SMART Notebook® 18
collaborative learning software

USER’S GUIDE
Contents

Chapter 1: Welcome .................................................................................................................. 1
  Getting started ....................................................................................................................... 2
  Introduction to using activities .............................................................................................. 9
  Undoing and redoing actions ............................................................................................... 19

Chapter 2: Creating and working with files and pages ............................................................. 21
  Creating files ......................................................................................................................... 21
  Opening files ......................................................................................................................... 22
  Displaying pages in a file ....................................................................................................... 22
  Creating pages ....................................................................................................................... 24
  Cloning pages ....................................................................................................................... 24
  Renaming, rearranging and grouping pages .......................................................................... 25
  Deleting pages ....................................................................................................................... 27
  Saving files .............................................................................................................................. 27
  Printing files .......................................................................................................................... 28
  Exporting files ....................................................................................................................... 30
  Attaching files to e-mail messages ......................................................................................... 34

Chapter 3: Creating basic objects ............................................................................................. 35
  Writing, drawing and erasing digital ink .................................................................................. 36
  Creating and working with shapes and lines ......................................................................... 39
  Creating and working with text ............................................................................................ 45
  Creating and working with tables .......................................................................................... 51

Chapter 4: Working with objects ............................................................................................. 63
  Selecting objects .................................................................................................................... 64
  Changing object properties .................................................................................................... 66
  Positioning objects ................................................................................................................ 69
  Aligning objects ..................................................................................................................... 69
  Rearranging stacked objects ................................................................................................. 71
  Cutting, copying and pasting objects ...................................................................................... 72
  Cropping images with a mask ................................................................................................. 72
  Cloning objects ...................................................................................................................... 74
  Resizing objects ...................................................................................................................... 74
  Flipping objects ...................................................................................................................... 77
  Grouping objects .................................................................................................................... 77
  Grouping objects automatically ............................................................................................ 79
  Deleting objects ..................................................................................................................... 79
Chapter 5: Inserting and sharing content
Using the SMART Notebook 18 Gallery
Using the SMART Exchange website
Using the Notebook math equation editor
Inserting content from GeoGebra
Handwriting and inserting equations
Using SMART print drivers to convert and share files
Using Share
Inserting content from other sources

Chapter 6: Creating lesson activities
Creating basic lesson activities
Using advanced object features

Chapter 7: Using SMART lab
Overview
Adding game elements and device enabled contributions to SMART lab activities
Creating and adding a Flip Out activity
Creating and adding a Super Sort activity
Creating and adding a Match ‘Em Up! activity
Creating and adding a Fill In the Blanks activity
Creating and adding a Label Reveal activity
Creating and adding a Rank Order activity
Creating and adding a Speedup activity
Creating and adding a Shout It Out! activity
Adding device enabled student text contributions to Shout It Out! activities
Adding student image contributions
Removing students from an activity
Adding a game element to your activity
Using Monster Quiz
Using the Hand out activity
Using SMART response 2

Chapter 8: Presenting lesson activities
Preparing to present
Using presentation tools
Using the Text Pen
Clearing and resetting pages
Using the Screen Capture toolbar
Using the Magnifier
Using the Screen Shade tool
Using the Spotlight tool
Chapter 9: Installing and using add-ons ................................................................. 177
  Installing add-ons ......................................................................................... 177
  Using add-ons .............................................................................................. 177
  Identifying missing add-ons ................................................................. 178
  Disabling and removing add-ons .............................................................. 178

Chapter 10: Configuring SMART Notebook software .............................................. 181
  Customizing the toolbar ................................................................................ 181
  Changing the default program for .notebook files .................................... 183
  Setting gesture preferences ................................................................. 184
  Setting image optimization preferences ................................................ 185
  Setting default background color preferences ....................................... 187
  Setting table cell padding preferences .................................................... 187

Chapter 11: Troubleshooting SMART Notebook software ...................................... 189
  Adobe Flash Player issues ........................................................................ 190
  Connection issues .................................................................................... 190
  Digital ink issues ..................................................................................... 191
  File issues ................................................................................................ 191
  Gesture issues ........................................................................................... 192
  Installation issues ..................................................................................... 193
  Missing lesson content ............................................................................ 193
  Object issues ............................................................................................. 194
  Subscription and product key issues .................................................... 196
  Toolbar and window issues ................................................................. 197
  Contacting SMART reseller/support for further assistance ...................... 198
Chapter 1

Welcome

Getting started ................................................................. 2
Starting SMART Notebook software for the first time ............... 2
Account sign in ................................................................. 2
Limited mode ........................................................................ 3
The Welcome screen ......................................................... 3
Navigating the interface .................................................... 4
  Menu .................................................................................. 4
  Toolbar .............................................................................. 5
  Page Sorter ........................................................................ 6
  Gallery tab ......................................................................... 7
  Attachments tab .............................................................. 7
  Properties tab ................................................................. 8
  Add-ons tab ...................................................................... 8
  Page area .......................................................................... 9
Introduction to using activities ........................................... 9
  Add a competitive gaming element to your next grammar lesson using Speedup .......... 9
    Setting up the SMART lab activity .................................. 10
    Student participation .................................................... 11
    Results ........................................................................... 12
  Launch a class-wide brainstorming session using student mobile devices and Shout It Out! .. 13
    The activity-based lesson .............................................. 14
    Setting up the Shout It Out! activity ............................... 14
    Student participation .................................................... 14
    Results ........................................................................... 15
  Create an exit ticket using SMART response 2 .................. 15
    The activity-based lesson .............................................. 15
    Setting up the SMART lab activity ............................... 15
    Student participation .................................................... 16
    Results ........................................................................... 17
  Pace your lesson and reduce information overload using Label Reveal ....................... 17
    Setting up the SMART lab activity ............................... 17
    Student participation .................................................... 18
    Results ........................................................................... 19
Undoing and redoing actions .............................................. 19
This chapter introduces you to SMART Notebook® collaborative learning software and shows you how to get started.

Getting started
With SMART Notebook software, you can create .notebook files that include graphics, text, tables, lines, shapes, animations and more. Present your file and keep your class’s attention as you move and interact with these objects. When your class provides comments and suggestions, write their input on the page using digital ink. You can open .notebook files in SMART Notebook software on a Windows®, Mac or Linux® computer. You can also export your file in a variety of formats, including HTML and PDF.

IMPORTANT
Access to the premium features of SMART Notebook 18 depends on being authorized to use the software via an entitled SMART account email or an activated product key.

Starting SMART Notebook software for the first time
When you start SMART Notebook software the first time, the Welcome screen opens. Select New Features on the Welcome screen to learn more about the software and its new features.

Select the Don’t show this again check box if you don’t want the Welcome screen to appear each time you open SMART Notebook software. You can access the Welcome screen anytime from SMART Notebook software Menu > Help.


Account sign in
SMART Notebook 18 software now allows you to sign in with your Google™ or Microsoft account. (Sign in is required to create and play most SMART lab activities.) After you sign in with one of these accounts, you and your students won’t have to sign in each time you want to use SMART response 2 or other activities that require sign in.

