

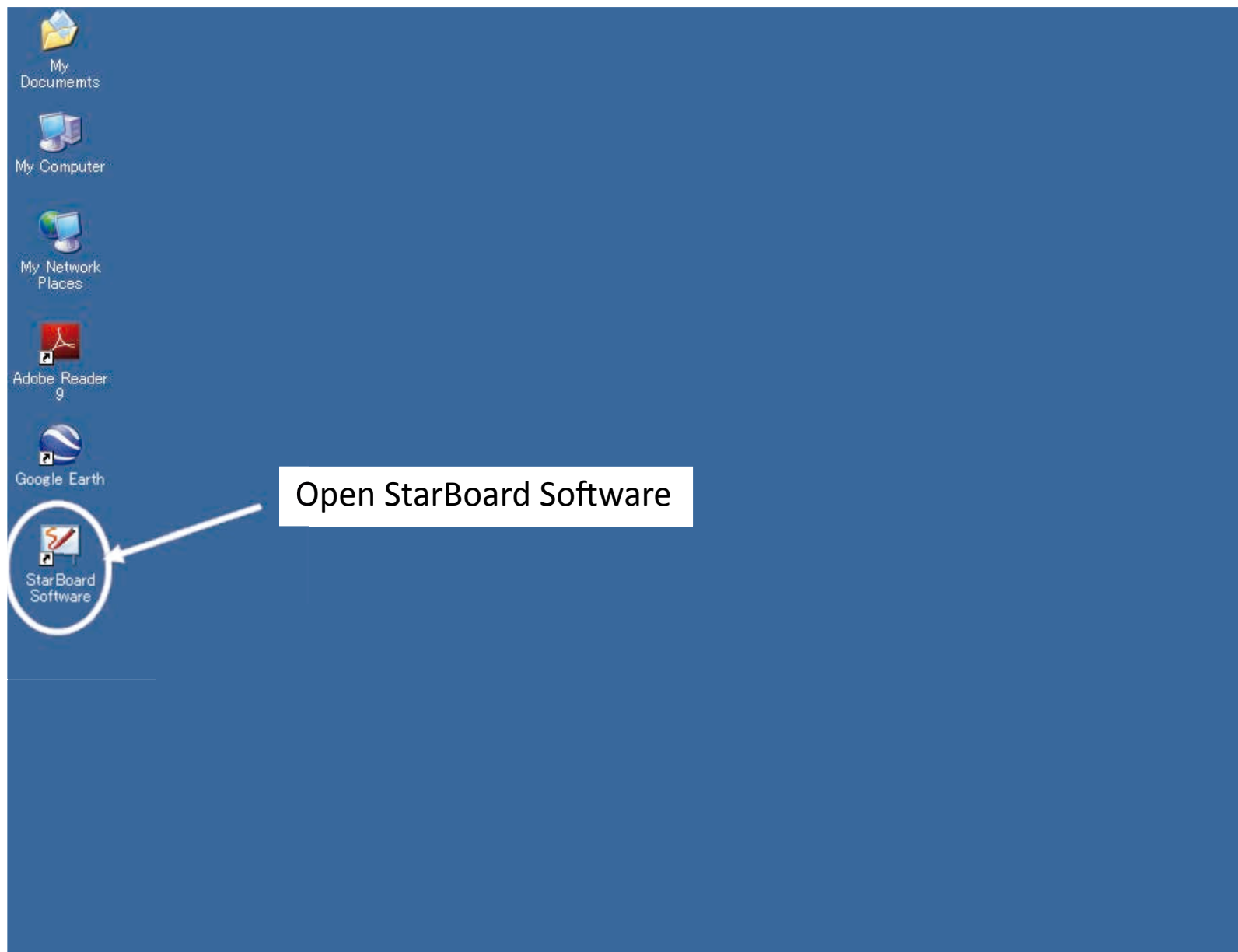
StarBoard Software 9.3 Training for Windows

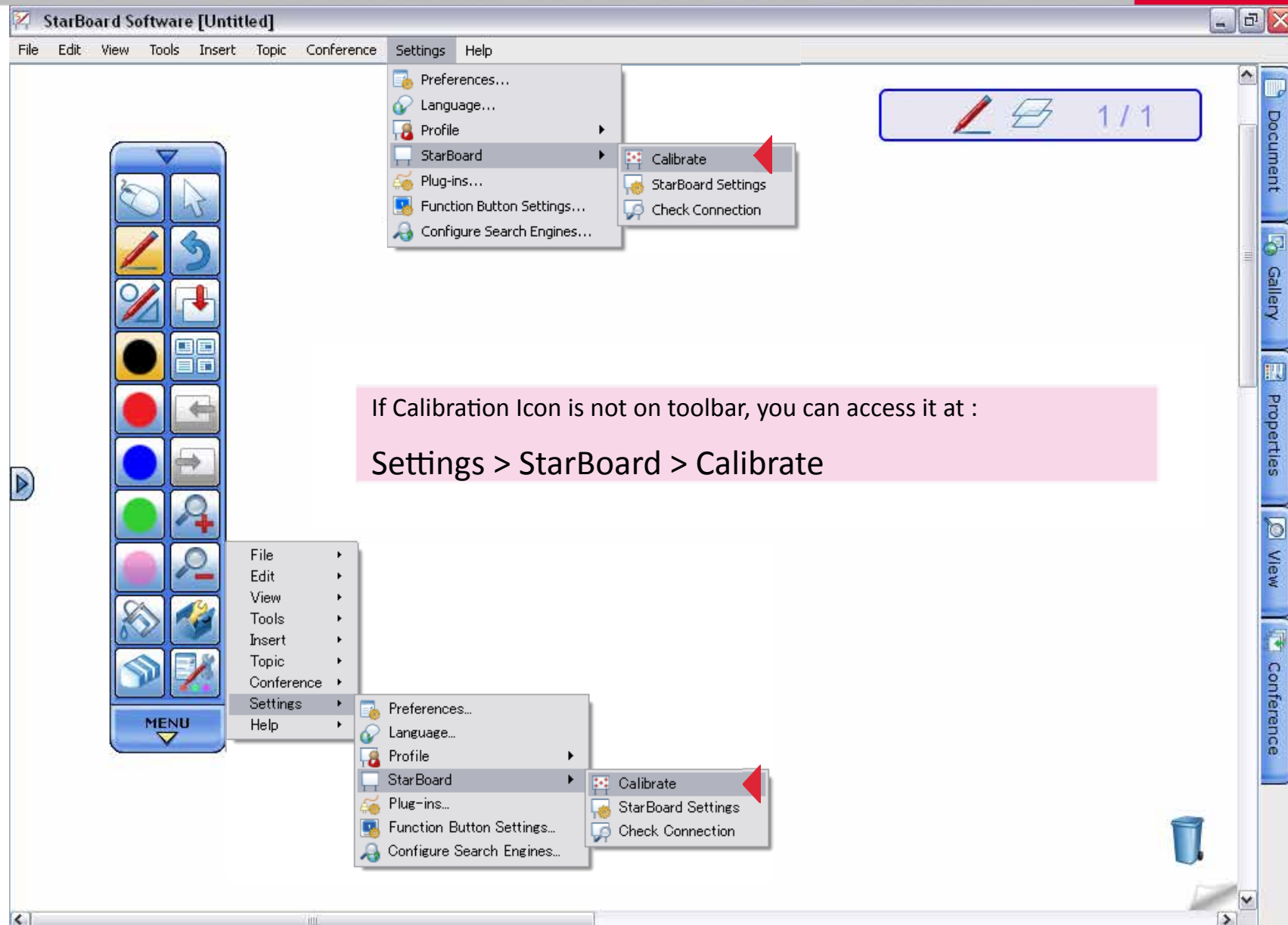
January 2011
Hitachi Solutions, Ltd.



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 - Mouse Operations
 - Whiteboard
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 - Intelli-Pen
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- ★ Drag and Drop images from Web
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- ★ Handwriting/Spelling Toolbox
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★New Features





1. Hold tip of pen or finger on centre of blinking red circles (#1) until that circle turns green

2. Follow the number on the circles, ending with the centre

PURPOSE OF CALIBRATING:

- To match cursor location to point of contact with StarBoard

WHEN TO CALIBRATE:

- Cursor location is different from point of contact
- Projector/StarBoard is not fixed (e.g. not ceiling/wall mounted)
- Multiple laptops connected to StarBoard

Basics: Initial Screen

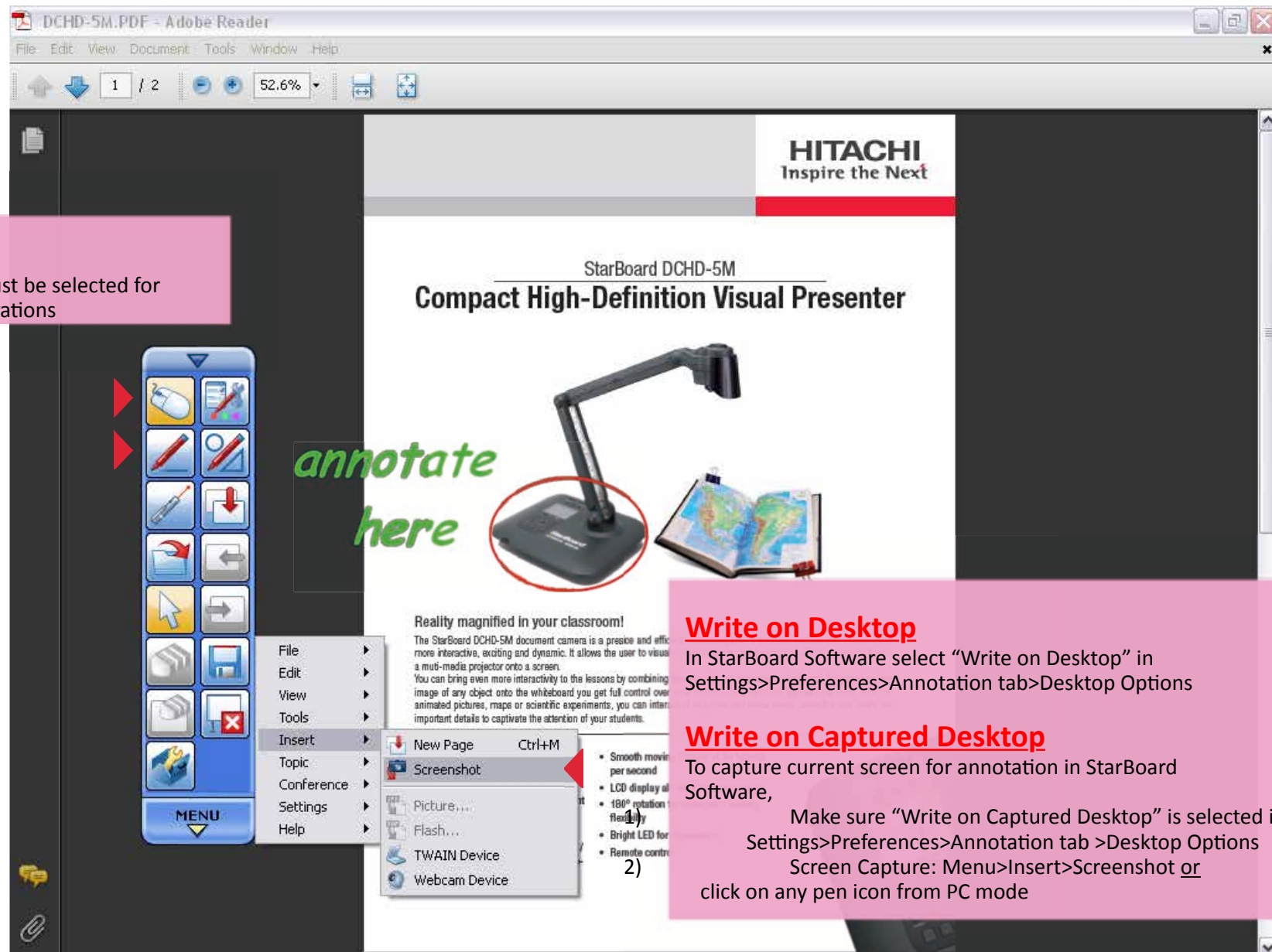
The screenshot shows the StarBoard Software interface with the following components and annotations:

- Menu:** A horizontal menu bar at the top with options: File, Edit, View, Tools, Insert, Topic, Conference, Settings, Help. Annotation: "Menu bar is added like regular Windows applications have."
- Status indicator:** A box at the top right showing a pencil icon, a document icon, and the text "1 / 1". Annotation: "Shows current page and selected tool"
- Side bar:** A vertical sidebar on the left with tabs: Document, Gallery, Properties, View, Conference. The "View" tab is selected. Annotation: "Enables quick access to properties. Side bar has 5 expandable tabs: Document, Gallery, Properties, View and Conference"
- Toggle Side bar:** A button with a double-headed arrow icon. Annotation: "This arrow will switch side bar to the another side"
- Rubbish bin:** A trash can icon at the bottom right. Annotation: "Quickly delete image objects by dragging objects into Rubbish Bin"
- Navigation and Screen Layout:** The main workspace contains a "Navigation" panel with a zoom slider and icons, and a "Screen Layout" panel with icons for Sidebar, Context Bars, Menu Bar, Status Indicator, Scroll Bar, Page Tab, Rubbish Bin, and Full-Screen. It also includes a "Grid Size" slider and checkboxes for "Show Grid Lines", "Snap to Grid Lines", and "Adjust Line Position".

Basics: Mouse Operations

PC Mode

Mouse icon must be selected for Computer operations



Write on Desktop

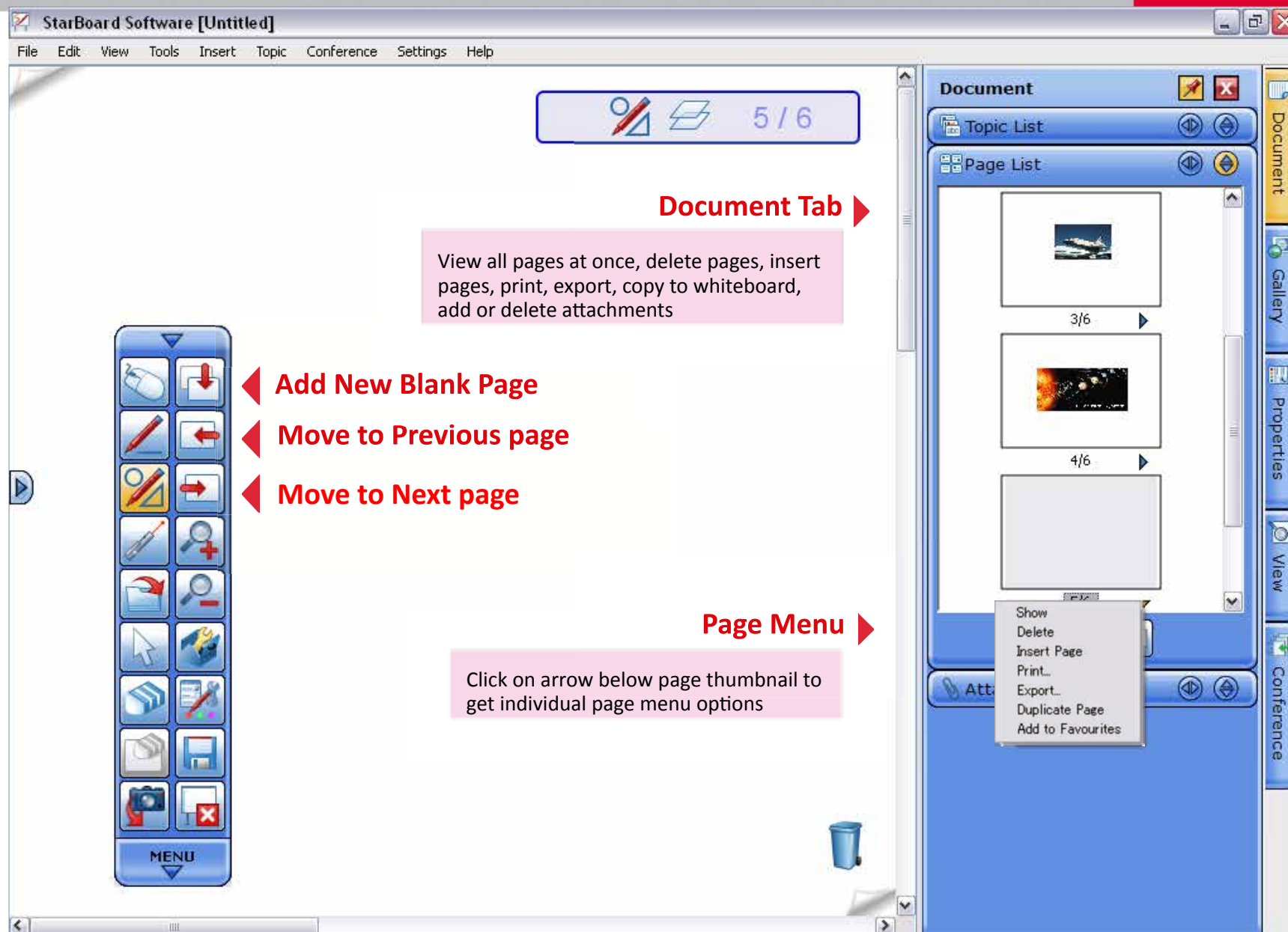
In StarBoard Software select “Write on Desktop” in Settings>Preferences>Annotation tab>Desktop Options

Write on Captured Desktop

To capture current screen for annotation in StarBoard Software,

Make sure “Write on Captured Desktop” is selected in Settings>Preferences>Annotation tab >Desktop Options

Screen Capture: Menu>Insert>Screenshot or click on any pen icon from PC mode



Pen Variations: Normal Pen

The screenshot shows the StarBoard Software interface with several annotations. A red arrow points to the 'Properties Tab' in the top right. Another red arrow points to the 'Normal Pen' icon in the left toolbar. A third red arrow points to the 'Clear Page' icon. A fourth red arrow points to the 'Eraser' icon. A fifth red arrow points to the 'Clear Annotation' icon. The 'Properties' panel on the right shows the 'Tool Properties' section with a grid of 6 ink styles (Normal Pen, Highlighter, Outline Pen, Shadow Pen, Tube Pen, Texture Pen) and a color palette of 12 colors plus 4 customizable colors. Below the color palette is a line shape selector (Solid, dotted, dashed) and a width slider. The 'Object Properties' section shows a 'Background Color' dropdown, a 'Hide Top Layer' checkbox, and a 'Page Expansion' checkbox with the label 'Expand the page automatically'. The 'Page Properties' section shows a 'Background Color' dropdown, a 'Hide Top Layer' checkbox, and a 'Page Expansion' checkbox with the label 'Expand the page automatically'. The 'View' and 'Conference' tabs are also visible on the right side of the interface.

