reseller	service@ap.viewsonic.com
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