With one-time sign in, you can:

- Have your students connect to your SMART lab and response 2 activities with one persistent code (students won’t have to reconnect every time).
- Share lessons with your peers using an online link
• Share your lessons on SMART Boards with iQ technology
• Access limited features of Notebook after the trial period has ended

NOTE
If you skip the sign in, you might not be able to use the activity that's prompting you to sign in.

You will be prompted to sign in:
• When using the SMART lab Creation Wizard for the first time
• When using the SMART response 2, Shout It Out! and Monster Quiz activities
• When using the Hand out activity

When you start the software subsequent times, a new blank file opens automatically. To open the tutorial, select Help > Tutorial.

Learn more about setting up and signing in to your SMART account.

Limited mode
After the trial period, Notebook opens in limited mode unless you have purchased a subscription to SMART Learning Suite and activated your copy of Notebook or become entitled in the SMART software portal.

Limited mode allows a user to access limited features of SMART Notebook software outside a trial or purchased subscription, but premium features are disabled.

The Welcome screen
The Welcome screen gives you timely information, links to new Notebook features and content, file sharing, the latest subscription information, and upgrade offers. You can also access your recent Notebook files.
Navigating the interface

The SMART Notebook software interface consists of these components:

- Menu
- Toolbar
- Tabs (Page Sorter, Gallery, Attachments, Properties, and Add-ons)
- Page area

**Menu**

The menu contains the commands for managing files and objects.
**Toolbar**

From the toolbar, you can select and use a variety of commands. The toolbar buttons are organized in panels.

<table>
<thead>
<tr>
<th>Panel</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actions</td>
<td>The <em>Actions</em> panel includes buttons for browsing and making changes to .notebook files:</td>
</tr>
<tr>
<td>Add-ons</td>
<td>If you install SMART Notebook add-ons, an add-on panel appears to the right of the <em>Actions</em> panel:</td>
</tr>
<tr>
<td>Tools</td>
<td>The <em>Tools</em> panel includes buttons for creating and working with basic objects on pages:</td>
</tr>
<tr>
<td>Contextual</td>
<td>When you select a button in the <em>Tools</em> panel, additional buttons appear. For example, if you select <em>Pens</em> 🆙, the following additional buttons appear:</td>
</tr>
</tbody>
</table>

Press the **Pen Types** button to select a pen type and then press one of the line type buttons to write or draw digital ink in that line type. You can customize a selected line type using the options in the Properties tab and then save your customizations for future use (see *Changing object properties* on page 66).

Use the three property selectors beside the line type buttons to set the color, thickness, style and transparency of digital ink.

If you click other buttons in the *Tools* panel, similar sets of additional buttons appear.
NOTE

The commands in the toolbar are also accessible from the menu.

You can add, remove and change the position of buttons on the toolbar by pressing Customize the toolbar (see Customizing the toolbar on page 181).

By default, the toolbar appears at the top of the SMART Notebook software window. You can move it to the bottom by pressing Move toolbar to top/bottom of window. This is useful in situations where you or your students can’t reach the toolbar when it’s at the top of the window.

Page Sorter

The Page Sorter displays all the pages in the open file as thumbnails and automatically updates these thumbnails as you change the contents of the pages.

Using the Page Sorter, you can:

- Cut or copy and paste pages
- Display pages
- Create pages
- Clone pages
- Clear pages
- Delete pages
- Rename pages
- Rearrange pages
- Move objects from one page to another
- Group pages

To open the Page Sorter, press Page Sorter.

You can move the Page Sorter from one side of the SMART Notebook software window to the other by pressing Move Sidebar.

You can resize the Page Sorter by dragging its border left or right. You can also hide the Page Sorter when you aren’t using it by selecting the Auto-hide option. To display the Page Sorter when it’s hidden, press Page Sorter.
NOTE
For Windows operating systems: if you reduce the Page Sorter to its minimum size, the auto-hide option turns on automatically.

Gallery tab
The Gallery tab contains clip art, backgrounds, multimedia content, files and pages that you can use in your lessons. The Gallery tab also provides access to other online resources. For more information, see Inserting content from the Gallery on page 82.

You can also add your own and other teachers’ content to the Gallery tab.

To open the Gallery tab, press Gallery.

You can move the Gallery tab from one side of the SMART Notebook software window to the other by pressing Move Sidebar.

You can resize the Gallery tab by dragging its border left or right. You can also hide the Gallery tab when you aren't using it by selecting the Auto-hide option. To display the Gallery tab when it's hidden, press Gallery.

NOTE
For Windows operating systems: if you reduce the Gallery tab to its minimum size, the auto-hide option turns on automatically.

Attachments tab
The Attachments tab displays the files and web pages attached to the current file.

To open the Attachments tab, press Attachments.

You can move the Attachments tab from one side of the SMART Notebook software window to the other by pressing Move Sidebar.

You can resize the Attachments tab by dragging its border left or right. You can also hide the Attachments tab when you aren’t using it by selecting the Auto-hide check box. (To display the Attachments tab when it's hidden, press Attachments.)
NOTE

For Windows operating systems: if you reduce the Attachments tab to its minimum size, the auto-hide feature turns on automatically.

**Properties tab**
The Properties tab enables you to format objects on a page, including digital ink, shapes, lines, text and tables. Depending on the object you select, you can change:

- The color, thickness and style of lines
- The transparency and fill effects of objects
- The font type, size and style of text
- The animation of objects

The Properties tab displays only the options available for the object you select. For more information about displaying and setting object properties in the Properties tab, see *Changing object properties* on page 66.

To open the Properties tab, press Properties.

You can move the Properties tab from one side of the SMART Notebook software window to the other by pressing Move Sidebar.

You can resize the Properties tab by dragging its border left or right. You can also hide the Properties tab when you aren’t using it by selecting the Auto-hide option. To display the Properties tab when it’s hidden, press Properties.

NOTE

For Windows operating systems: if you reduce the Properties tab to its minimum size, the auto-hide option turns on automatically.

**Add-ons tab**
The Add-ons tab enables you to work with SMART Notebook software add-ons.

To open the Add-ons tab, press Add-ons.

You can move the Add-ons tab from one side of the SMART Notebook software window to the other by pressing Move Sidebar.
You can resize the Add-ons tab by dragging its border left or right. You can also hide the Add-ons tab when you aren’t using it by selecting the **Auto-hide** option. To display the Add-ons tab when it’s hidden, press **Add-ons**.

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**NOTE**

For Windows operating systems: if you reduce the Add-ons tab to its minimum size, the auto-hide option turns on automatically.

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**Page area**
The page area displays the contents of a selected page in a file. This is the area of the page where you create and work with objects.

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**Introduction to using activities**
Create interactive learning experiences in less than five minutes that will engage and amaze your students. SMART lab features a game-based learning environment, real-time student collaboration tools and a suite of formative assessment tools.

Save hours of lesson planning time while providing a rich classroom experience for your students.

**Video – Activity Setup: Monster Quiz**

To read the procedure for setting up a Monster Quiz see *Using Monster Quiz* on page 142.

For the remaining videos in this series see default.htm.

Which activity should you create? Select an activity type based on your learning objective.