StarBoard Software [Untitled]

File Edit View Tools Insert Topic Conference Settings Help

Properties Tab

6 digital ink styles to choose from: Normal Pen (solid), Highlighter, Outline Pen, Shadow Pen, Tube Pen, Texture Pen

12 colors for each ink / plus 4 customizable colors

Choose the line shape from Solid, dotted or dashed

Small, medium, large / customize width with slider

Normal Pen

Best for annotations and freehand

Clear Page

Erase entire page (current page)

Eraser

Erases lines made with Normal Pen

Clear Annotation

Erase annotation only (current page)

Properties

Tool Properties

6 digital ink styles to choose from: Normal Pen (solid), Highlighter, Outline Pen, Shadow Pen, Tube Pen, Texture Pen

12 colors for each ink / plus 4 customizable colors

Choose the line shape from Solid, dotted or dashed

Small, medium, large / customize width with slider

Object Properties

Page Properties

Background Color

Hide Top Layer

Page Expansion

Expand the page automatically

Document

Gallery

Properties

View

Conference



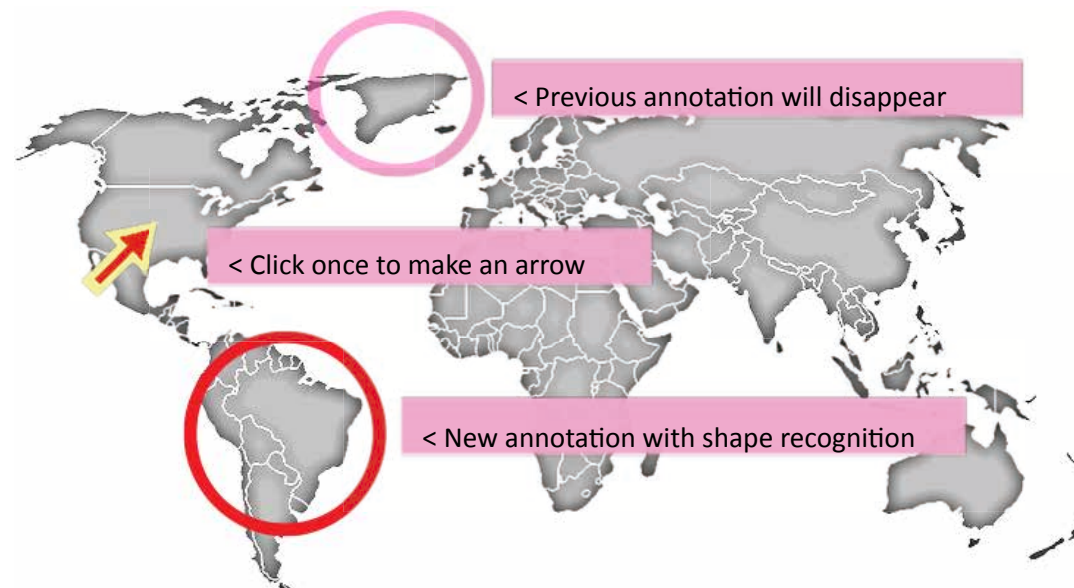
Intelli-Pen

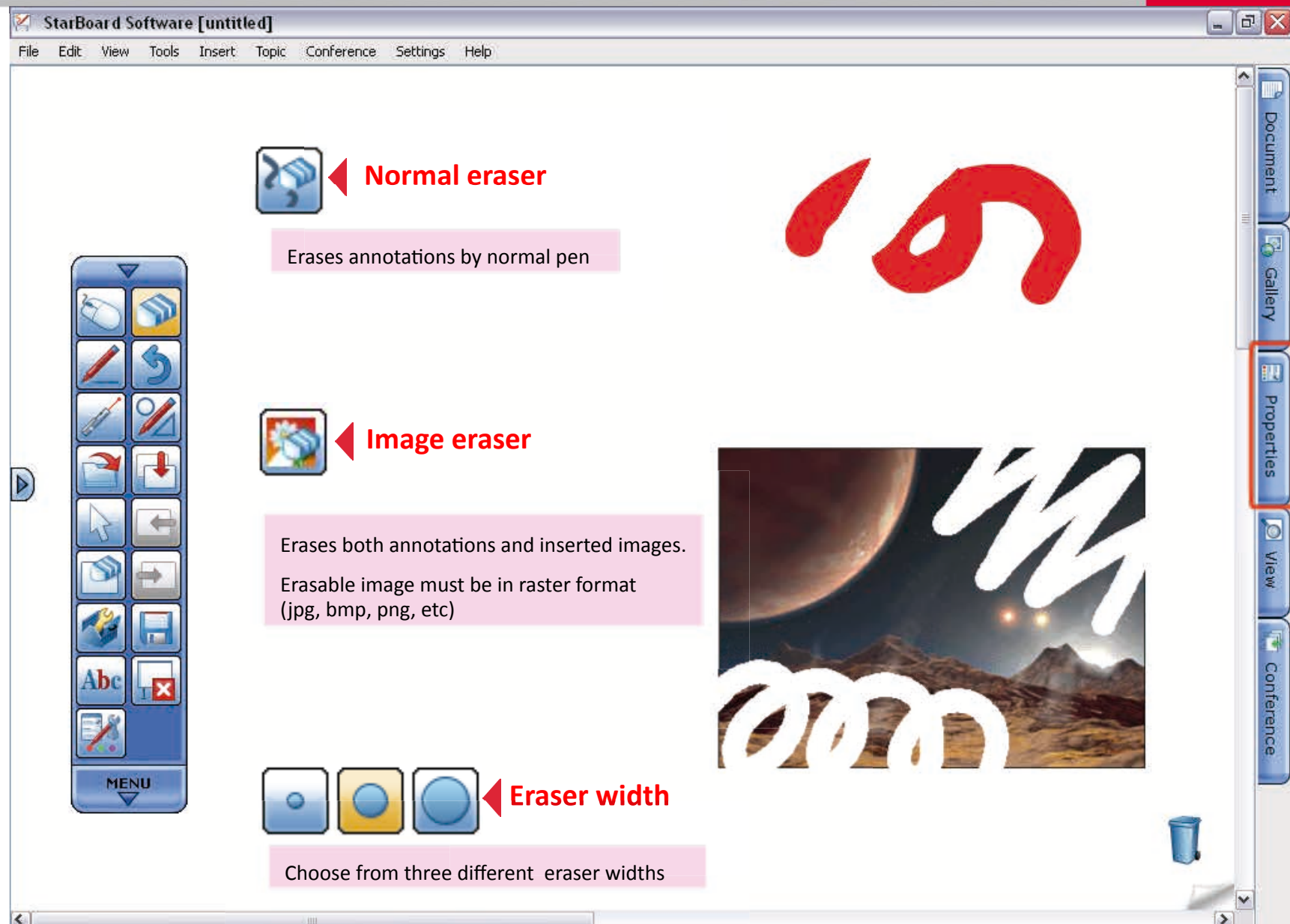
- Automatically converts freehand shapes into geometric objects (supported shapes: rectangle, circle, arrow, star, triangle, polygon, Diamond, Line)
- Convert handwriting into text
- Search text in Google, Wikipedia, or any search engines
- Great for Math lessons when used with grid

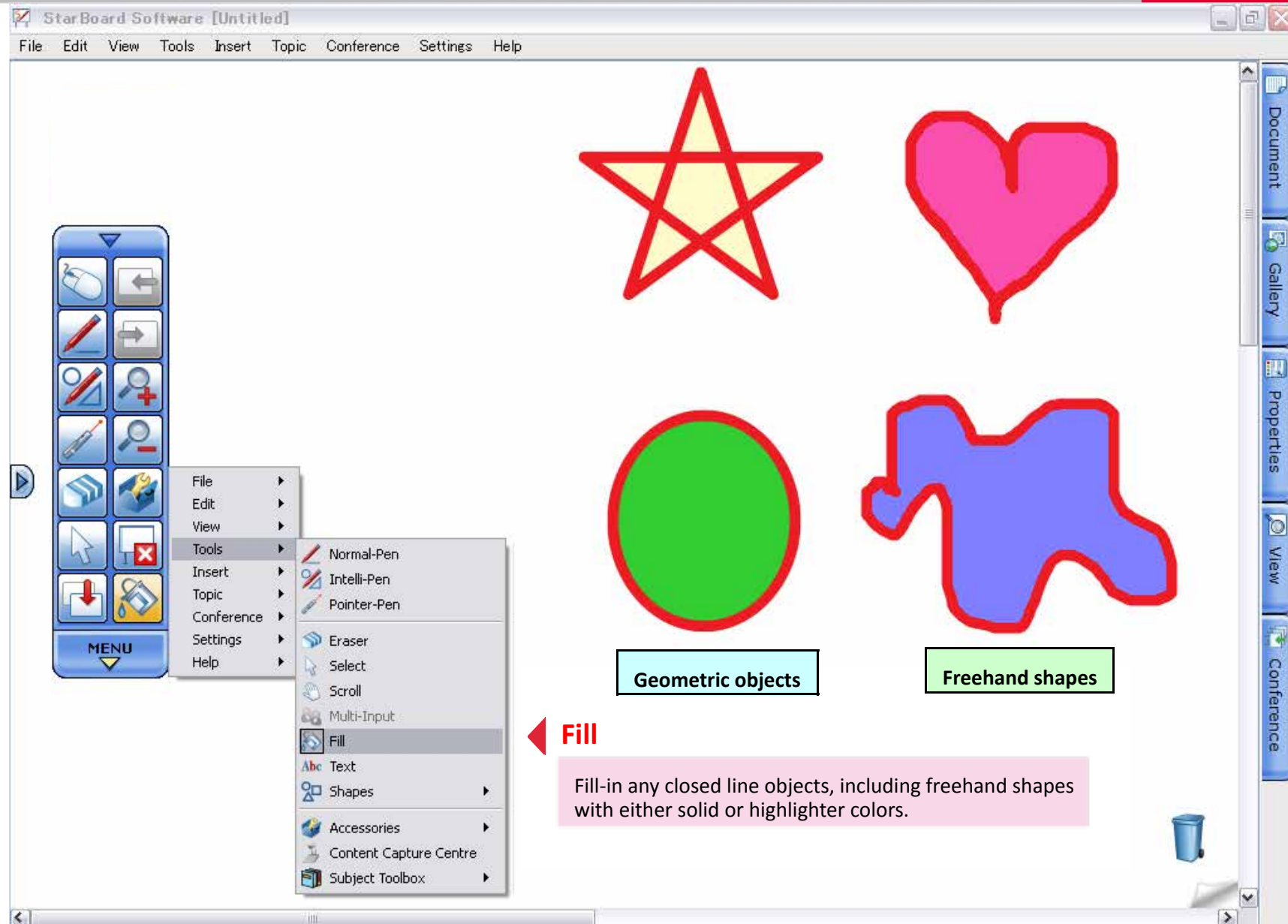


Pointer Pen

- Works the same as a laser pointer
- With each annotation, the previous annotation will disappear
- Click once to make an arrow
- Works well with presentations







StarBoard Software [Untitled]

File Edit View Tools Insert Topic Conference Settings Help

Convert handwriting into text

- 1) Write out word or phrase using Intelli-Pen
- 2) Select word by clicking on it once with Intelli-pen (Menu bar will automatically appear)
- 3) Choose the word from the menu to replace writing with text

Intelli- Pen

Best for writing notes and drawing shapes

photosynthesis

photosynthesis

MENU

- photosynthesis
- photosyn□thesis
- Cut Ctrl+X
- Copy Ctrl+C
- Duplicate
- Delete Del
- Lock
- Edit Hyperlink...
- Object Properties
- Add to Favourites
- Order
- Rotate/Flip
- Search photosynthesis in Google
- Search photosynthesis in Wikipedia

Search Text in Google™ / Wikipedia

StarBoard Software [Untitled]

File Edit View Tools Insert Topic Conference Settings Help

Select handwriting or text to bring up menu bar, then select "Search in Google"

Google Search

photosynthesis

photosyn□thesis

Cut Ctrl+X
Copy Ctrl+C
Duplicate
Delete Del
Lock
Edit Hyperlink...
Object Properties
Add to Favourites
Order
Rotate/Flip
Search photosynthesis in Google
Search photosynthesis in Wikipedia

Select handwriting or text to bring up menu bar, then select "Search in Wikipedia"

Wikipedia Search

photosynthesis - Google Search - Windows Internet Explorer

photosynthesis - Wikipedia, the free encyclopedia - Windows Internet Explorer

WIKIPEDIA
The Free Encyclopedia

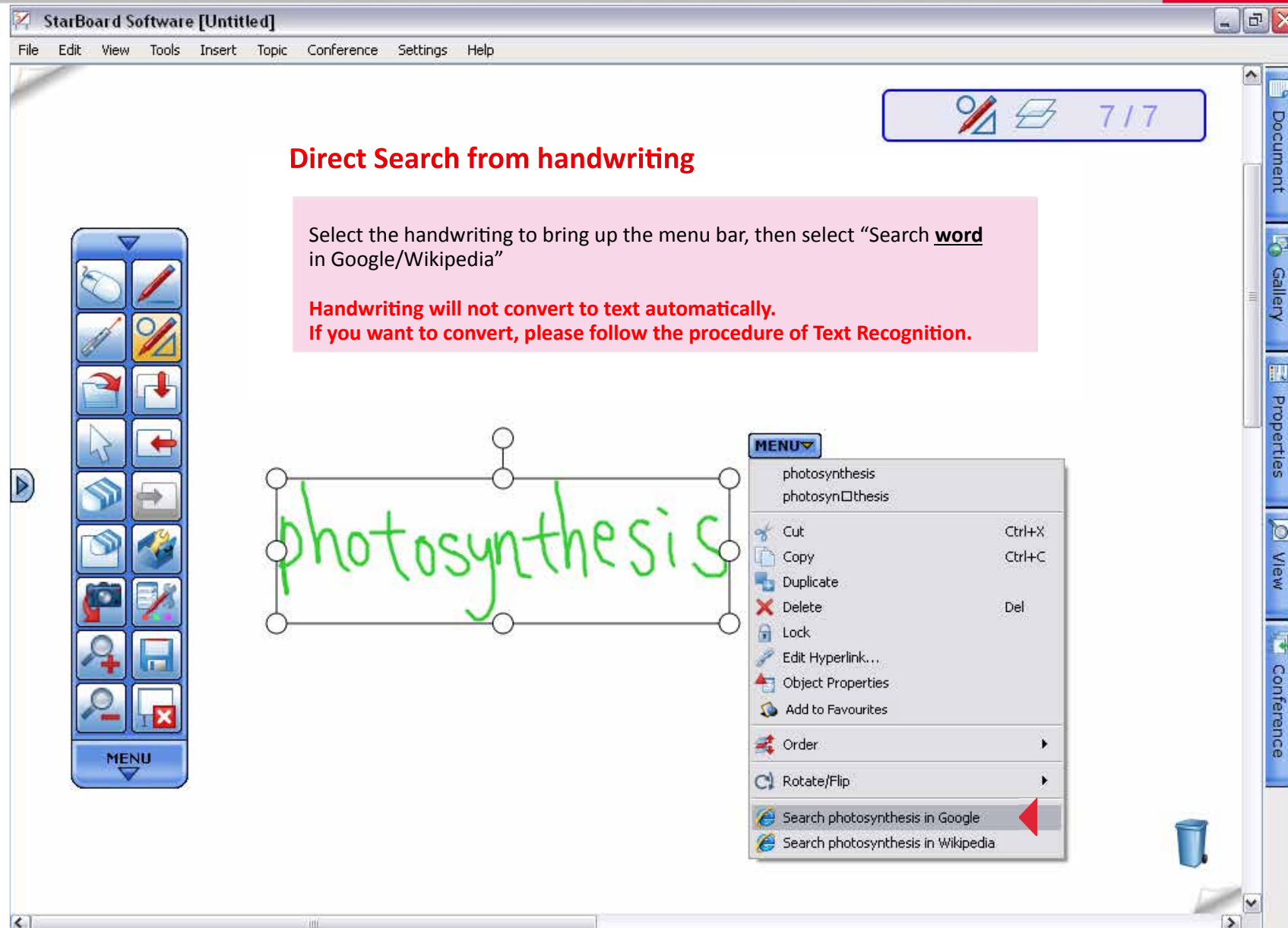
Photosynthesis

This article needs additional citations for verification. Please help improve this article by adding reliable references. Unsourced material may be challenged and removed. (August 2007)