1. **Add a competitive gaming element to your next grammar lesson using Speedup**
2. **Launch a class-wide brainstorming session using student mobile devices and Shout It Out!**
3. **Create an exit ticket using the response 2 formative assessment tool**
4. **Pace your lesson and reduce information overload using Label Reveal**

**Add a competitive gaming element to your next grammar lesson using Speedup**
Let’s say you have planned an English grammar lesson to help students learn about parts of speech. You would like to create an activity that will help your students distinguish nouns, verbs, adjectives and adverbs. To create student input and enthusiasm, you will have students participate
by playing the Speedup racing activity on the SMART Board in your classroom.

Whatever the subject, grade or skill level, SMART Notebook activities help ensure that your content is teacher-defined and pedagogically sound. SMART Notebook software gives you eye-catching activities your students will love.

See Adding a Speedup activity for more information.

Setting up the SMART lab activity
You’ve completed the lesson in-class and want to quickly evaluate student understanding. Open SMART lab in your SMART Notebook 18 software. From the SMART lab Select an Activity Creation Wizard, select Speedup from the list of activities and enter a few questions and answers on nouns, verbs, adjectives and adverbs, or use a previously saved list. See Adding a Speedup activity for additional information.
You can easily manage SMART lab content to match your activity requirements. See [Managing SMART lab content](#).

**Student participation**

Have students form small groups so that they can collaborate during the game. SMART lab quickly builds the activity. You can give a few words of direction, press **Start** and the game begins. Students choose race avatars, speed around the track and give answers at predetermined locations.
Students get excited about the race and quickly learn to collaborate for correct answers. At the end of the race, the groups are shown their race times, the number of questions they correctly answered and their position by player avatar.

**Results**
Review the quiz answers with the class using the avatars for each group. After the race, press **Review** to see the questions, their possible answers and the players’ avatars. Press **Show Answer** to see the answer to each question. Invaluable learning can also occur by discussing the incorrect answers contextually.
If you wish, give students additional work in class. While they’re working on that, you can use the time to quickly build another activity that improves upon previous learning.

Launch a class-wide brainstorming session using student mobile devices and Shout It Out!
Shout It Out! is a mobile device enabled activity where students can use their own device or school supplied devices to contribute to peer or teacher-curated discussion. The teacher can select between categorized arrangements, where students contribute to teacher created categories, or random arrangements, where student contributions are placed randomly. The contributions can then be moved freely on the SMART Board activity page and arranged in groups if desired. See Adding a Shout It Out! activity for additional information.
The activity-based lesson
In SMART Notebook 18 software, open SMART lab and select Shout It Out! from the list of activities. Then select Randomized or Categories based on the type of contributions you require and the type of dialog you want to encourage. Select the maximum number of contributions students can make and whether you want contributor names to appear on the SMART Board. You determine how many text answers students contribute per activity session. Students may contribute up to 50 images per activity session. Game components can also be used with Shout It Out! activities. SMART lab quickly builds the activity and you can begin.

Setting up the Shout It Out! activity
If you select Randomized student contribution placements, you will be prompted to choose either Text or Images as acceptable student contributions. If you selected Categories for student contribution placements, at least two categories are required for the activity.

For Categories student contribution placements, give names to the categories that will contain student contributed content. In the Contributions section, choose from Text or Images contribution types.

Student participation
Let’s say you want to gather class comments in support of or against a current political candidate’s policy statements. You can hide contributor names to encourage greater participation for this activity. Toggle the Student names switch to Show or Hide as required. If students are discussing their answers before they contribute, you can also manage the number of contributions per device.
Instruct students instructions to go to classlab.com on their devices, enter the activity number and prepare to answer the questions. The activity and activity number appears on the SMART Board and the teacher manages the start time.

You will find that contributions begin to appear very quickly, stimulating even more contributions, peer collaboration and discussion.

To pause the activity for additional discussion or classroom management, press **Pause contributions.** An **Activity Pause** notification appears on each device. When you wish to continue, press **Resume** and students can make contributions again. When the activity is complete, press **End.** An **Activity has ended** notification appears on each device.

**Results**
Use the results of the class or small group submissions as a springboard for deeper discussion. Students quickly see that diverging opinions can be valuable and that peers can have insights that they might not have had themselves.

**Create an exit ticket using SMART response 2**
An “exit ticket” is a good way for students to review and apply what they learned in the lesson. There are many approaches you can use. This example shows how you can use SMART response 2 to quickly create an “exit ticket.”

See **Using SMART response 2** for more information on the SMART response 2 version assessments platform.

**The activity-based lesson**
In this example, the teacher will have students answer a multiple choice quiz using SMART response 2. The teacher will use the quiz as a class “exit ticket” that tracks student understanding prior to leaving the class. Students will answer the answers on their own mobile devices or those supplied by the school.

**Setting up the SMART lab activity**
Open SMART response 2 from SMART Notebook 18 software and quickly enter a few questions without entering the multiple choice answers. Just get the questions in quickly; they can be edited afterward.

After you’ve entered all the questions, select **Edit** to edit the questions, then press **Next.** You can review your content and questions in the Review Content dialog box.

Press **Finish.** SMART response 2 builds the activity in a few seconds. Tell students to go to classlab.com on their devices, enter the activity number if required and prepare to answer the questions. The activity and activity number appears on the SMART Board. The teacher manages the start time. Here’s an example of the quiz questions:
Student participation

When the activity is ready, press **Start Activity**. Students can begin taking the quiz on their devices. See **Using a mobile device to access SMART response 2**. You can pause the quiz if required. The live **Results** animation indicates the percentage of questions the class has answered. When all students have submitted their answers, pause or end the activity. If you end the activity, all students will receive notification on their devices, and the quiz results will appear on the SMART Board.
Results
After students submit their answers and the results are in, the results assessment begins. Each question is shown, and you can select a bar or pie chart to indicate the number of students who answered the question.

The results dialog box gives both teacher and class an opportunity to review the questions and check for student understanding. The teacher can assess student understanding immediately and make adjustments to the lesson if necessary.

Pace your lesson and reduce information overload using Label Reveal
Label Reveal helps students identify all the parts of the whole, and helps you test knowledge and lesson plan progression. You add an image, click inside the image and add as many labels that you need, and begin!

In this example, you want to measure student understanding of terms used in the human cell lesson your class completed yesterday. You will use the Label Reveal activity to pace your lesson plan and test understanding, and SMART response 2 for the assessment. You can have individual students participate with peer support as the activity progresses, or use small teams of students so that team members support each other to find answers.

See Adding a Label Reveal activity for more information on setting up Label Reveal.

Setting up the SMART lab activity
Complete the Label Reveal activity out of the class if time is available. Open the SMART lab Label Reveal activity. Next, drag and drop an image you wish to use into the box on the Add Content page or browse to the image by selecting Browse for an image
. The image appears in the activity.

Now drag and drop as many labels on the image as you need. A Label dialog box appears in which you can add or edit a label for the image and add a description of up to 150 characters. You can also change the image or pointer style from this page.

When you have finished adding labels, press Finish. SMART lab builds the activity in seconds and now you’re ready to use the activity in class: use the gaming components to add excitement to the various reveals, discuss the image and reveal the labels.

**Student participation**

In the classroom, open the Label Reveal activity. If you’ve decided to use the timers or buzzers, have two or three small student groups come to the SMART Board and identify the parts of the cell. After each identification is made, students can press the buzzer to indicate they’ve made their choice, and they can see how much time their identifications took. Students will enjoy trying to out-do each other to complete the activity quickly.

As an alternative, you can have individual students come to the SMART Board to reveal labels, and you can get the whole class to assist by calling out clues if the student needs help.

When the Label Reveal activity is complete, use the SMART response 2 assessments platform to evaluate student knowledge.

In SMART response 2, use images of different cells that also have the same general cell parts. Student understanding will reflect the earlier discussion, which was just reinforced by the Label Reveal activity.

When you’re ready, press Start Activity and students can begin taking the quiz. You can pause the quiz if required.
Results
Use SMART response 2 to assess student understanding. The live Results animation indicates the percentage of questions the class has answered. Use the quiz results to determine whether additional classroom or individual instruction is required.

1. A particle consisting of RNA and other proteins.
   A. Ribosome
   B. Nucleus
   C. Mitochondria
   D. Vacuole

Undoing and redoing actions
When you make changes to a file, you can reverse the effects of your previous actions and commands.

NOTE
If two people are using your interactive product, pressing Undo and Redo affects the actions of both users.

To reverse the effect of the last action
Press Undo.

NOTE
You can undo an unlimited number of actions.

To reinstate the last action reversed with the Undo command
Press Redo.
Chapter 2
Creating and working with files and pages

Creating files .............................................................. 21
Opening files ............................................................ 22
Displaying pages in a file ........................................... 22
Creating pages .......................................................... 24
Cloning pages ............................................................ 24
Renaming, rearranging and grouping pages .................. 25
Deleting pages ........................................................... 27
Saving files ............................................................... 27
Printing files ............................................................. 28
Exporting files .......................................................... 30
Attaching files to e-mail messages ............................... 34

In SMART Notebook software, you can create or open SMART Notebook software (.notebook) files. After creating or opening a .notebook file, you can save it, print it and complete other common tasks.

A .notebook file is composed of a series of pages, each with its own objects and properties.

A thumbnail of each page appears in the Page Sorter. Using either the Page Sorter or menu commands, you can display an existing page, create a blank page, create a clone of an existing page or delete an existing page.

Creating files
When you start SMART Notebook software for the first time, the Welcome screen opens automatically. When you start the software subsequent times, a new .notebook file opens automatically. However, you can create a new file at any time.
CHAPTER 2
CREATING AND WORKING WITH FILES AND PAGES

To create a file

Select File > New.

If you’re working on a file with unsaved changes, a dialog box appears and prompts you to save the current file. Press Yes to save your changes, and then follow the on-screen instructions.

Opening files

SMART SMART Notebook 18 opens and saves your files in .notebook format, which is also the default file format for SMART Notebook 9.5 to 16.

The method by which you open a file is the same for all versions of SMART Notebook software.

To open a file

1. Press Open File.
   
The Open dialog box appears.

2. Browse to and select the file.

3. Press Open.

   TIP

   You can open a recently opened file by selecting the File menu, and then selecting the file name (Windows operating systems) or File > Open Recent (OS X operating systems).

Displaying pages in a file

You can display any page in the file using the Page Sorter. You can display the next or previous page in the file using buttons or gestures.

To display a page

1. If the Page Sorter isn't visible, press Page Sorter.

2. Press the thumbnail of the page you want to display.
CHAPTER 2
CREATING AND WORKING WITH FILES AND PAGES

To display the next page in a file

Press Next Page ➔.

OR

Swipe your finger across the page from right to left.

A message appears, displaying the current page’s number.

To display the previous page in a file

Press Previous Page ←.

OR

Swipe your finger across the page from left to right.

A message appears, displaying the current page’s number.
Creating pages
You can add a blank page to the open file using the Add Page button or the Page Sorter.

To insert a page using the Add Page button
Press Add Page.

The new page appears after the current page.

To insert a page using the Page Sorter
1. If the Page Sorter isn't visible, press Page Sorter.
2. Select the thumbnail of the page you want the new page to appear after.
3. Press the thumbnail's menu arrow, and then select Insert Blank Page.

The new page appears after the selected page.

Cloning pages
As an alternative to creating a blank page, you can create a duplicate (or “clone”) of an existing page.

NOTE
You can clone a page only if it contains content.

To clone a page
1. If the Page Sorter isn't visible, press Page Sorter.
2. Select the thumbnail of the page you want to clone.
3. Press the thumbnail’s menu arrow, and then select Clone Page.

The cloned page appears immediately after the current page.

NOTE
You can repeat this process as many times as you want.
Renaming, rearranging and grouping pages

When you create a page, SMART Notebook software automatically names the page with the date and time of its creation. You can also rearrange and group pages.

**To rename a page**

1. If the Page Sorter isn't visible, press Page Sorter.
2. Double-click the page's name.
3. Type a new name for the page.
4. Press elsewhere.

**To rearrange pages**

1. If the Page Sorter isn't visible, press Page Sorter.
2. Press the thumbnail of the page you want to move in the file.
   A blue border appears around the thumbnail.
3. Drag the thumbnail to its new position in the Page Sorter.
   A blue line indicates the page's new position.
4. Release the thumbnail.

**To create a group (Windows)**

1. If the Page Sorter isn't visible, press Page Sorter.
   By default, all the pages in a Notebook file are already part of a group titled Group 1. You can rename Group 1 by typing a new name.
2. To add a second group, press the first group's menu arrow, and then select Add New Group.
   A second group, with a new, blank page, appears below the first.
3. Type a name for the second group.
NOTE (MAC)

If you’re using SMART Notebook software on a Mac computer the procedure is slightly different. Instead of choosing Add New Group from the default group’s menu arrow, select Edit Page Groups. This action displays current groups in the page area, where you can create, rename, move, or delete them.

The next four procedures are also affected by this difference. On a Mac, you select the Edit Page Groups function to display groups in the page area for editing rather than editing them directly in the Page Sorter.

To move pages within or between groups (Windows)

Drag a page’s thumbnail to a new position within the group or into a different group.

To move a group (Windows)

Drag the group’s title bar to the group’s new position.

NOTES

- You can also rearrange groups by pressing a group’s menu arrow, and then selecting Move Up or Move Down.
- SMART Notebook software numbers pages sequentially across a file. If you change the order of groups, SMART Notebook software renumbers the pages in the groups accordingly.

To delete a group and keep its pages (Windows)

Move the pages in a group to different groups. When a group contains no pages, SMART Notebook software deletes it automatically.

To delete a group and all pages in the group (Windows)

Press the group’s menu arrow and select Delete Group.
Deleting pages
You can delete a page from the current file using the Delete Page button or the Page Sorter.

TIP
As an alternative to deleting a page, you can clear all of its objects (see Clearing pages on page 167).

To delete a page using the Delete Page button
1. If you haven't done so already, display the page you want to delete.
2. Select Delete Page.

To delete a page using the Page Sorter
1. If the Page Sorter isn't visible, press Page Sorter.
2. Select the thumbnail of the page you want to delete.
3. Press the thumbnail's menu arrow, and then select Delete Page.

Saving files
SMART SMART Notebook 18 opens and saves your files in .notebook format, which is also the default file format for SMART Notebook 9.5 to 16.