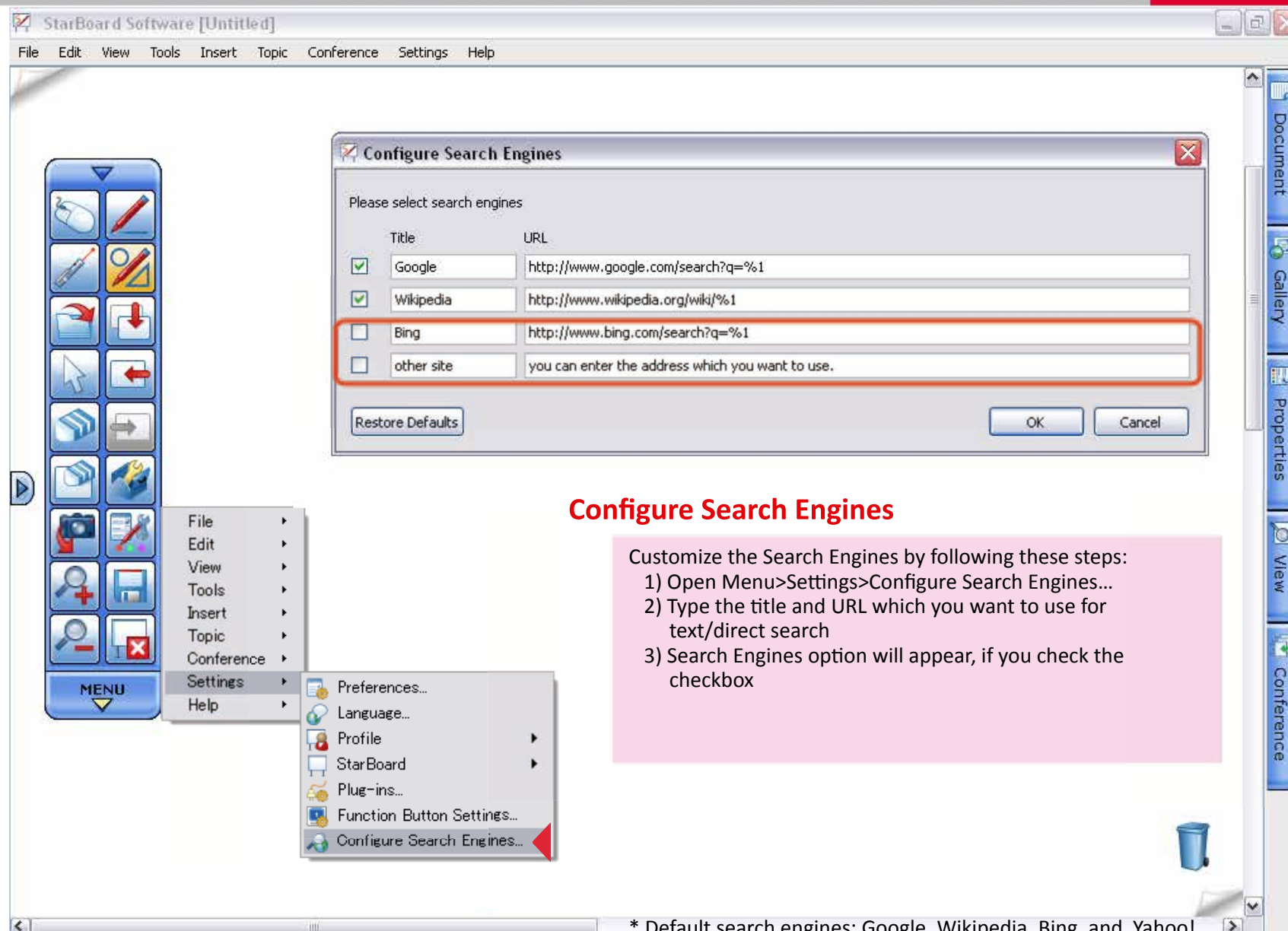
Photosynthesis (from the Greek *phōto-* [photo-] "light" and *bios* [synthesis] "putting together", "composition") is a process that converts carbon dioxide into organic compounds, especially sugars, using the energy from sunlight.^[1] Photosynthesis occurs in plants, algae, and many species of bacteria, but not in archaea. Photosynthetic organisms are called *photoautotrophs*, since they can create their own food. In plants, algae, and cyanobacteria, photosynthesis uses carbon dioxide and water, releasing oxygen as a waste product.

Composite image showing the global distribution of photosynthesis, including both oceanic phytoplankton and land vegetation.

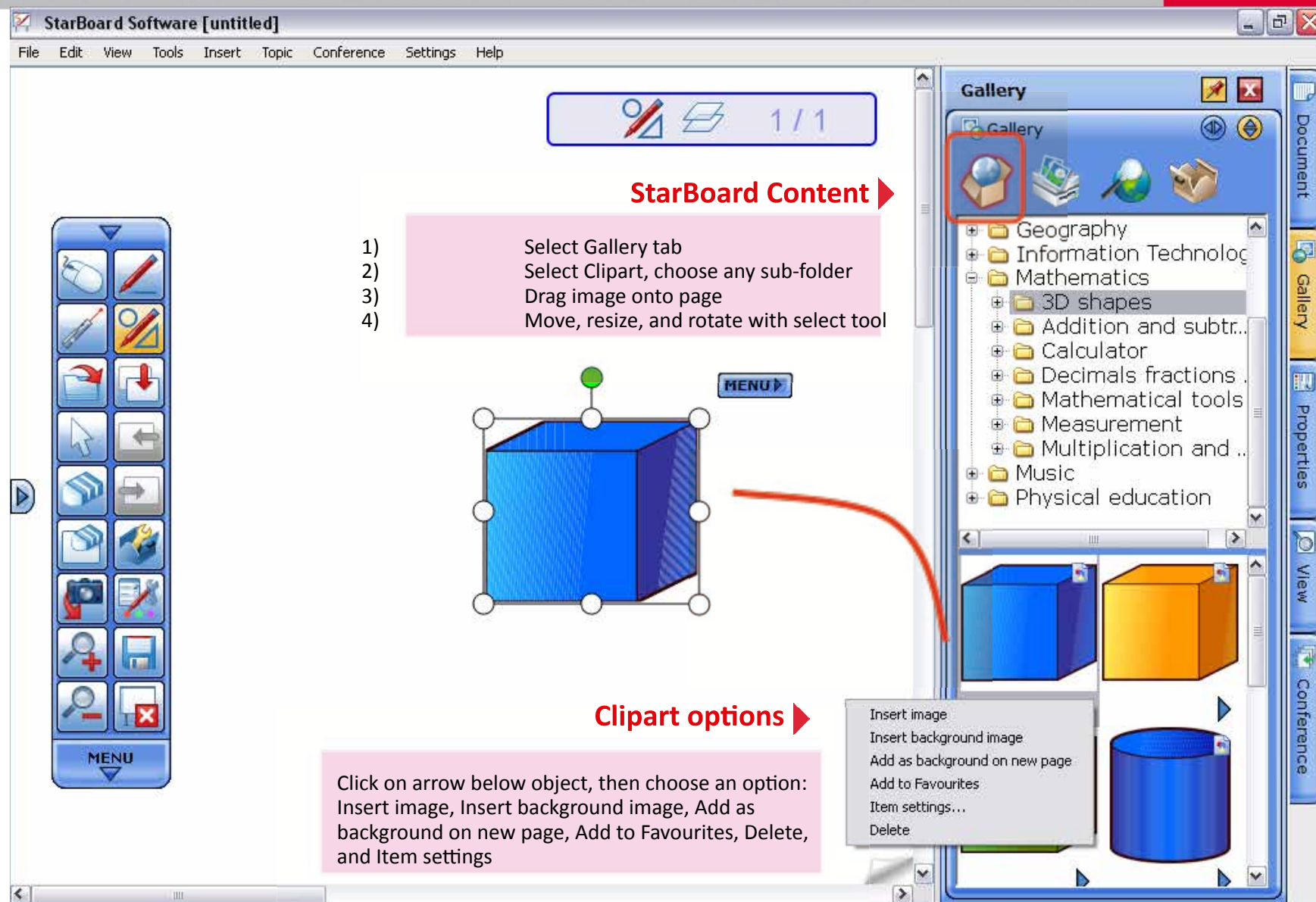
6CO₂ + 6H₂O + Light → C₆H₁₂O₆ + 6O₂
Carbon dioxide + Water + Light → Sugar + Oxygen



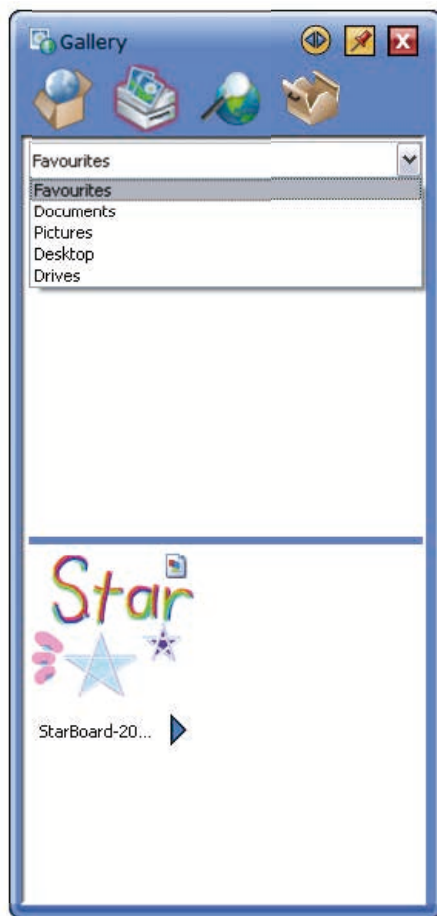
Configure Search Engines



* Default search engines: Google, Wikipedia, Bing, and Yahoo!



Gallery: Other Icons in Gallery ☆New☆



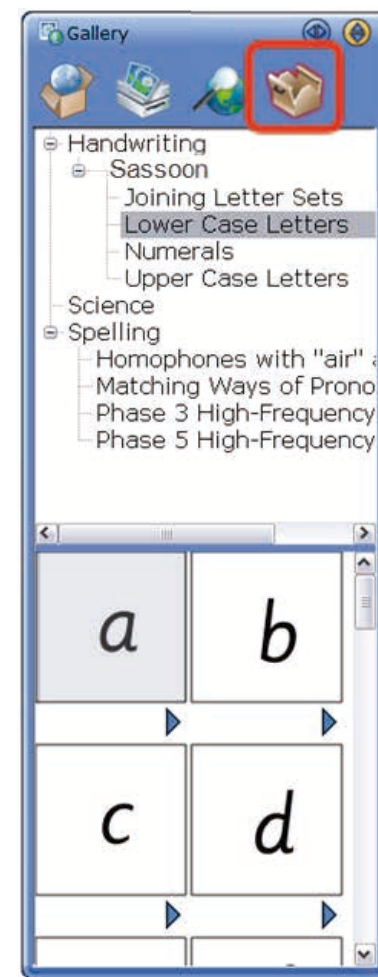
Favourites/Drives

Access to Favourites, MyDocuments, MyPictures, Desktop, and any drives from this icon and import objects to StarBoard Software.



Google Image Search

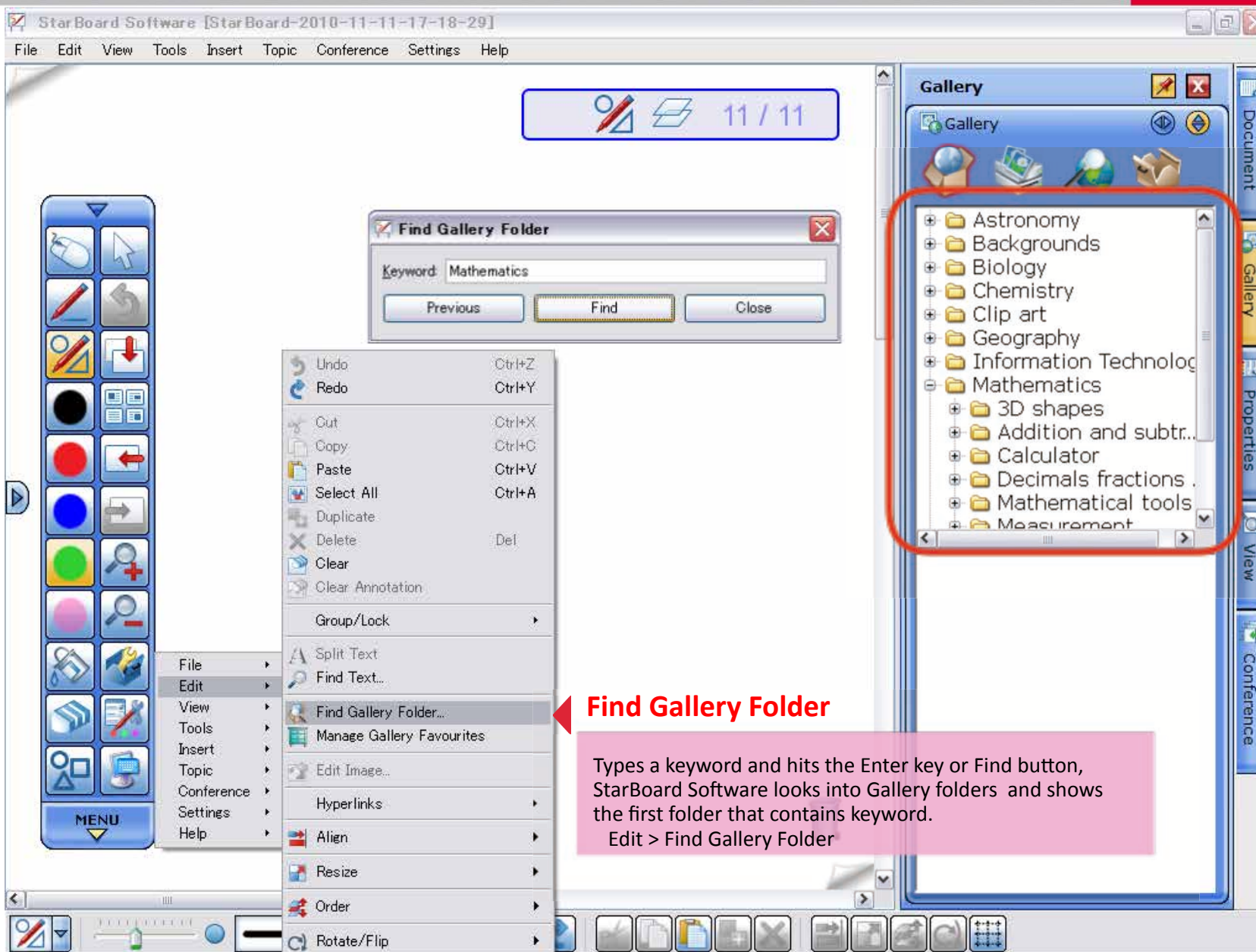
Search Google Image directly in StarBoard Software.
For Detail, refer to "Google Image Search" in page 22.