To save a new file
1. Press Save.
   The Save As dialog box appears.
2. Browse to where you want to save the new file.
3. Type a name for the file in the File name box.
4. Press Save.

To save an existing file
Press Save.
To save an existing file with a new name or location

1. Select File > Save As.
   
   The Save As dialog box appears.

2. Browse to where you want to save the new file.

3. Type a name for the file in the File name box.

4. Press Save.

To save files automatically (Windows)

1. Select File > Timed Saves.

   The Timed Save Wizard appears.

2. Select Every time I move to a different page to save your file automatically every time you select a different page.

   OR

   Select 1 minute, 5 minutes, 15 minutes or 30 minutes to save your file automatically after a specified period of time.

3. Press Next.


5. Press Next.

   The Save As dialog box appears.

6. Browse to where you want to save the new file.

7. Type a name for the file in the File name box. SMART Notebook software automatically saves the file with the .notebook file extension.

8. Press Save.

Printing files

You can print all pages or select pages in a .notebook file. You can print the pages as thumbnails, handouts or full pages.

To print a file when using Windows operating systems

1. Select File > Print.

   The Print dialog box appears.
2. Press Thumbnails, Handouts or Full Page.

3. Optionally, type header text in the Header box, footer text in the Footer box and the current date in the Date box.

4. Optionally, select the Show page numbers check box to show a page number on each page.

5. If you pressed Thumbnails or Handouts in step 2, select a thumbnail size in the Thumbnail size drop-down list and, optionally, select the Page borders check box to show a border around each thumbnail and the Thumbnail titles check box to show titles under each thumbnail.

6. Select All to include all pages.

OR

Select Pages to include select pages, and then type the page numbers in the box. Separate individual page numbers with commas and separate page ranges with a hyphen (for example, 1,2,4-7).

7. Press the Printer Setup tab.

8. Specify other print settings, including the printer name and the number of copies.


To print a file when using OS X operating systems

1. Select File > Print.

   A dialog box appears.

2. Press Thumbnails, Handouts or Full Page.

3. Optionally, type header text in the Header box, footer text in the Footer box and the current date in the Date box.

4. Optionally, select the Show page borders check box to show a border around each printed page.

5. Optionally, select the Show page numbers check box to show a page number on each page.

6. If you pressed Thumbnails or Handouts in step 2, select a thumbnail size in the Thumbnail Size drop-down list and, optionally, select the Show Thumbnail titles check box to show titles under each thumbnail.

7. Press Continue.

   A dialog box appears.

8. If all print settings aren’t visible, press the disclosure triangle beside the Printer drop-down list.
9. Select **All** to include all pages.

   OR

   Select **From** to include select pages, and then type the page range.

10. Select other print settings, including the printer name and the number of copies.

11. Press **Print**.

**Exporting files**

You can export your .notebook files to the following formats:

- Web pages

- Picture formats
  - BMP
  - GIF (Windows operating systems)
  - JPEG
  - PNG
  - TIFF (OS X operating systems)

- PowerPoint® (Windows operating systems)

- PDF

- Interactive Whiteboard Common File Format (CFF)

**NOTES**

For OS X operating systems, note the following:

- **SMART Notebook** software doesn’t include attachments when you export files as picture files (Windows operating systems). To include attachments, you must export your file as either web pages or PDF (Adobe® Reader® 8.0 or later).

- **SMART Notebook** software doesn’t include links when you export files as web pages, picture files or PDF. **SMART Notebook** software doesn’t include attachments when you export files as picture files or PDF. To include attachments, you must export your file as web pages.

- **SMART Notebook** software doesn’t export files that you attach to your .notebook file as shortcuts. If you want to include an attachment, attach a copy of the file.
SMART Notebook software doesn’t export files that you attach to your .notebook file as aliases. If you want to include an attachment, attach a copy of the file.

SMART Notebook software doesn’t export some gradient, pattern and image effects. These effects might appear as a solid fill or appear incorrectly in the exported file.

To export a file as web pages
   A dialog box appears.
2. Browse to where you want to export the file.
3. Type a name for the file in the File name box.
4. Type a name for the file in the Save As box.
5. Press Save.

To export a file as a picture file
1. Select File > Export As > Image Files.
   A dialog box appears.
2. Select a folder where you want to export the files.
3. Select a picture format in the Image Type drop-down list.
4. Select a picture size in the Size drop-down list.
5. Select a picture format in the Image Format drop-down list.
6. Select a picture size in the Image Size drop-down list.
7. Type a name for the files in the Save As box.
8. Press OK.
9. Press Save.

To export a file as a PowerPoint file
1. Select File > Export As > PowerPoint.
   The Save As dialog box appears.
2. Browse to where you want to export the file.
3. Type a name for the file in the File name box.
4. Select PowerPoint 2007 Files (*.pptx) or PowerPoint Files (*.ppt) in the Save at type drop-down list.
5. Press Save.

To import a PowerPoint file
1. Select File > Import.
   The Open dialog box appears.
2. Select All PowerPoint Files (*.ppt;*.pptx) in the Files of type drop-down list.
3. Browse to and select the PowerPoint file you want to import.
4. Press Open.
   SMART Notebook software adds the contents of the PowerPoint file to a .notebook file.

To export a file as a PDF file
1. Select File > Export As > PDF.
   The Export PDF dialog box appears.
2. Press Thumbnails, Handouts or Full Page.
3. Optionally, type header text in the Header box, footer text in the Footer box and the current date in the Date box.
4. Optionally, select the Show page numbers check box to show a page number on each page.
5. If you pressed Thumbnails or Handouts in step 2, select a thumbnail size in the Thumbnail size drop-down list and, optionally, select the Page borders check box to show a border around each thumbnail and the Thumbnail titles check box to show titles under each thumbnail.
6. Select All to include all pages.
   OR
   Select Pages to include select pages, and then type the page numbers in the box. Separate individual page numbers with commas and separate page ranges with a hyphen (for example, 1,2,4-7).
7. Press Save.
   The Save as PDF File dialog box appears.
8. Browse to where you want to export the file.
9. Type a name for the file in the File name box.

10. Press Save.

To export a file as a PDF file

1. Select File > Export As > PDF.
   
   A dialog box appears.

2. Press Thumbnails, Handouts or Full Page.

3. Optionally, type header text in the Header box, footer text in the Footer box and the current date in the Date box.

4. Optionally, select the Show page borders check box to show a border around each printed page.

5. Optionally, select the Show page numbers check box to show a page number on each page.

6. If you pressed Thumbnails or Handouts in step 2, select a thumbnail size in the Thumbnail Size drop-down list and, optionally, select the Show Thumbnail titles check box to show titles under each thumbnail.

7. Press Continue.
   
   The Save dialog box appears.

8. Browse to where you want to export the file.

9. Type a name for the file in the Save As box.

10. Press Save.

To export a file as a CFF file

1. Select File > Export As > CFF.

   A dialog box appears.

2. Browse to where you want to export the file.

3. Type a name for the file in the File name box.

4. Type a name for the file in the Save As box.

5. Press Save.

To import a CFF file

1. Select File > Import.

   The Open dialog box appears.
2. Select **All Common File Format Files (*.iwb)** in the *Files of type* drop-down list.

3. Select **File > Import > All Common File Format Files (.IWB)**.
   
   A dialog box appears.

4. Browse to and select the file you want to import.

5. Press **Open**.
   
   The file opens.

### Attaching files to e-mail messages

You can send your file to others by attaching the file, or a PDF version of the file, to an e-mail message.

**NOTE**

Attaching files to email messages can only be performed with Windows operating systems.

### To attach a file to an e-mail message

Select **File > Send To > Mail Recipient**.

Your default e-mail program starts, creates a new message and attaches the current file to the message.

If you haven’t saved the file, SMART Notebook software saves it as a temporary file called **untitled.notebook** and your e-mail program attaches this temporary file to the e-mail message.

### To attach a file to an e-mail message as a PDF

Select **File > Send To > Mail Recipient (as PDF)**.

Your default e-mail program starts, creates a new message and attaches a PDF of the current file to the message.

If you haven’t saved the file, SMART Notebook software saves the PDF file as a temporary file called **untitled.pdf** and your e-mail program attaches the temporary file to the e-mail message.
Chapter 3
Creating basic objects

Writing, drawing and erasing digital ink ......................................................... 36
  Writing, drawing and erasing digital ink ......................................................... 36
  Erasing digital ink ......................................................................................... 39
Creating and working with shapes and lines ................................................... 39
  Creating shapes with the Shapes tool ............................................................ 39
  Creating shapes with the Polygons tool ......................................................... 40
  Creating shapes with the Shape Recognition Pen tool ..................................... 41
  Creating straight lines and arcs .................................................................... 42
  Displaying and editing a shape’s side lengths .............................................. 43
  Displaying and editing a shape’s vertices ..................................................... 44
  Displaying interior angles ............................................................................. 45
Creating and working with text ..................................................................... 45
  Typing text ...................................................................................................... 46
  Formatting text ............................................................................................... 46
  Resizing text objects ...................................................................................... 48
  Cutting, copying and pasting text objects .................................................... 49
  Inserting mathematical symbols .................................................................. 49
  Checking the spelling of text ....................................................................... 50
Creating and working with tables ................................................................. 51
  Creating tables ............................................................................................... 51
  Selecting tables, columns, rows or cells ..................................................... 53
  Adding or removing columns, rows or cells ............................................. 54
  Resizing tables, columns or rows ............................................................... 55
  Adding objects to tables ............................................................................... 56
  Moving tables ................................................................................................. 57
  Changing a table’s properties ...................................................................... 58
  Splitting or merging table cells ................................................................... 60
  Deleting tables and the contents of tables .................................................. 61

Objects are the building blocks of content in your .notebook files. An object is simply an item on a page that you create or import and then work with.
Writing, drawing and erasing digital ink

Digital ink is freehand text or objects that you create using your interactive display’s pen or pens, or the SMART Notebook software Pens tool. Writing or drawing digital ink enables you to quickly add content to your SMART Notebook software files, either when creating the files or when presenting the files to students.

After you create digital ink, you can erase it.

Writing, drawing and erasing digital ink

The easiest way to write or draw digital ink is to use your interactive display’s pen or pens.

You can also create freehand objects using the Pens tool. The Pens tool enables you to write or draw digital ink using the following pen types:

<table>
<thead>
<tr>
<th>Pen type</th>
<th>Purpose and example</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Write or draw digital ink in a variety of colors and line styles.</td>
<td>The Standard pen can be used for most writing applications.</td>
</tr>
<tr>
<td></td>
<td>[Image of example]</td>
<td></td>
</tr>
<tr>
<td>Calligraphic</td>
<td>Write or draw digital ink, like you do with the Standard pen type, but with lines of varying thickness.</td>
<td>The Calligraphic pen type is useful for teaching students handwriting.</td>
</tr>
<tr>
<td></td>
<td>[Image of example]</td>
<td></td>
</tr>
<tr>
<td>Crayon</td>
<td>Write or draw crayon-like digital ink.</td>
<td>The Crayon pen type is intended for artistic work, such as painting and coloring pictures, rather than writing.</td>
</tr>
<tr>
<td></td>
<td>[Image of example]</td>
<td></td>
</tr>
<tr>
<td>Highlighter</td>
<td>Highlight text and other objects.</td>
<td>Use the Highlighter pen to add emphasis to text.</td>
</tr>
<tr>
<td></td>
<td>[Image of example]</td>
<td></td>
</tr>
<tr>
<td>Pen type</td>
<td>Purpose and example</td>
<td>Notes</td>
</tr>
<tr>
<td>-------------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Text</td>
<td>Write notes that automatically convert to editable text.</td>
<td>You can edit your text as you work without touching a keyboard.</td>
</tr>
<tr>
<td>Creative</td>
<td>Add colorful elements to your presentations.</td>
<td>You can create custom Creative pen styles (see Creating custom Creative pen styles on page 108).</td>
</tr>
<tr>
<td>Paint Brush</td>
<td>Write or draw paint-like digital ink.</td>
<td>The Paint Brush pen type is intended for artistic work, such as painting and coloring pictures, rather than writing.</td>
</tr>
<tr>
<td>Magic</td>
<td>Write or draw digital ink that fades after a few seconds.</td>
<td>You can also use the Magic Pen to open a magnification window or a spotlight window (see Using the Magic Pen on page 159).</td>
</tr>
<tr>
<td>Shape Recognition</td>
<td>Draw a variety of shapes with digital ink.</td>
<td>You can draw circles, ovals, squares, rectangles, triangles and arcs (see Creating shapes with the Shape Recognition Pen tool on page 41).</td>
</tr>
</tbody>
</table>
To write or draw digital ink

1. Press Pens.

The Pen tools buttons appear.

2. Press Pen Types, and then select a pen type.

3. Select a line type.

4. Optionally, customize the line type using the property selectors.

   **NOTE**

   You can also customize the line type using the Properties tab (see Changing object properties on page 66).

5. Write or draw digital ink on the page.

   **TIPS**

   - Don’t rest your elbow or the palm of your hand on your interactive product’s surface while you write or draw.
   - If you write or draw multiple lines, SMART Notebook software automatically combines the lines into a single object. For example, if you write the letters of a word, SMART Notebook software combines the individual letters, enabling you to interact with the whole word. If you want to write words on the same line but don’t want them combined, leave a large gap between them, use different pens, or briefly put the pen in the pen tray before writing another word (interactive whiteboards only).
   - If you want to write diagonally, write in a straight line, and then rotate it.
   - If you want to write in small letters, write large letters, and then reduce their size.
   - You can fill areas that you’ve enclosed with digital ink.
Erasing digital ink
You can erase digital ink from your interactive display using the eraser or the erasing gesture. If you’re erasing digital ink from a .notebook file page, you can also erase objects using the Eraser tool.

NOTE
Although you can erase digital ink, you’re unable to erase other types of objects, including shapes, lines, text and pictures. To remove these types of objects, you must delete them.

To erase digital ink
1. Press Eraser , and then select an eraser type.
2. Erase the digital ink.

Creating and working with shapes and lines
In addition to creating freehand shapes and lines by drawing digital ink, you can create shapes and lines using the tools in SMART Notebook software. If you’re using shapes to teach geometry, you can display and edit a shape’s side lengths and vertices as well as display its interior angles.