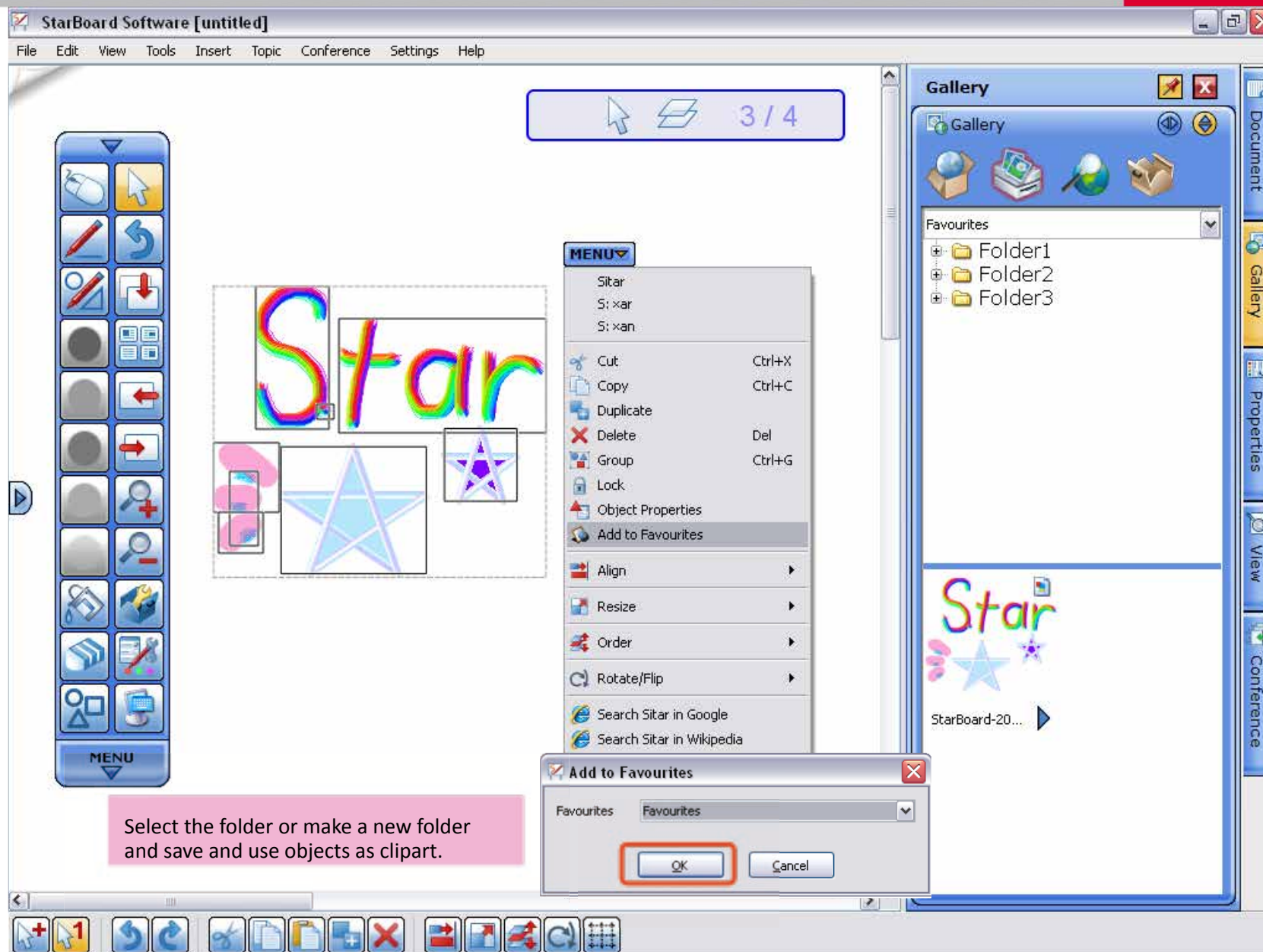
ToolBox Contents

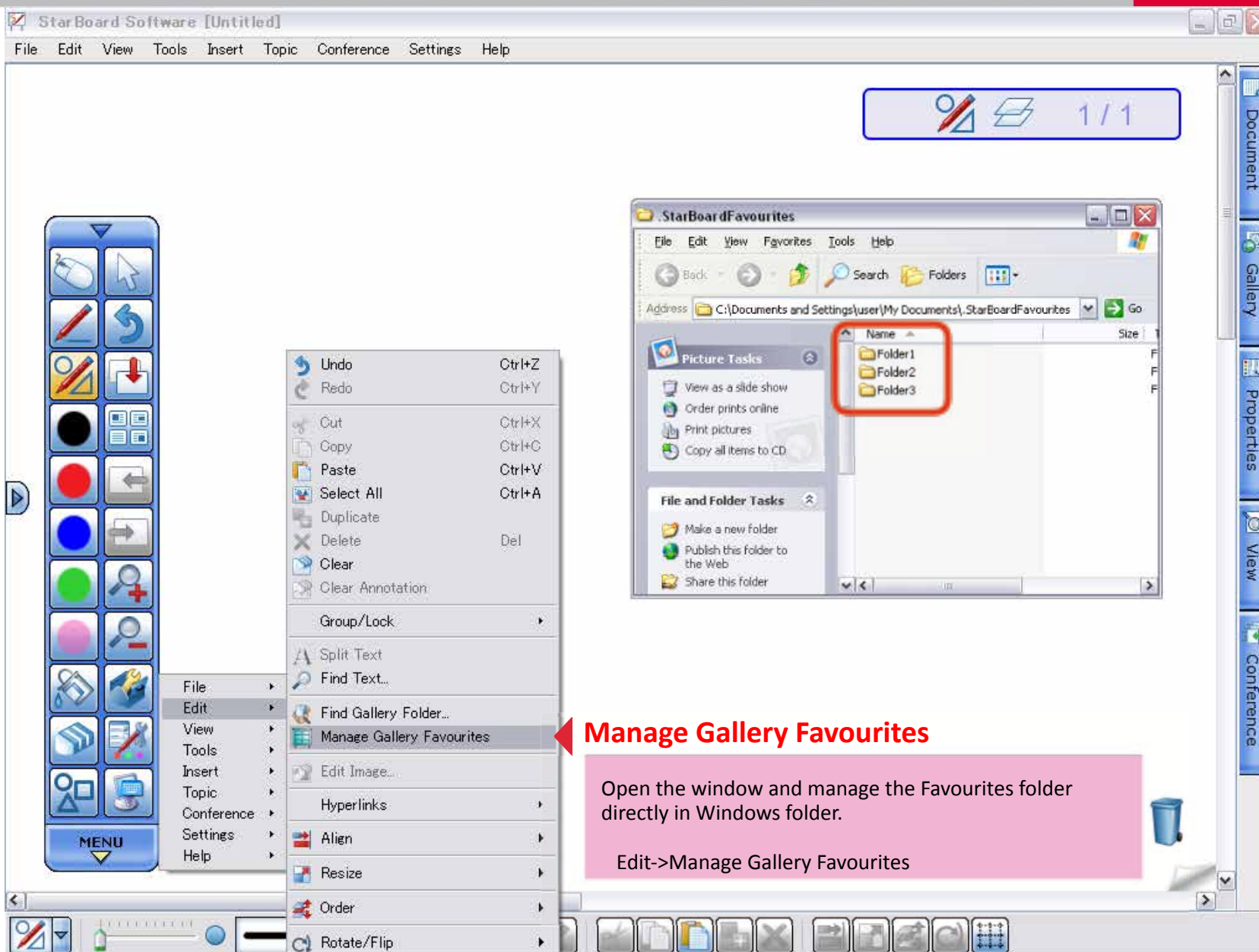
Access to ToolBox Contents includes; Handwriting, Science, and Spelling.
For detail, refer to "Handwriting/Spelling Toolbox" in page 43.

Gallery: Find Gallery Folder ☆New☆



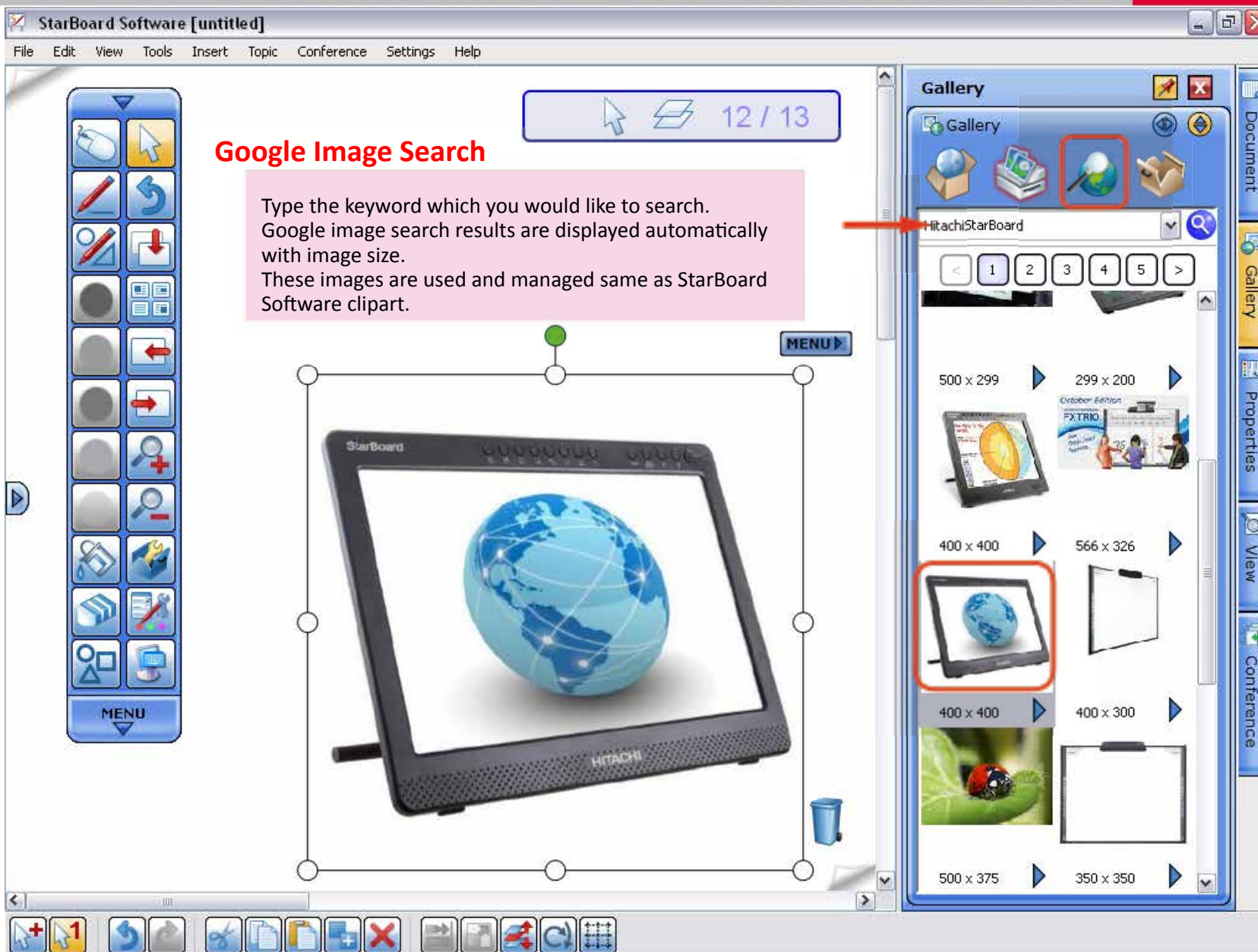
Gallery: Favourites – Add to Favourite ☆New☆





Integrated Google Image Search ☆New☆

HITACHI
Inspire the Next

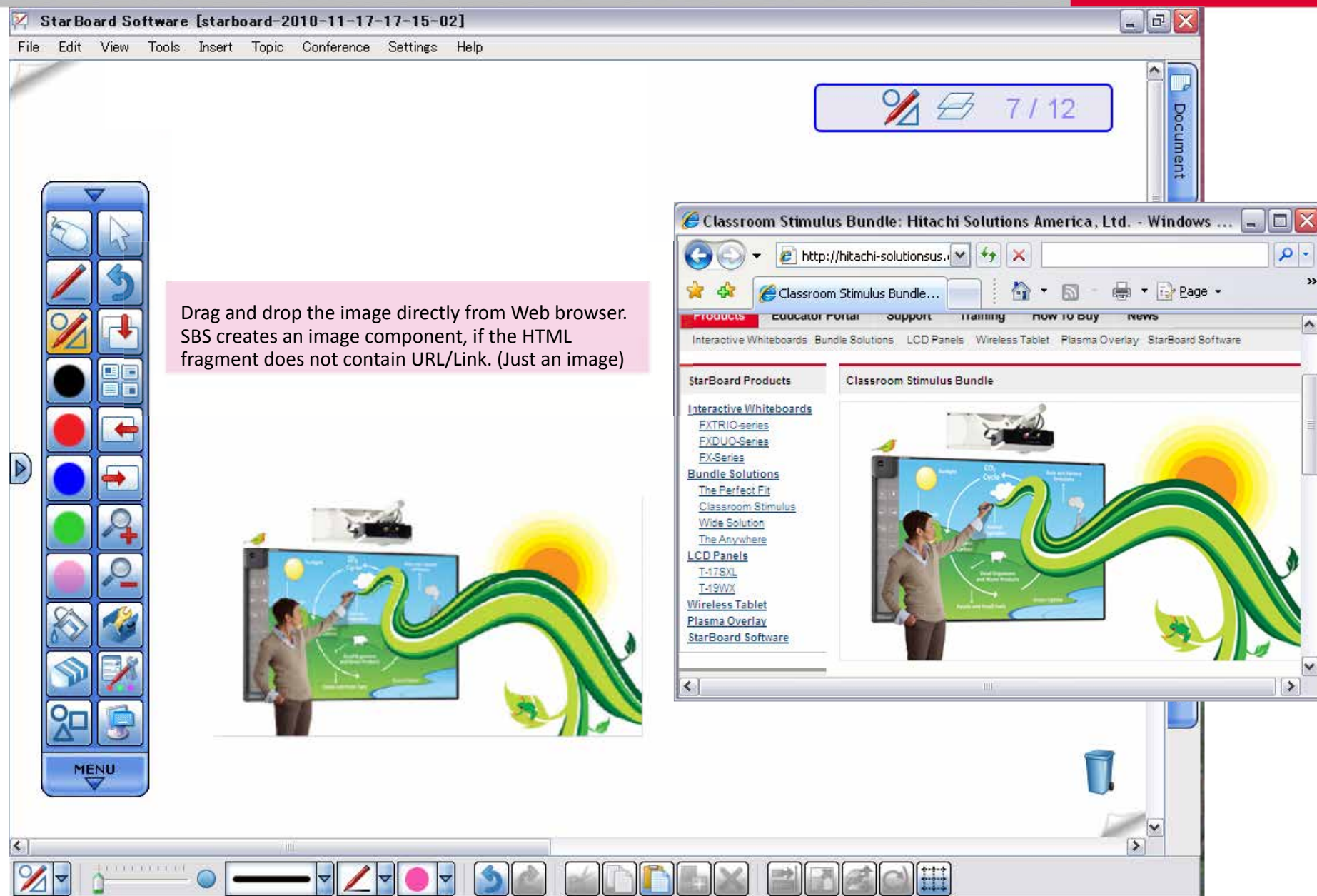


StarBoard

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▶ Drag and Drop images from Web browser ☆New☆

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StarBoard

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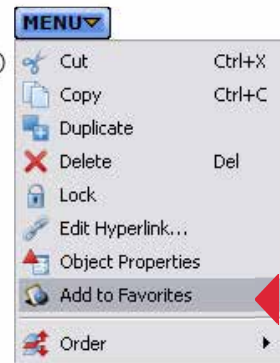
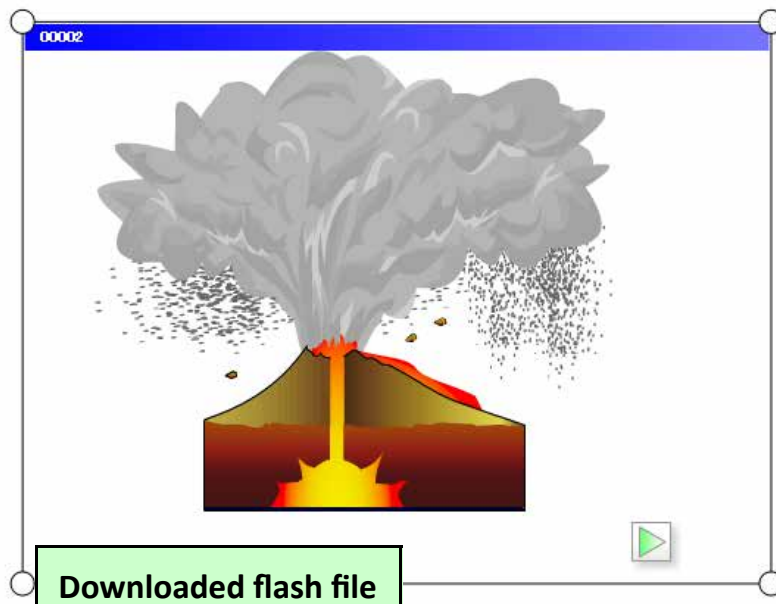


Flash Learning Object

kilograms and grams 3



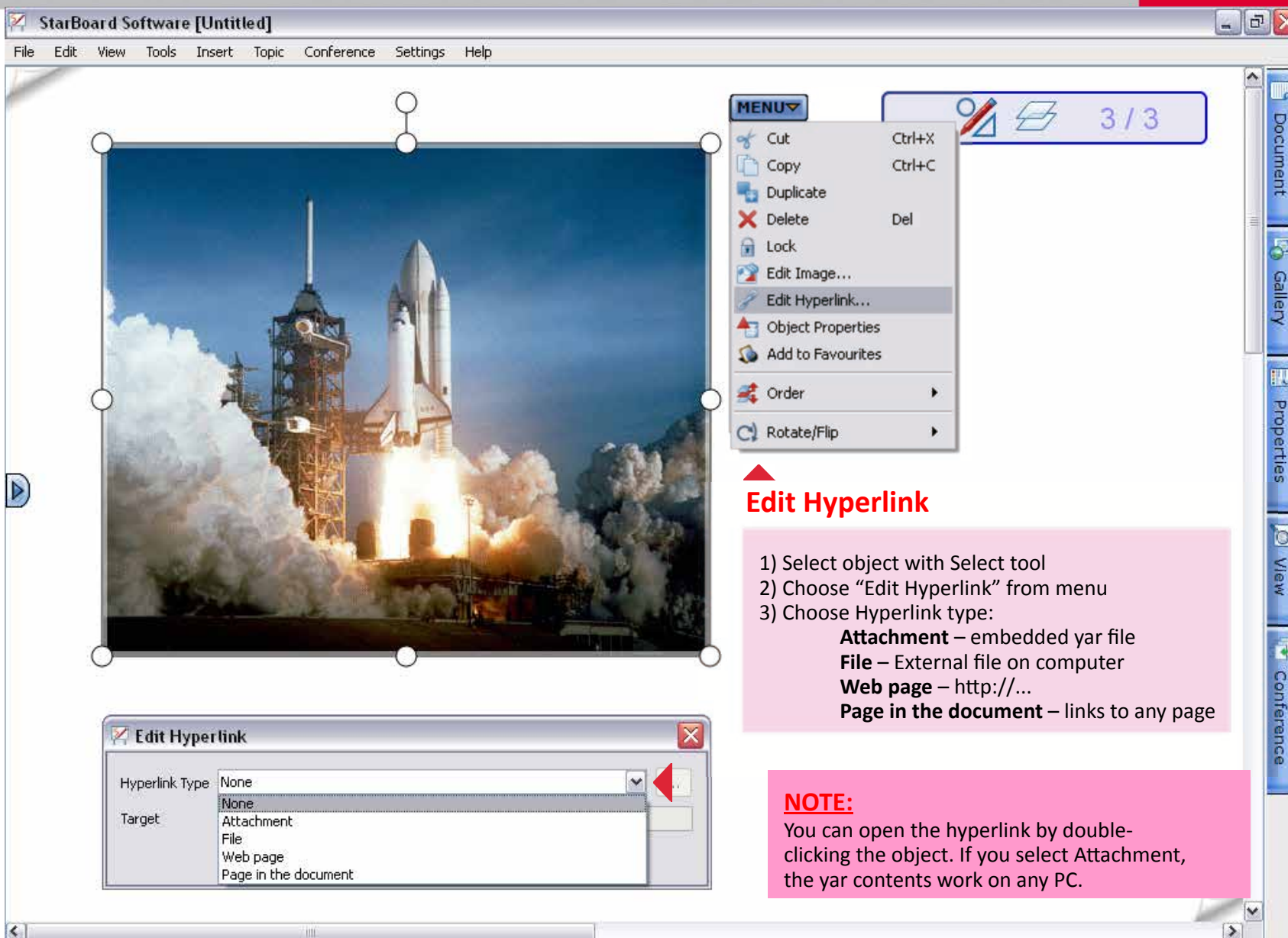
Default file in Clip Art

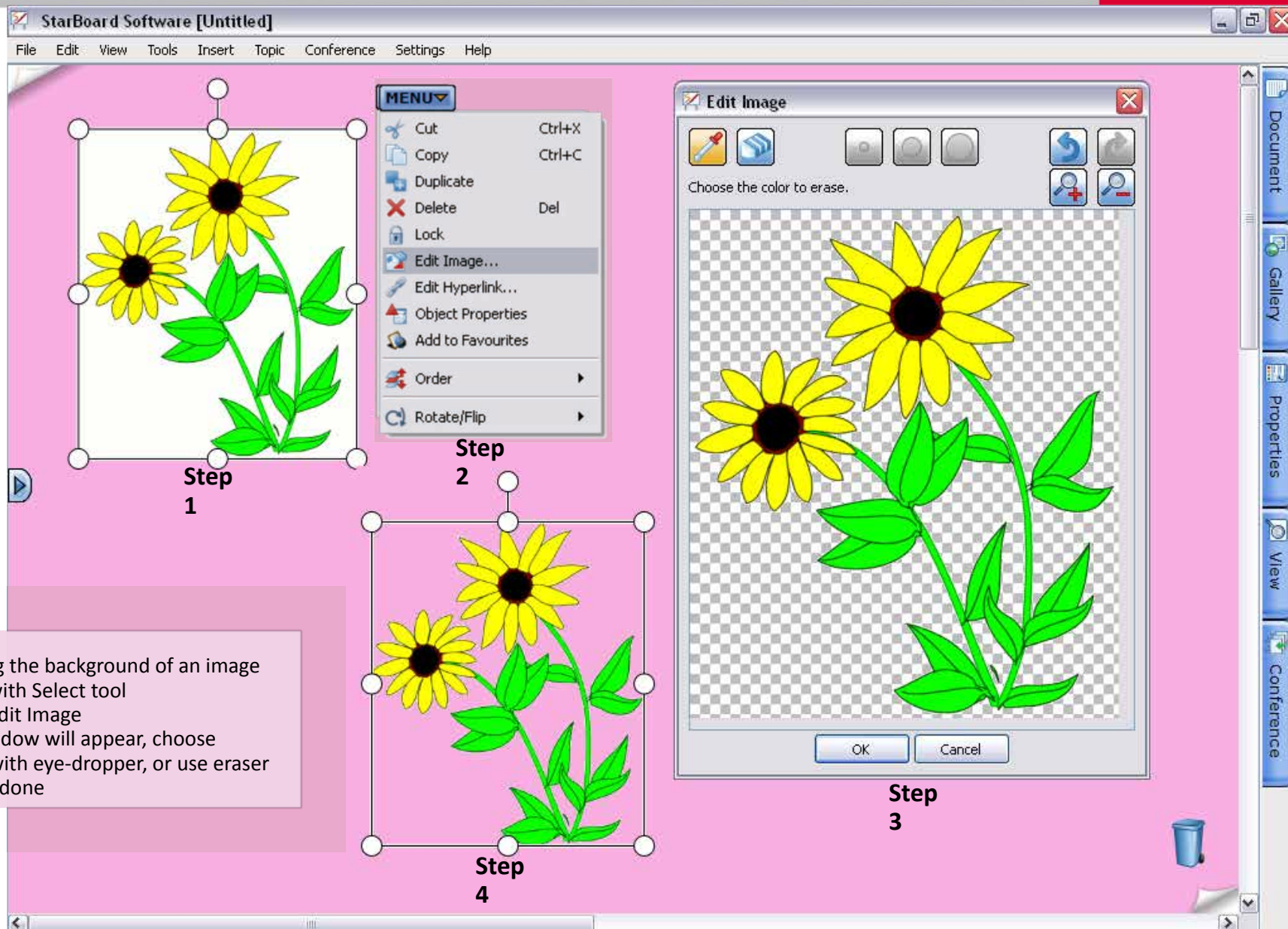


Flash learning object

Many Interactive flash files which is good for learning Math and Science are already included in Clipart. Or you can use you own/downloaded flash files in StarBoard Software as an object by simply drag and drop the file on to StarBoard Software. Also, you can save the file as Clip Art. Select the file, Menu> Add to Favourites

Hyperlink / File Attachment



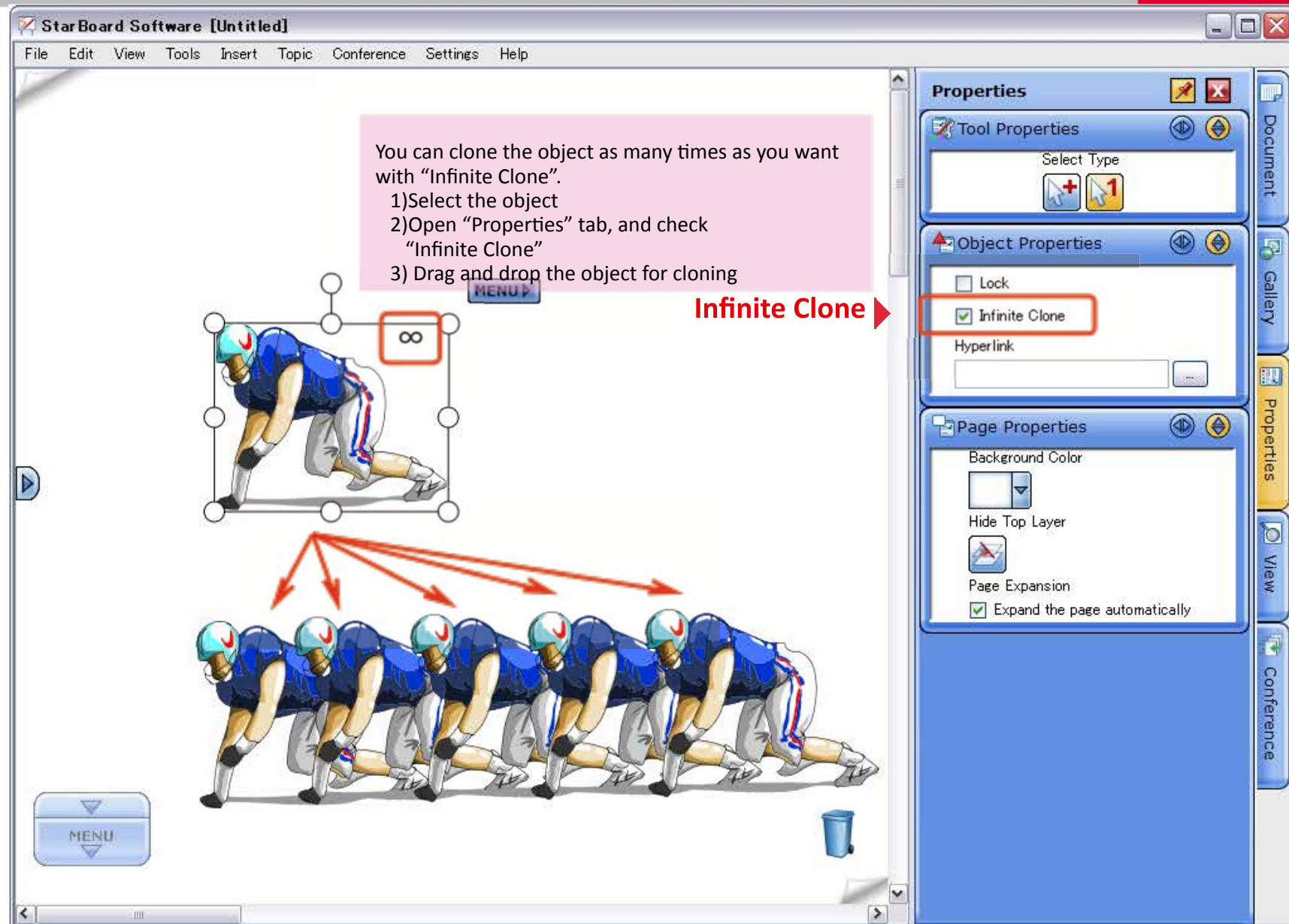


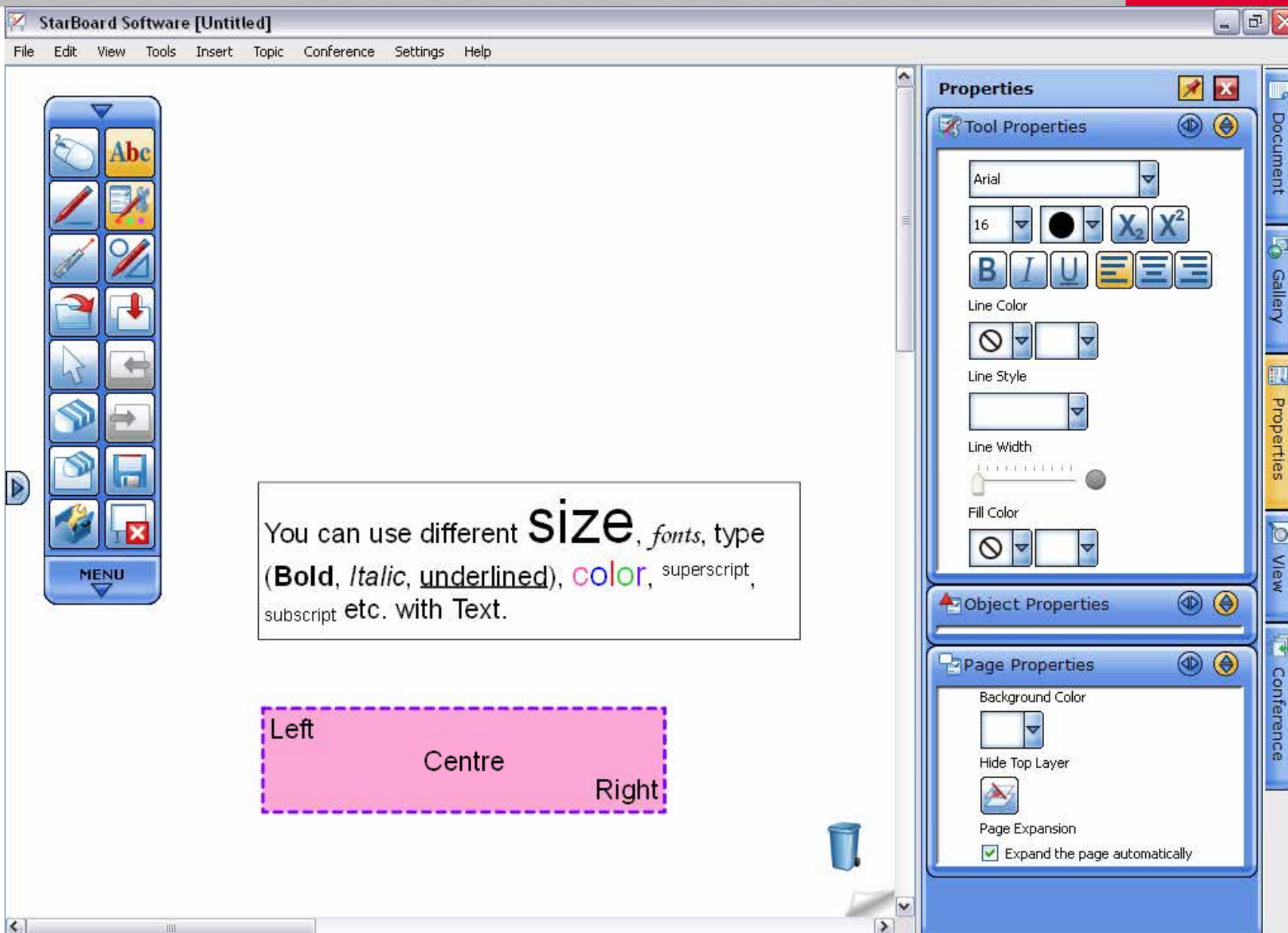
Edit Image

Great for deleting the background of an image

- 1) Select image with Select tool
- 2) Go to Menu>Edit Image
- 3) Edit Image window will appear, choose color to erase with eye-dropper, or use eraser
Press OK when done

▶ Infinite Clone object





HITACHI
Inspire the Next



- ## Save toolbar

- ## Load toolbar

- NOTE:**

Settings>Profile>New profile

- 1) Standard settings (DUO/TRIO)
- 2) Standard settings (other models)
- 3) Simple settings (DUO/TRIO)
- 4) Simple settings (other models)
- 5) Slideshow settings

Customize Toolbar(continued) – Action Component

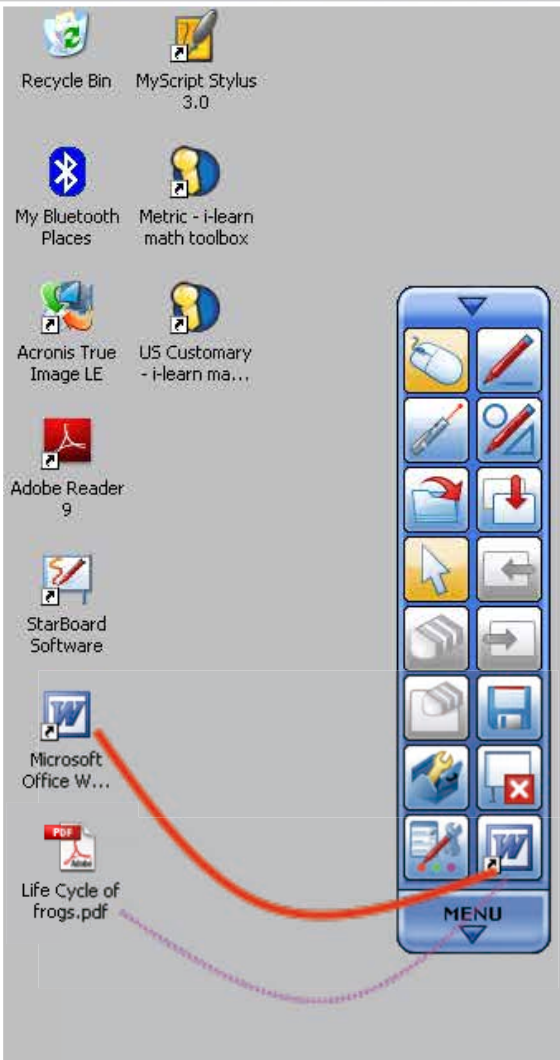
The screenshot displays the StarBoard Software interface with a menu bar (File, Edit, View, Tools, Insert, Topic, Conference, Settings, Help) and a toolbar. A vertical toolbar on the left contains various icons, including a 'MENU' button at the bottom. A map of the United States is shown in the center. On the right, there are three panels: 'Properties' (containing 'Tool Properties' with a color palette and drawing tools), 'Object Properties', and 'Page Properties' (with options for Background Color, Hide Top Layer, and Page Expansion). Two red arrows point from the text boxes below to specific icons in the toolbar: one to a yellow pencil icon and another to a blue circular arrow icon.