NOTE
The Eraser tool doesn’t remove shapes. Delete a shape or line to remove it.

Creating shapes with the Shapes tool
You can use the Shapes tool to create a variety of shapes, including perfect circles, squares, triangles, other geometric shapes, hearts, check marks and Xs.

You can add a shape to your page, and then edit its properties. Alternatively, you can customize a shape’s outline color, fill color and line thickness, and then add it to your page.
CHAPTER 3
CREATING BASIC OBJECTS

To create a shape

1. Press Shapes .

The Shapes tool buttons appear.

2. Select a shape on the toolbar.

OR

Press ▼ and then select a shape.

3. Optionally, customize the shape using the property selectors.

   NOTE

   You can also customize the shape using the Properties tab (see Changing object properties on page 66).

4. Create a shape by pressing where you want to place the shape and dragging until the shape is the size you want.

   TIPS

   ○ You can create perfect circles, squares, triangles and other shapes by holding down SHIFT as you draw the shape.

   ○ You can select a shape while the Shapes tool is active without having to switch to the Select tool . Press the shape once, and a selection rectangle appears around the shape.

Creating shapes with the Polygons tool

In addition to creating shapes using the Shapes tool, you can create regular polygons with 3 to 15 sides using the Regular Polygons tool.
To create a shape with the Regular Polygons tool

1. Press **Regular Polygons**.

   The Regular Polygons tool buttons appear.

   ![Shapes and Property selectors](image)

2. Select a shape on the toolbar.

   OR

   Press ▼ and then select a shape.

   **NOTE**

   The number in the shape indicates its number of sides.

3. Optionally, customize the shape using the property selectors.

   **NOTE**

   You can also customize the shape using the Properties tab.

4. Create a shape by pressing where you want to place the shape and dragging until the shape is the size you want.

Creating shapes with the Shape Recognition Pen tool

You can use the Shape Recognition Pen tool to draw circles, ovals, squares, rectangles, triangles and arcs.
CHAPTER 3
CREATING BASIC OBJECTS

To draw a shape

1. Press Pens. [Image]

   The Pen tools buttons appear.

2. Press Pen Types, and then select Shape Recognition Pen.

3. Draw a shape on the page.

   If SMART Notebook software recognizes your drawing as a circle, oval, square, rectangle, triangle or arc, it adds this shape to the page.

Creating straight lines and arcs

You can use the Lines tool to draw straight lines and arcs.

You can add a line to your page, and then edit its properties. Alternatively, you can customize the line, and then add it to your page.
CHAPTER 3
CREATING BASIC OBJECTS

To create a straight line or arc

1. Press **Lines**.
   
The Lines tool buttons appear.

![Line and arc types](image)

2. Select a line or arc type.
3. Optionally, customize the line or arc type using the property selectors.

  **NOTE**
  
  You can also customize the line or arc type using the Properties tab (see *Changing object properties* on page 66).

4. Create a line by pressing where you want the line to start and dragging to where you want the line to end.

Displaying and editing a shape’s side lengths

You can display a shape’s side lengths. If you edit the displayed length, SMART Notebook recalculates and displays the lengths of the other sides.

**NOTES**

- If you display these lengths and then edit the shape’s vertices (see *DisplayAndEditShapeVertices*), SMART Notebook Math Tools updates the labels and displays the new side lengths.
- You can also display interior angles (see *DisplayInteriorAngles*).
CHAPTER 3
CREATING BASIC OBJECTS

To display side lengths
1. Select the shape.
2. Press the shape’s menu arrow, and then select **Show/Hide Side Lengths**.
   SMART Notebook Math Tools calculates the lengths based on the ruler’s default units.

   **NOTE**
   To hide side lengths, press the shape’s menu arrow, and then select **Show/Hide Side Lengths** again.

To edit side lengths
1. If you haven’t done so already, display the side lengths.
2. Double-click the side length you want to change.
3. Type the new length.
4. Press somewhere else on the page.
   SMART Notebook Math Tools recalculates and displays the lengths of the other sides.

Displaying and editing a shape’s vertices
You can edit the position of a shape’s vertices. If you’re displaying the shape’s interior angles or side lengths, SMART Notebook Math Tools updates the labels and displays the new interior angles or side lengths automatically.

To display the vertices of a shape
1. Select the shape.
2. Press the shape’s menu arrow, and then select **Show/Hide Vertices**.
   A red circle replaces each of the shape’s vertices.

To edit the vertices of a shape
1. If you haven’t done so already, display the shape’s vertices.
2. Drag a red circle to move that vertex.
3. When you finish editing the shape’s vertices, press anywhere else on the page.
To hide the vertices of a shape

1. Select the shape.
2. Press the shape’s menu arrow, and then select Show/Hide Vertices again.

Displaying interior angles

You can display the interior angles of a shape.

NOTES

- If you display these angles and then edit the vertices of the shape (see Displaying and editing a shape’s vertices on the previous page), SMART Notebook updates the labels and displays the new interior angles.
- You can also display side lengths (see To display side lengths on the previous page).

To display interior angles

1. Select the shape.
2. Press the shape’s menu arrow, and then select Show/Hide Interior Angles.

NOTE

To hide interior angles, press the shape’s menu arrow, and then select Show/Hide Interior Angles again.

Creating and working with text

You can create text in SMART Notebook software by doing any of the following:

- Typing the text using a keyboard connected to your computer
- Typing the text using the on-screen keybarod
- Writing the text and then converting it to typed text using the software’s handwriting recognition feature

After creating text, you can edit it, check its spelling and change its properties, including font style, size and color.
Typing text
You can type new text or edit existing text.

To type new text
1. If a keyboard isn’t accessible, press and hold SMART Board Tools in the notification area (Windows operating systems) or the Dock (OS X operating system software), and then select Keyboard.
2. Press Text Properties, and then select an available font style.
3. Optionally, customize the font style (see Formatting text below).
4. Press where you want the text to start.
5. Type your text.
6. When you’re done, press outside the text object.

To edit existing text
1. Double-click the text object.
2. Edit the text.
3. When you’re done, press outside the text object.

Formatting text
If you want to format all text in a text object, select the text object.

OR

If you want to format specific text in a text object, double-click the text object, and then select the text.

You can format text using the buttons in the toolbar or the options in the Properties tab or the Format menu.

NOTE

If the Properties tab isn’t visible, press Properties, and then press Text Style.
The following table presents the formatting changes that you can make using the above tools:

<table>
<thead>
<tr>
<th>Change</th>
<th>Toolbar</th>
<th>Properties tab</th>
<th>Format menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>Character, paragraph or object level</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change the font face</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Change the font size</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

**TIP**

To select a font size that doesn't appear in the drop-down list (including font sizes with decimal values such as 20.5), type the font size in the *Font Size* box on the toolbar.

<table>
<thead>
<tr>
<th>Change</th>
<th>Toolbar</th>
<th>Properties tab</th>
<th>Format menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change the color</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Bold, italicize or underline text</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Strike out text</td>
<td>Yes¹</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Superscript or subscript text</td>
<td>Yes²</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Paragraph or object level</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change justification (left, right or center)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Change indentation</td>
<td>Yes³</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Create a bulleted or numbered list</td>
<td>Yes⁴</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Insert a drop cap</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**TIP**

To insert a drop cap at the beginning of a paragraph, press *Drop Cap* in the *Properties* tab under *Text Style*.