Create button on page

- 1) Click, hold down button on toolbar or menu
- 2) Drag and drop button onto page
- 3) Menu will prompt you with 3 options:
Create button on page
Remove button from toolbar
Cancel
Select "Create button on page"

Remove button from page

- 1) Select button with Select tool
- 2) Go to Menu>Delete (or) drag and drop it into Rubbish bin



Add external apps and docs to toolbar

While in Mouse operations mode, locate the application or document you want to add and drag it onto the toolbar

Example1:

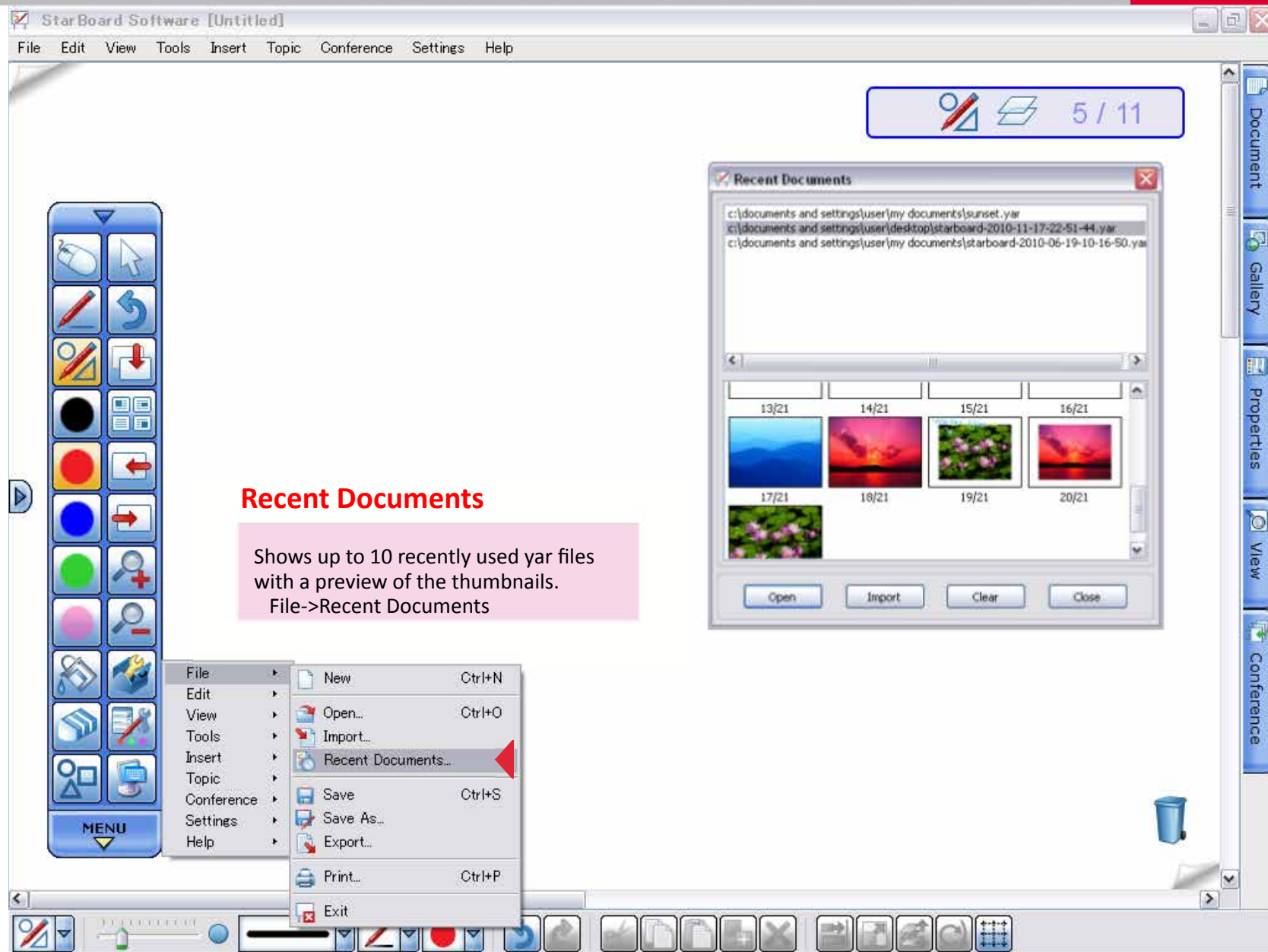
After adding Microsoft Word to the StarBoard toolbar, you can now quickly launch the Microsoft Word from StarBoard Software

Example2:

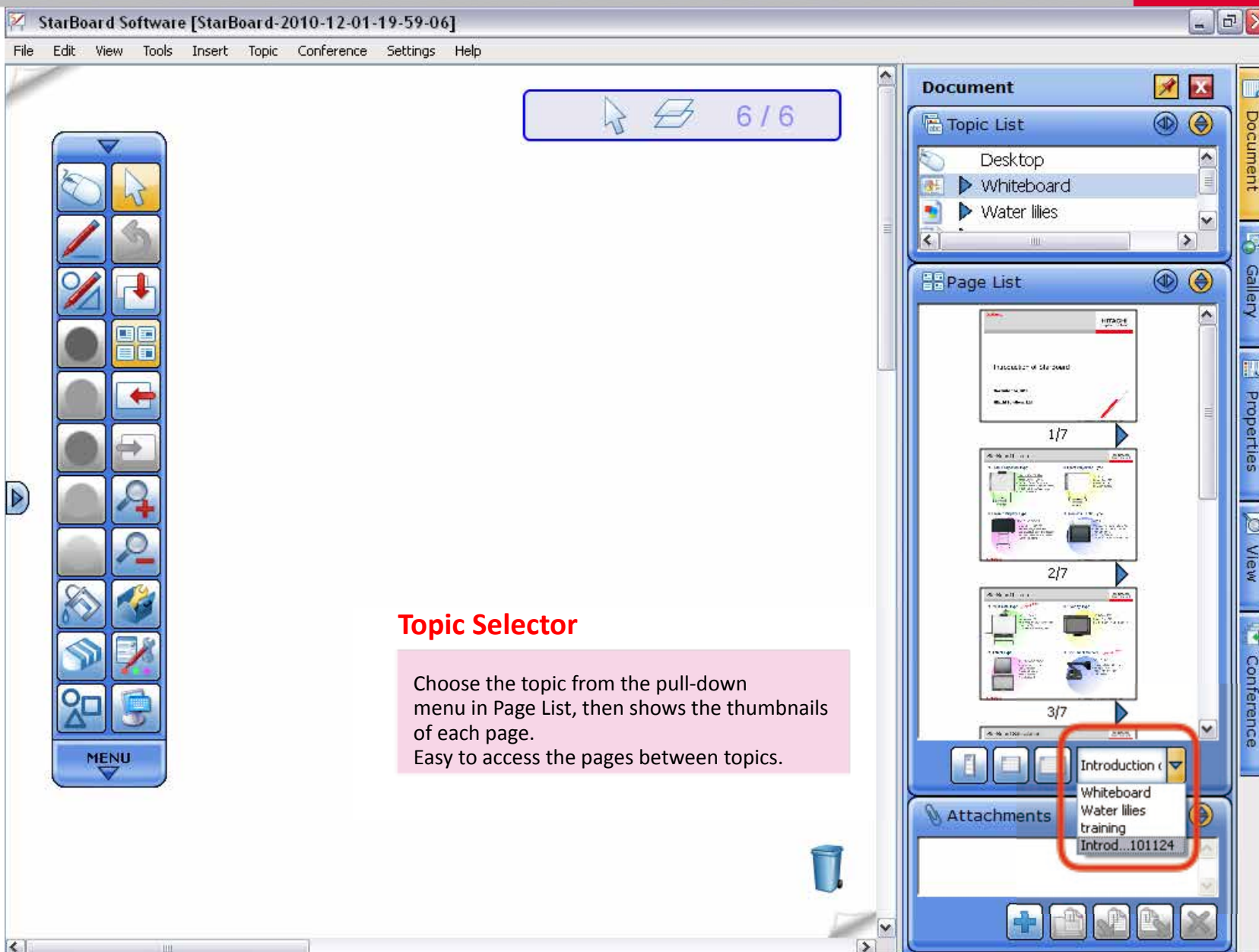
After adding your specific document which you want to open by the original application, you can create the shortcut in StarBoard Software and open from toolbar

* Shortcut/document name will be shown by hovering the cursor on the icon

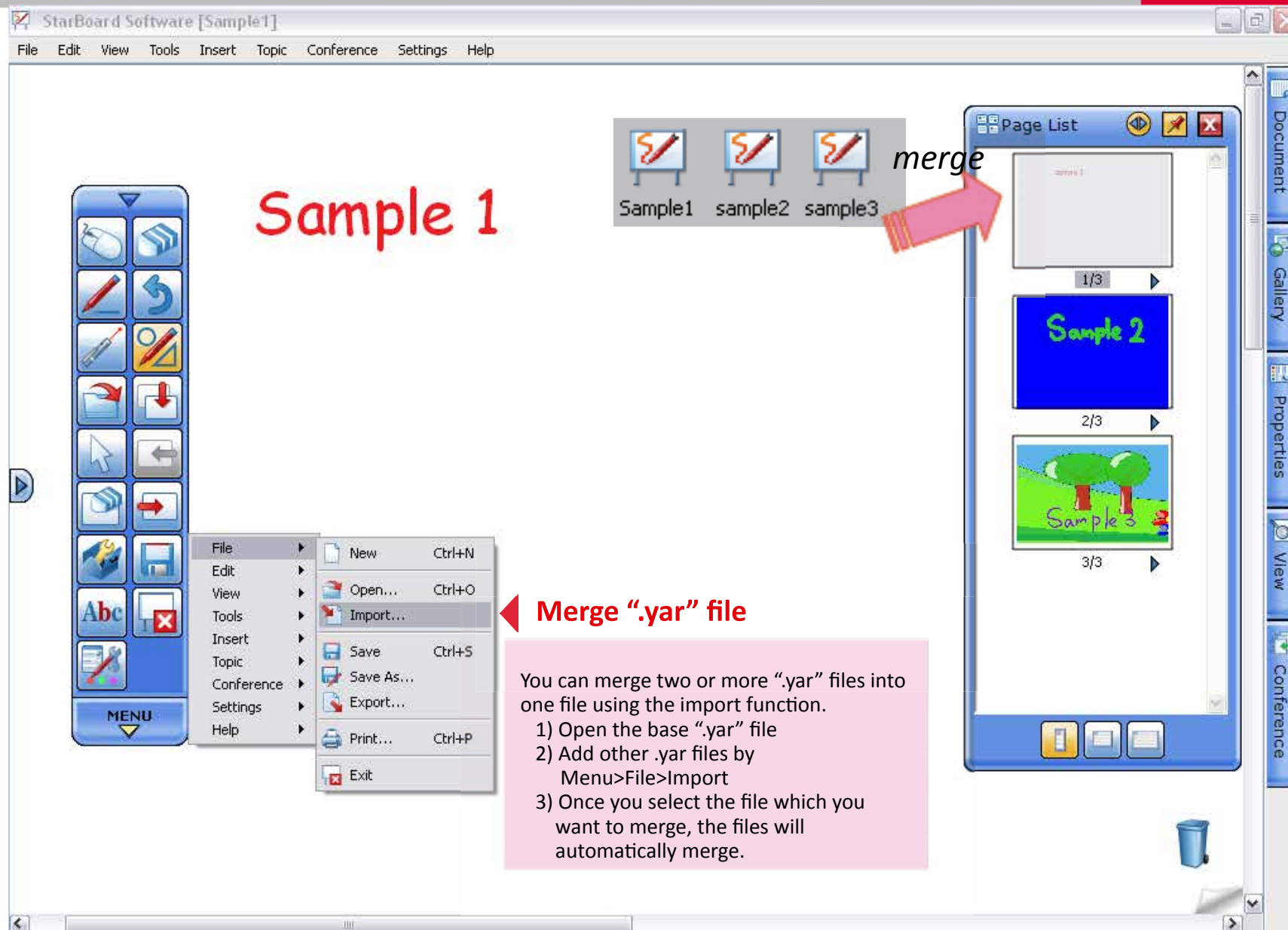
Recent Documents chooser ☆New☆

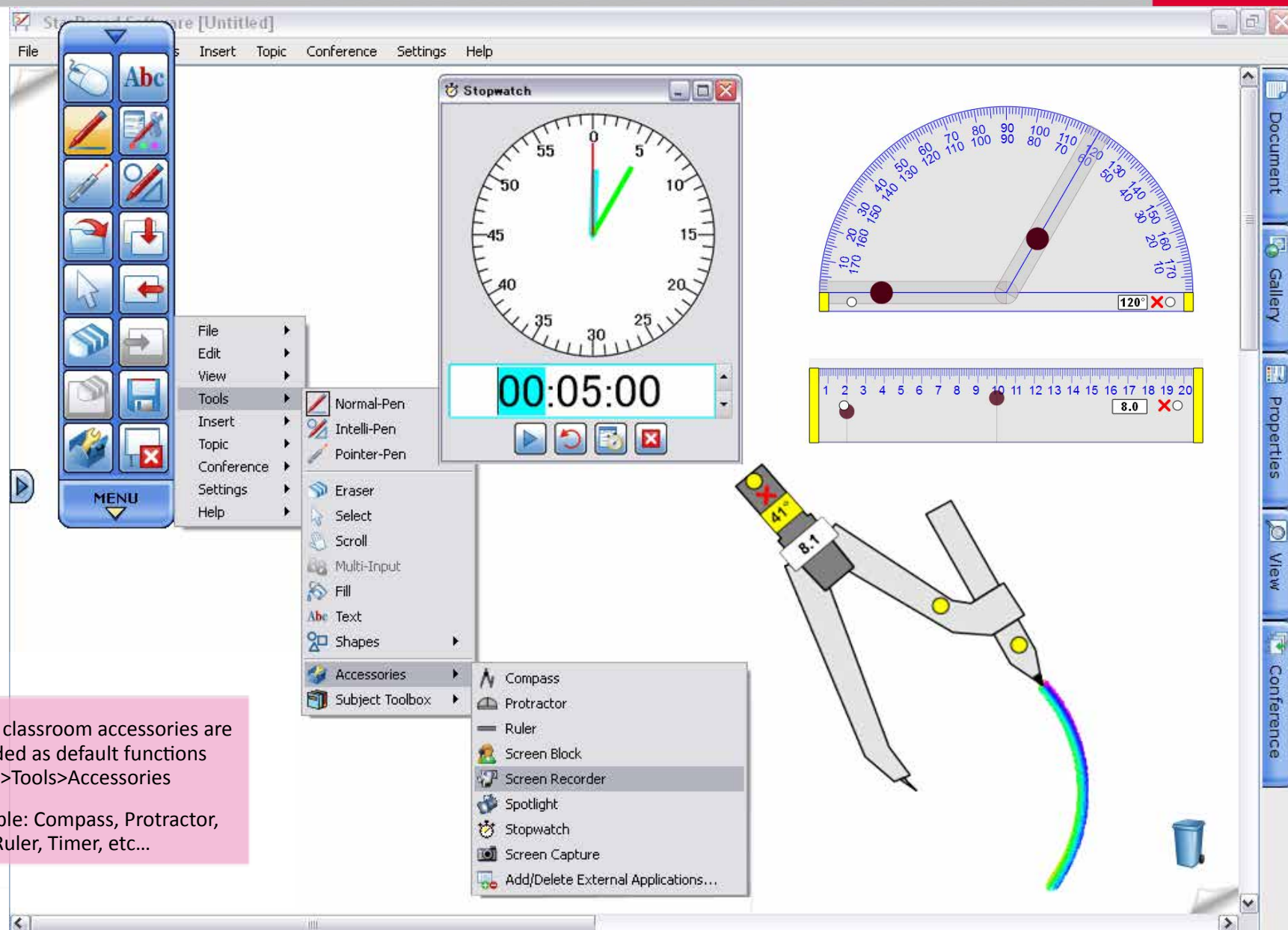


► Topic Selector in Page List ☆New☆



Merge “.yar” files





Some classroom accessories are provided as default functions
Menu>Tools>Accessories

Example: Compass, Protractor, Ruler, Timer, etc...

Arc component ☆New☆

The screenshot displays the StarBoard Software interface. The main workspace shows a green arc being drawn with a compass tool. A text box explains: "After you describe an arc with compass (less than 360 degrees), check 'Show Radius Lines' in Properties tab. The arc component renders radius lines in addition to the arc. Also manage the angle of the arc." The Properties panel on the right shows the 'Object Properties' tab with the 'Show Radius Lines' checkbox checked. The 'Tools' menu is open, showing the 'Compass' tool selected. The 'Properties' panel also shows 'Tool Properties' and 'Object Properties' sections.

StarBoard Software [StarBoard-2010-11-11-17-18-29]

File Edit View Tools Insert Topic Conference Settings Help

1 / 11

After you describe an arc with compass (less than 360 degrees), check "Show Radius Lines" in Properties tab. The arc component renders radius lines in addition to the arc. Also manage the angle of the arc.

File Edit View Tools Insert Topic Conference Settings Help

Normal-Pen Intelli-Pen Pointer-Pen Compass Protractor Ruler Screen Keyboard screenblock screenrecorder Spotlight stopwatch Screen Capture Accessories Add/Delete External Applications...

Properties

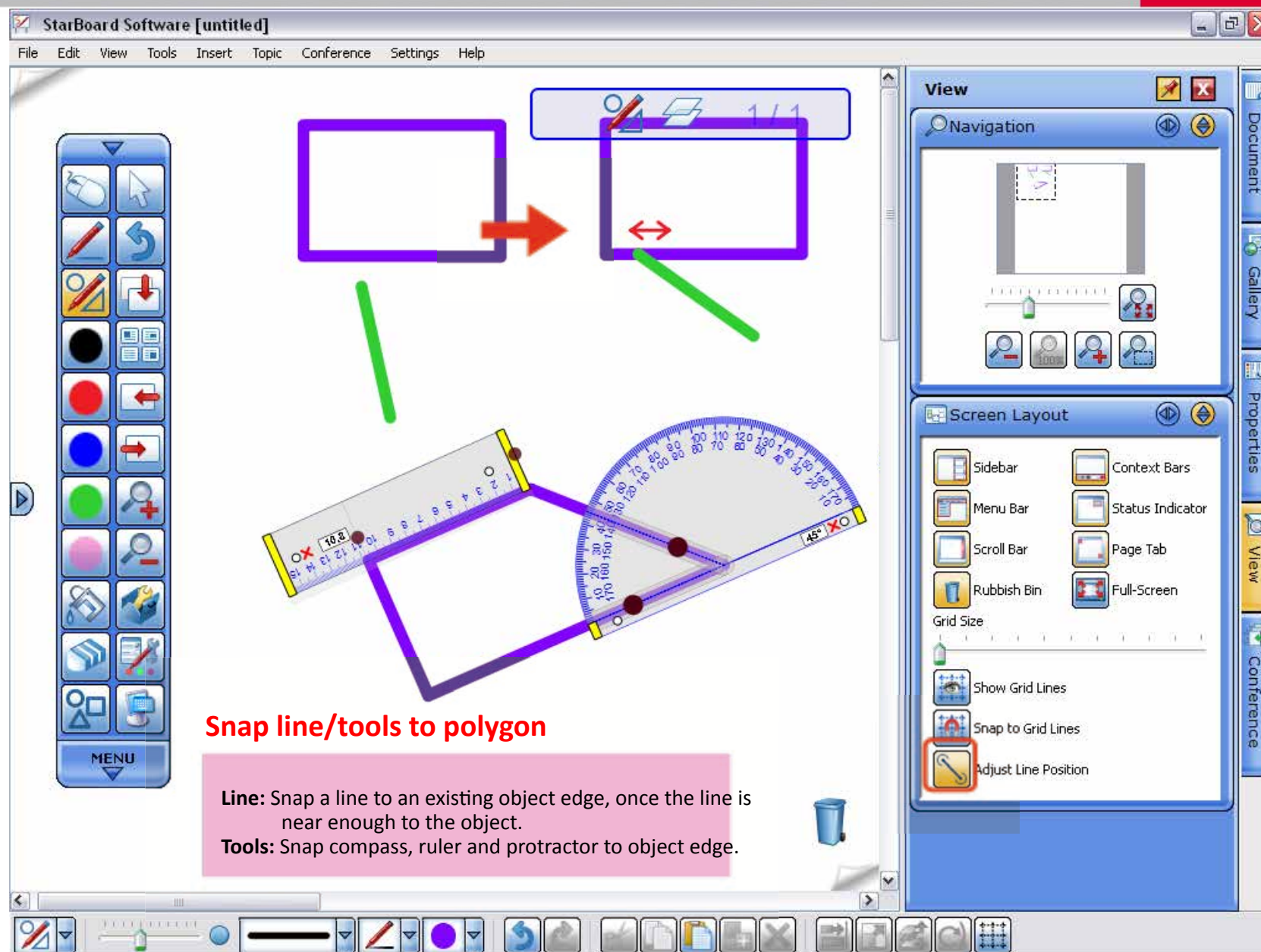
Tool Properties

Object Properties

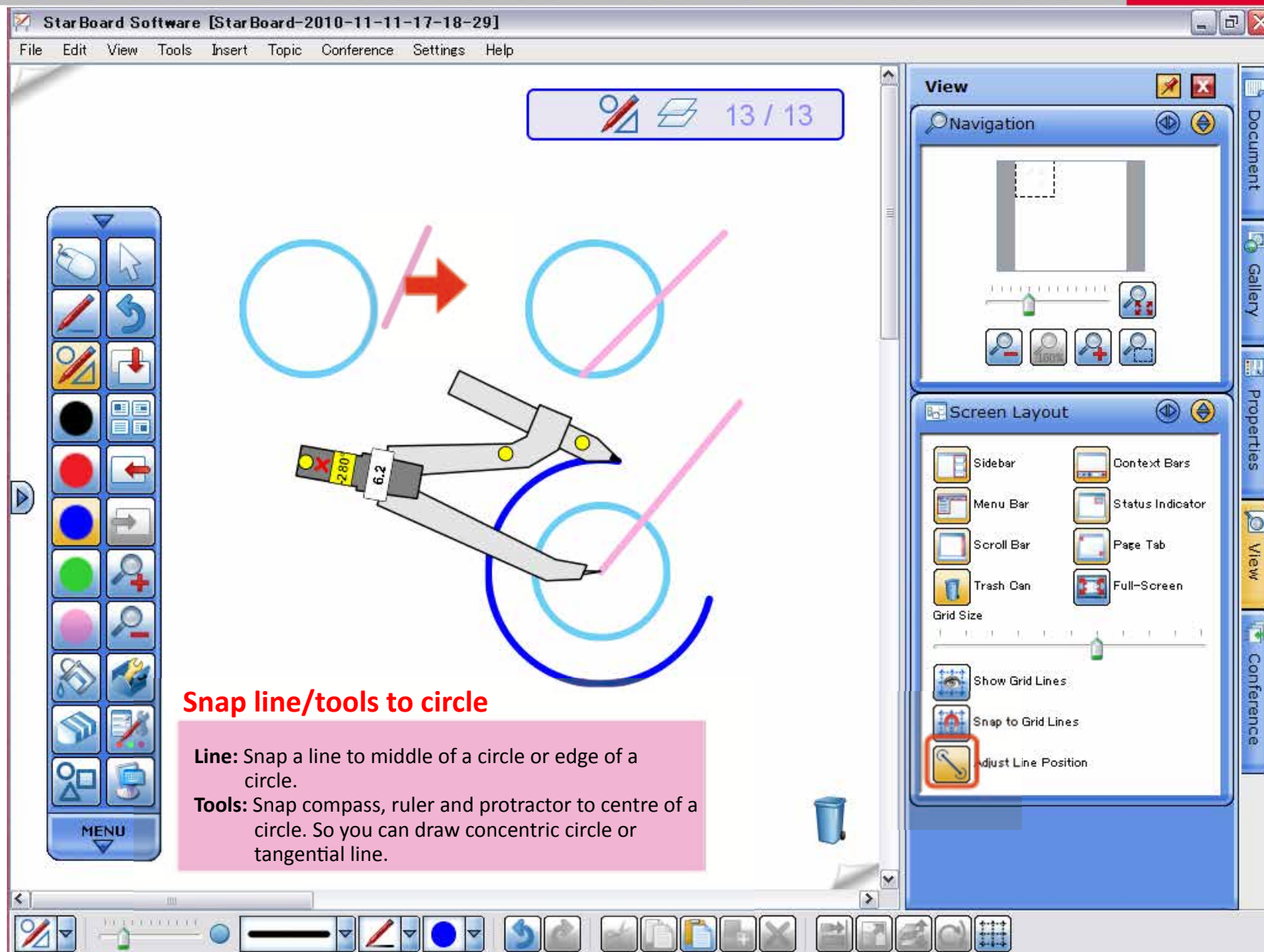
☒ Show Radius Lines

Show Radius Lines check box

▶ Snap Line to Object ☆New☆



▶ Snap Line to Object (continued) ☆New☆





(1)
)

(2)
)

(3)
)

(4)
)

Screen Capture Options

To access screen capture tool, go to:
Tools>Accessories>Screen Capture

- 1) Full Screen
- 2) Window
- 3) Partial Selection
- 4) Freehand Selection

Full Screen



Window



Freehand Selection



Partial Selection



The screenshot displays the StarBoard Software interface. The main window has a menu bar (File, Edit, View, Tools, Insert, Topic, Conference, Settings, Help) and a toolbar on the left. The 'Tools' menu is open, showing various drawing and annotation tools. The 'Screen Recorder' tool is highlighted in the 'Accessories' submenu. A 'Screen Recorder' window is open, showing a 'Pause' button and a 'Record/Stop' button. A 'Screen Recorder Settings' dialog box is also open, showing options for Audio (No Audio, Windows Audio, Record Microphone), Output Folder (s and Settings\flora\My Documents\StarBoard), and Recording Quality (High, Standard, Small). The 'Standard' quality is selected, with a note 'Expected size of 10 minutes recording' and '25 MB'.

Screen Recorder Settings

Audio

- ☐ No Audio
- ☐ Windows Audio
- ☒ Record Microphone

☒ Set file name after recording

☒ Open output folder after recording

Output Folder

s and Settings\flora\My Documents\StarBoard

Recording Quality

- ☐ High
- ☒ Standard Expected size of 10 minutes recording
- ☐ Small 25 MB

Screen Recorder

You can record your annotation and voice by simply push "Record" button.
To open Screen Recorder window,
Go to: Tools>Accessories>Screen Recorder

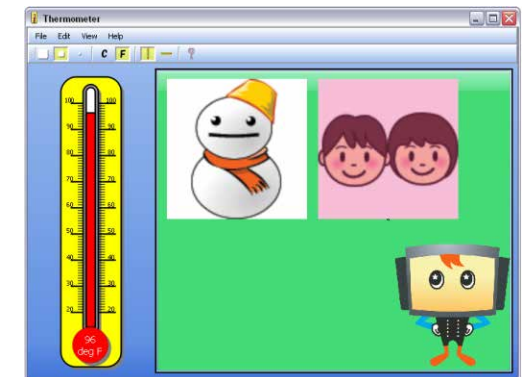
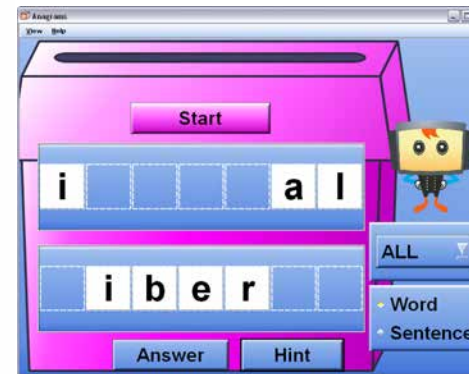
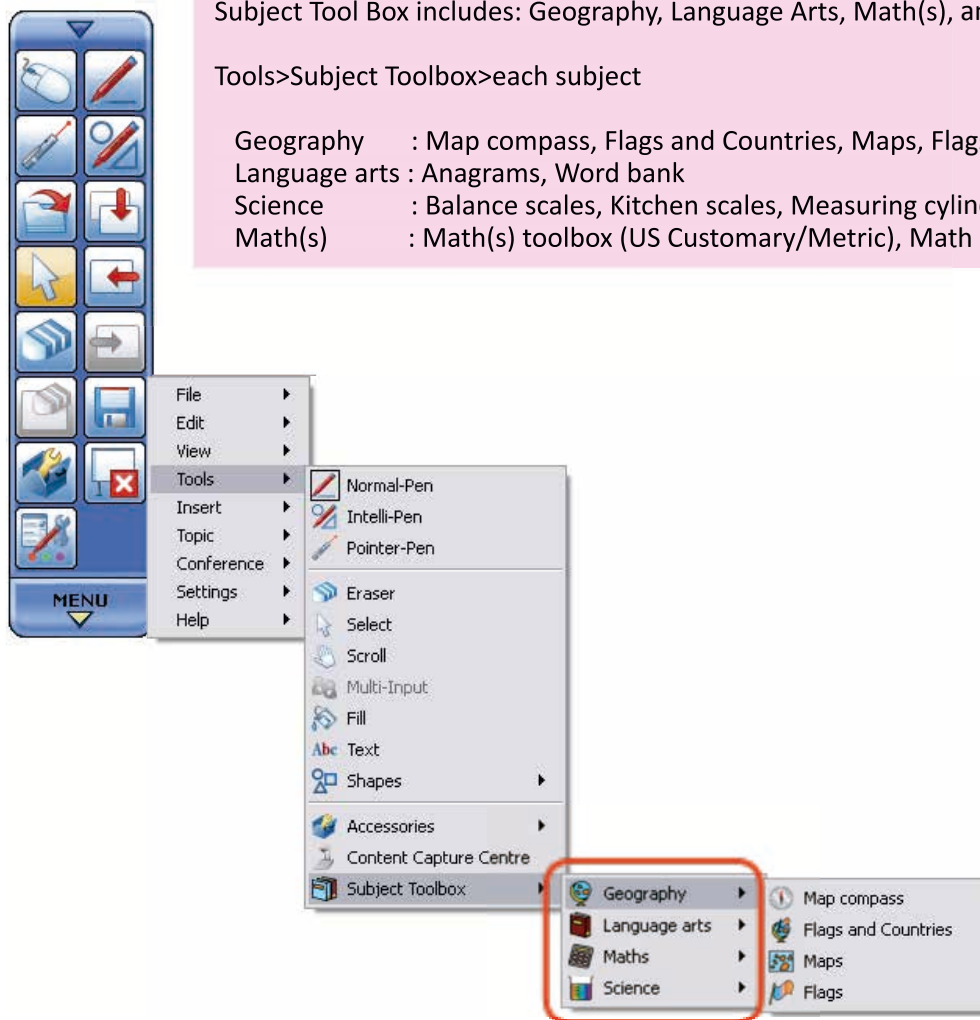
After stop recording, you can save the recorded file as Windows Media Video (.wmv). Then you can play anytime with any media player which supports wmv file format.

Subject Tool Box

Subject Tool Box includes: Geography, Language Arts, Math(s), and Science

Tools>Subject Toolbox>each subject

Geography : Map compass, Flags and Countries, Maps, Flags
 Language arts : Anagrams, Word bank
 Science : Balance scales, Kitchen scales, Measuring cylinder, Thermometer
 Math(s) : Math(s) toolbox (US Customary/Metric), Math lesson files, Protractor, Ruler)

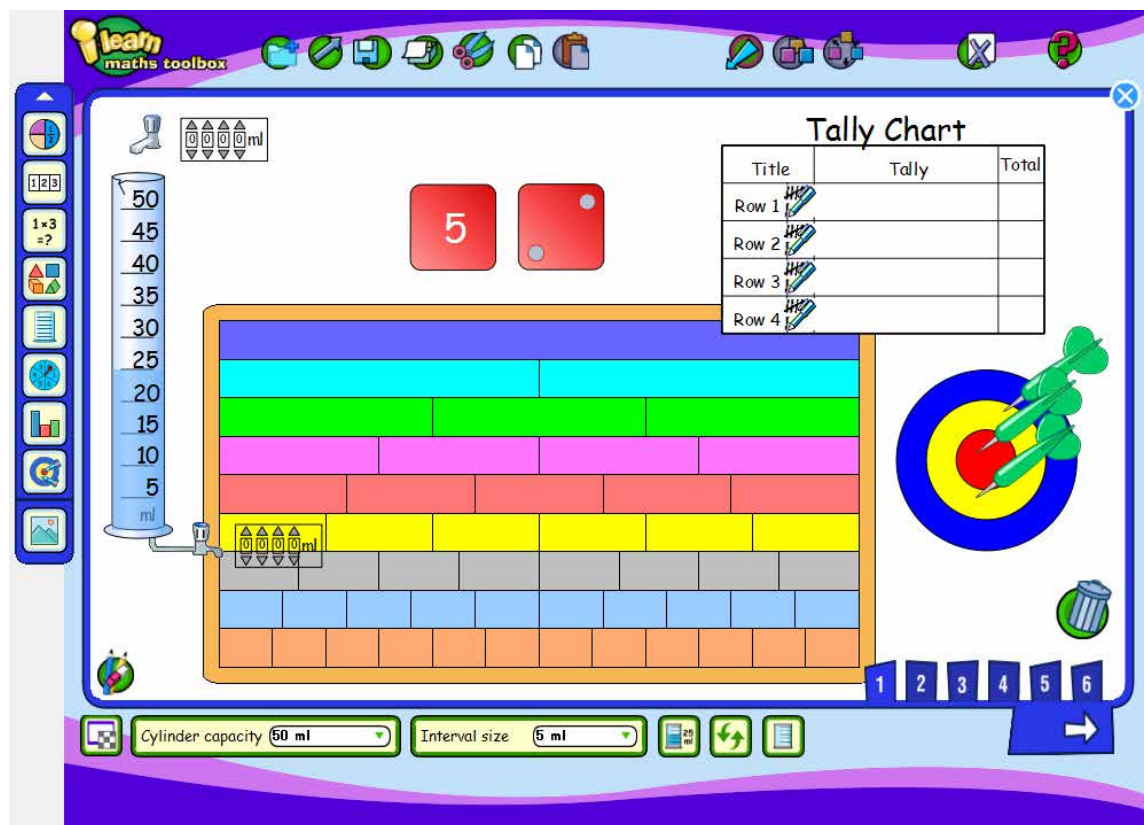


Math(s) toolbox

Math(s) toolbox was originally developed by Cambridge-Hitachi, and includes many Interactive features.

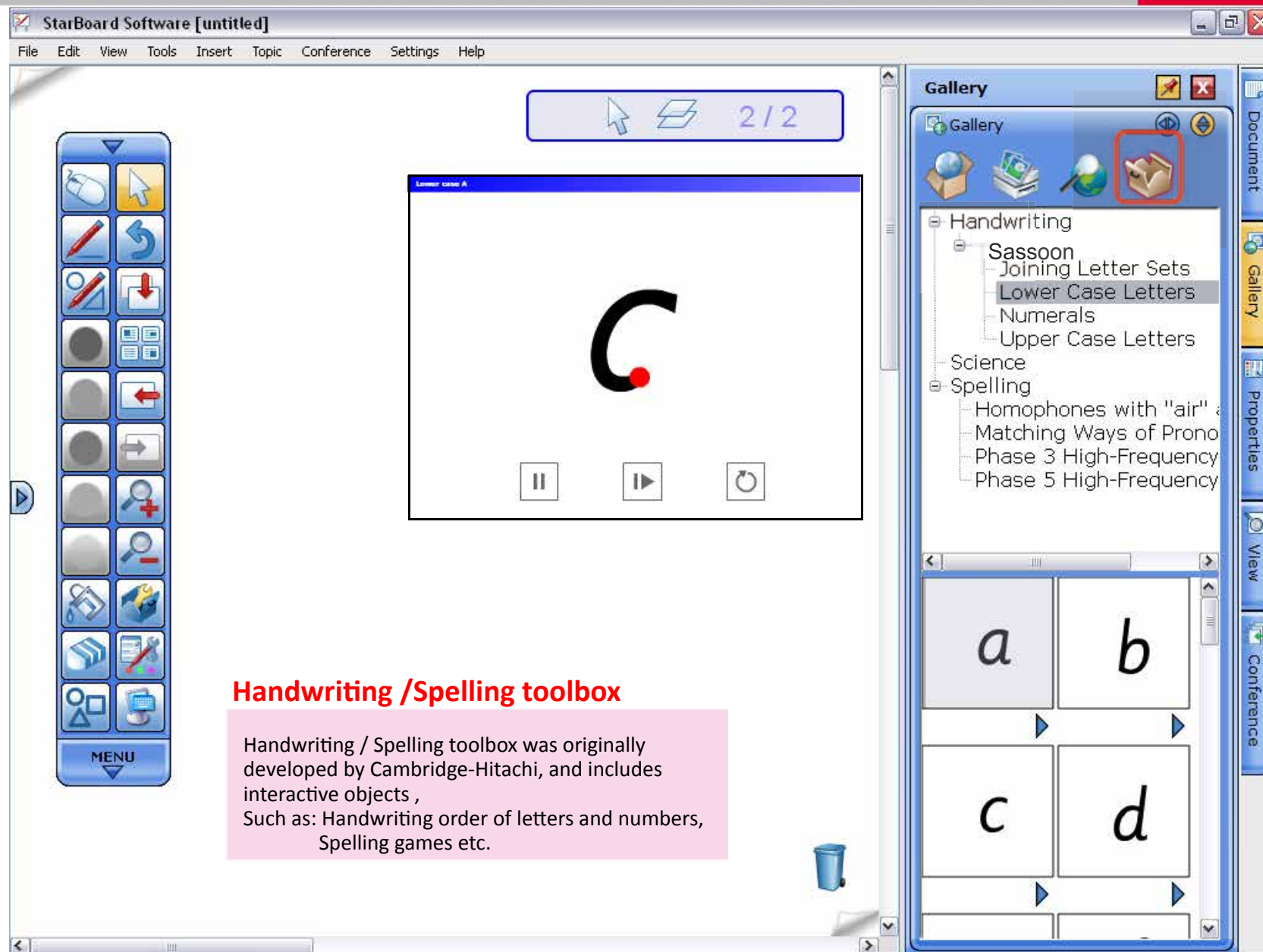
Math(s) toolbox includes: Fractions, Numbers, Calculations, Shapes and Space, Measures, Probability, Handling Data, Solving Problems, Image library etc.

For US schools: You can use either US Customary or Metric for your class. (Also provides over 200 lesson files and plans.)



Lesson files (available for US ONLY)

number		
N7.1 Place Value	Lesson Plan	Toolbox Lesson
N7.2 Fractions	Lesson Plan	Toolbox Lesson
N7.3 Measures	Lesson Plan	Toolbox Lesson
N7.4 Ratio and Proportion	Lesson Plan	Toolbox Lesson
N8.1 Multiples, Factors and Primes	Lesson Plan	Toolbox Lesson
N8.2 Products of Prime Factors	Lesson Plan	Toolbox Lesson
N8.3 Adding Fractions	Lesson Plan	Toolbox Lesson
N8.4 Multiplication Methods	Lesson Plan	Toolbox Lesson
N8.5 Units of Measurement	Lesson Plan	Toolbox Lesson
Algebra		
A7.1 Number Sequences	Lesson Plan	Toolbox Lesson
A7.2 Equations and Expressions	Lesson Plan	Toolbox Lesson
A7.3 Sequences from Patterns	Lesson Plan	Toolbox Lesson
A7.4 Equations and Formulae	Lesson Plan	Toolbox Lesson
A7.5 Mappings and Graphs	Lesson Plan	Toolbox Lesson
A8.1 Describing Sequences	Lesson Plan	Toolbox Lesson
A8.2 Equations and Expressions	Lesson Plan	Toolbox Lesson
A8.3 Functions and Sequences	Lesson Plan	Toolbox Lesson
A8.4 Graphs	Lesson Plan	Toolbox Lesson
A8.5 Real Life Graphs	Lesson Plan	Toolbox Lesson
Shape, Space and Measures		
S7.1 Perimeter and Area	Lesson Plan	Toolbox Lesson
S7.2 Coordinates	Lesson Plan	Toolbox Lesson
S7.3 Angles	Lesson Plan	Toolbox Lesson
S7.4 Transformations	Lesson Plan	Toolbox Lesson
S7.5 Construction	Lesson Plan	Toolbox Lesson
S8.1 Angles in Parallel Lines	Lesson Plan	Toolbox Lesson
S8.2 Area of Triangles and Quadrilaterals	Lesson Plan	Toolbox Lesson
S8.3 Enlargement	Lesson Plan	Toolbox Lesson
S8.4 Translations	Lesson Plan	Toolbox Lesson
Handling Data		
D7.1 Probability	Lesson Plan	Toolbox Lesson
D7.2 Averages	Lesson Plan	Toolbox Lesson
D7.3 Frequency and Average	Lesson Plan	Toolbox Lesson
D8.1 Probability of Two Events	Lesson Plan	Toolbox Lesson
D8.2 Graphs and Charts	Lesson Plan	Toolbox Lesson
D8.3 Relative Frequency	Lesson Plan	Toolbox Lesson

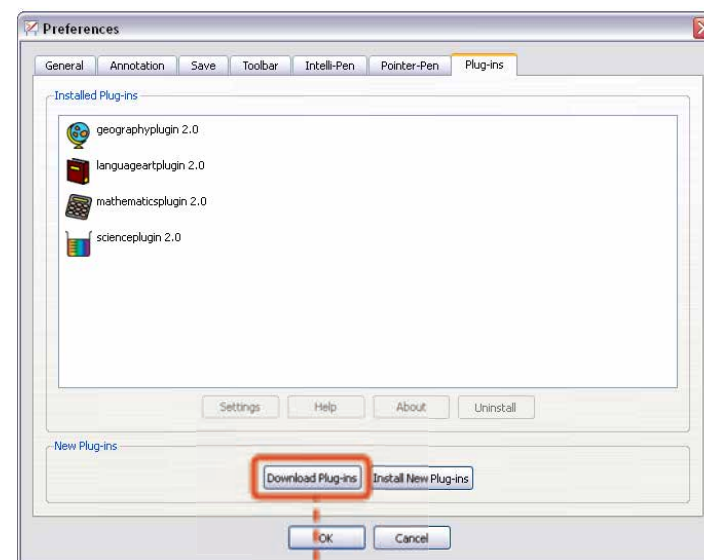
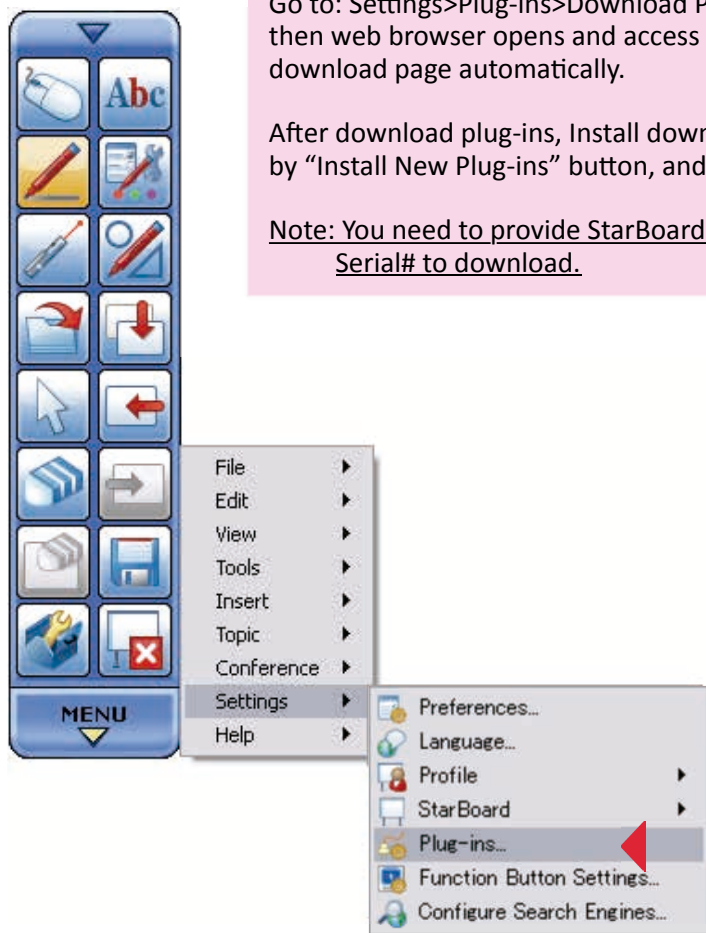


Plug-ins

StarBoard Software provides additional tools and beta version tools as “plug-ins” on website. To access plug-in download page, Go to: Settings>Plug-ins>Download Plug-ins, then web browser opens and access to Plug-in download page automatically.

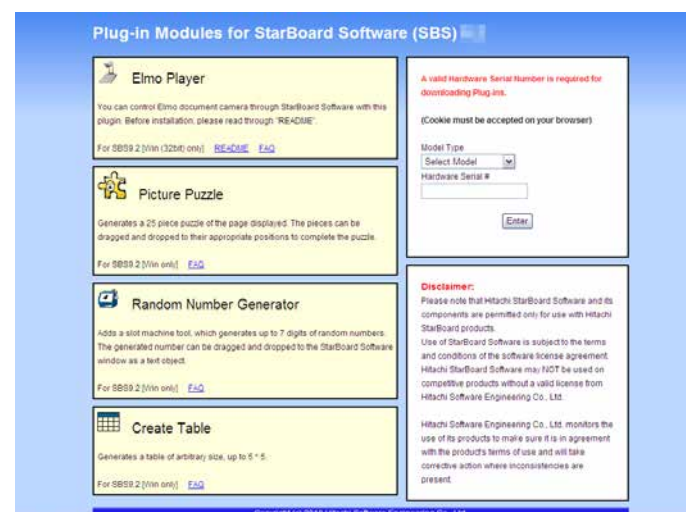
After download plug-ins, Install downloaded plug-ins by “Install New Plug-ins” button, and ready to use.

Note: You need to provide StarBoard model type and Serial# to download.



Link to

▼ Plug-ins Download page



MyScript Stylus

MyScript Stylus is a text input tool, which you can use with any applications .

To activate MyScript Stylus, either Double-click the shortcut on desktop, or Click the icon on tasktray.

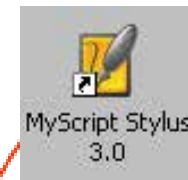
There are 3 different mode in MyScript Stylus:

Writing pad : You can write in cursive style, it does not matter if you join up every letter

Character pad : If you want to write character by character, for example Proper Names, Acronyms, Abbreviations, Email addresses, etc. , use this mode

Virtual keyboard : You can type on screen as normal keyboard

For more detailed usage of MyScript Stylus, please refer MyScript Stylus help page from Preferences

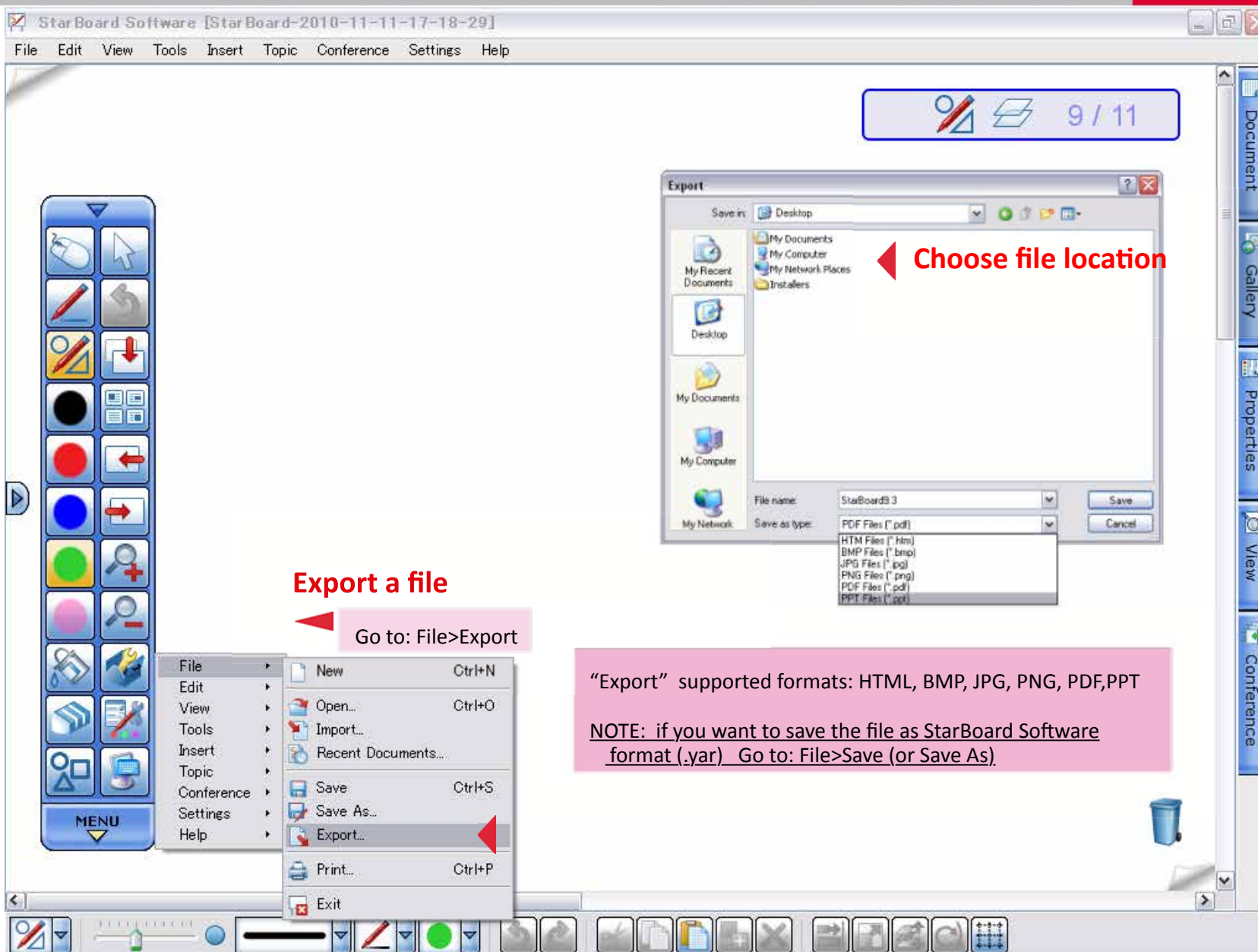


Double-Click this Icon on desktop
or click the icon on tasktray



input text "StarBoard" in the application

Export File



Conference Mode – start conference

StarBoard Conference

StarBoard Software provides conference mode, which allows you to share annotations through TCP/IP. (Maximum 4 places)

Host: Start/finish a conference
Client: Join a conference

To start a conference, Go to: Conference tab, or MENU>Conference

Host a conference

Username in a conference

Settings

Server port settings
(port : 18737 as default)

Conference Tab

Conference Mode – Join and share annotation

The screenshot displays the StarBoard Software interface in Conference Mode. The main window is titled "StarBoard Software [Untitled]" and has a menu bar with File, Edit, View, Tools, Insert, Topic, Conference, Settings, and Help. The interface is divided into several sections:

- Icons in Host** (Today's topic): A list of icons and their functions:
 - Make selected user the presenter (1.xxxxxx)
 - Remove a selected user from the conference (2.xxxxxx)
 - Synchronize all users (3.xxxxxx)
 - End Conference
- Host IP and status**: A status bar showing a green circle icon, a user icon, and the IP address 133.108.178.91.
- Conference Console**: A window titled "Conference Console" with the following sections:
 - End Conference: A button with a red 'X' icon.
 - Conference Users: A list of users: starboard1 and student1.
 - Actions: A row of three icons: a hand, a sync/async icon, and a leave conference icon.
- Icons in Client**: A list of icons and their functions:
 - Request to be Presenter
 - Sync/Async current shared page
 - Leave conference

Red arrows point from the text labels to the corresponding UI elements: "Host IP and status" points to the status bar, "Conference Console" points to the console window, "User List" points to the list of users, and "Action buttons" points to the actions section of the console window.



StarBoard Software Help

Details on StarBoard Software capabilities are located at:
Help>StarBoard Help

StarBoard Software updates

You can check your StarBoard Software is the latest one or not.
Help>Check For Updates

Video Tutorials

Self-paced online tutorial videos explaining the tools and features of StarBoard Software are included your StarBoard Software install DVD.

Show User Registration Web page from StarBoard Software

When you select the menu item, SBS displays the user registration page on the computer's default Web browser.
Help>User Registration

Resource Centre

Our free state aligned resource centre features interactive lessons, activities, and educational software from our approved partners and educators across the globe.

Help>Resource Centre

or

http://starboard.hitachi-solutions.co.jp/resource_center/

StarBoard Community Forum

The StarBoard Community Forum is a place for StarBoard Educators across the globe to communicate, share ideas, post topics, and ask questions.

<http://www.starboardforum.com/>

Interactive Sites for Classrooms

A collection of StarBoard friendly websites that provide activities, lesson plans, and many other resources that can be utilized with your interactive products.

http://www.hitachisolutions-us.com/starboard/educator_portal/classrooms.shtml