OR

Select *Format > Paragraph > Drop Cap*.

---

¹ Under More Text Options
² Under More Text Options
³ Under More Text Options
⁴ Under More Text Options
### Change

<table>
<thead>
<tr>
<th>Change</th>
<th>Toolbar</th>
<th>Properties tab</th>
<th>Format menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change line spacing</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**TIP**

To add spacing between paragraphs, select the **Add space after paragraphs** check box in the Properties tab or select **Format > Paragraph > Line Spacing > Add space after paragraphs**.

<table>
<thead>
<tr>
<th>Change language direction (left-to-right or right-to-left)</th>
<th>No</th>
<th>No</th>
<th>Yes</th>
</tr>
</thead>
</table>

**NOTE**

Select **Format > Paragraph > Direction > Left to Right** for languages that read left to right (for example, English and French).

OR

Select **Format > Paragraph > Direction > Right to Left** for languages that read right to left (for example, Arabic and Hebrew).

### Object level

<table>
<thead>
<tr>
<th>Change text direction (horizontal or vertical)</th>
<th>Yes&lt;sup&gt;5&lt;/sup&gt;</th>
<th>Yes</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change transparency</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

### Resizing text objects

When you resize a text object, the text in the object changes size.

If you want to resize the text object without changing the size of the text in the object, complete the following procedure.

**To resize a text object**

1. Double-click the text object.
2. Press one of the two white circles on either side of text object, and then drag the circle to increase or reduce the text object’s size.

<sup>5</sup> Under More Text Options
Cutting, copying and pasting text objects
You can cut, copy and paste text objects like any other objects. You can also cut and paste text in a text object.

To cut and paste text to another location on the same page
1. Double-click the text object.
2. Select the text you want to cut.
3. Drag the selected text to another location on the same page.

To cut and paste text to another page
1. If the Page Sorter tab isn’t visible, press Page Sorter.
2. Double-click the text object.
3. Select the text you want to copy.
4. Drag the selected text to the other page’s icon in the Page Sorter tab.

Inserting mathematical symbols
You can insert a variety of mathematical and scientific symbols into a page.

NOTE
The mathematical symbols are characters only. They don’t perform mathematical operations.

To insert a mathematical symbol
1. Type text on a page.
2. Press More Text Options and then select Insert Symbol.
   A dialog box appears.
3. Press a category.
   A list of symbols appears.
4. Press the symbol you want to add to the text.
5. Press Insert.
   The symbol appears in the text object.
CHAPTER 3
CREATING BASIC OBJECTS

Checking the spelling of text
As you type text, SMART Notebook software checks the spelling. If you spell a word incorrectly, SMART Notebook software underlines the word red. You can then right-click the word and select the correct spelling from a list of options.

If you prefer, you can disable this feature and check the spelling using the *Spelling Check* dialog box.

**To disable automatic spell checking**

1. Press **Text**.
2. Press **More Text Options** and then select **Check Spelling**.

**To manually check spelling of a text object**

1. Select the text object.
2. Press the object’s menu arrow, and then select **Check Spelling**.
   
   If SMART Notebook software finds a misspelled word, the *Spelling Check* dialog box appears. For OS X, the *Spelling and Grammar* dialog box appears. This dialog box displays the misspelled word and suggests alternatives.
3. For each misspelled word, do one of the following:
   
   - To keep the word’s current spelling for this instance, press **Ignore Once**.
   - To keep the word’s current spelling for all instances in the file, press **Ignore All**.
   - To keep the word’s current spelling for all instances in the file and add the spelling to the dictionary, press **Add to Dictionary**.
   - To change the word’s spelling for this instance, select the correct word in the *Suggestions* list, and then press **Change**.
   - To change the word’s spelling for all instances in the file, select the correct word in the *Suggestions* list, and then press **Change All**.

**NOTE**

If you pressed a button by mistake, press **Undo** to undo the resulting change.

After you complete this step for each misspelled word, a dialog box appears asking whether you want to check the spelling in the rest of the file.
4. Press **Yes** to check the remainder of the file.

OR

Press **No** to close the *Spelling Check* dialog box without checking the rest of the file.

Creating and working with tables

You can create tables in SMART Notebook software or paste them from other programs. After you create a table, you can insert objects into the table’s cells.

If you want to customize a table, you can select a table, column, row, cell or selection of cells, and then do any of the following:

- Move the table
- Change line type, fill and text properties
- Resize the table, a column or a row
- Insert or remove columns, rows or cells
- Split or merge cells
- Delete the table

Creating tables

To insert a table using the Table button

1. Press **Table**.

   A grid appears.
2. Move the pointer over the grid to select the number of columns and rows that you want in the table.

**NOTE**

The cells of the grid correspond to the cells of your table.

**TIP**

The grid displays eight rows and eight columns by default. You can add rows by moving the pointer past the bottom row. Similarly, you can add columns by moving the pointer past the right row.

If you’re using a mouse, click and hold the left mouse button while moving the pointer.

3. Press the screen or click your mouse.

The table appears on the page.

To insert a table using the Insert Table dialog box

1. Select **Insert > Table**.
   
The *Insert Table* dialog box appears.

2. Type the number of rows and columns in the boxes.

3. Optionally, select **Make cells square** to make the table cells square.

4. Optionally, select **Remember dimensions for new tables** to use the current table dimensions for all future tables that you create in SMART Notebook software.

5. Press **OK**.

The table appears on the page.
To draw a table

1. Press Pens.
   The Pen tools buttons appear.

2. Press Pen Types, and then select Pen or Calligraphic Pen.
3. Select a line type.
4. Draw a table on the screen.

   TIP
   Make the lines of the table as straight as possible and connect the corners.

5. Press Select.
6. Select your drawing.
7. Press the menu arrow, and then select Recognize Table.
   If SMART Notebook software recognizes your drawing as a table, it removes your drawing and adds a table to the page.

Selecting tables, columns, rows or cells
You can select a table, column, row, cell or selection of cells. After you select a table or part of a table, you can do the following:

- Move the table
- Change the table's or cells' properties
- Resize the table, columns or rows
- Add or remove columns, rows or cells
- Split or merge cells
- Delete the table
To select a table

1. Press \textit{Select}.
2. Press outside, but near to, a corner of the table, and then drag to the opposite corner.

\textbf{NOTE}

Don’t start dragging from inside the table. If you do, you select a table cell instead of the table.

To select a column

1. Press \textit{Select}.
2. Press inside the column's top cell, and then drag to the bottom cell.

To select a row

1. Press \textit{Select}.
2. Press inside the row's leftmost cell, and then drag to the rightmost cell.

To select a cell

1. Press \textit{Select}.
2. Press inside the cell.

To select multiple cells

1. Press \textit{Select}.
2. Press inside the top and leftmost cell, and then drag to the bottom and rightmost cell.

\textbf{NOTE}

If you select multiple cells and drag them to a different position on the page, you create a new table consisting of the selected cells and their contents.

Adding or removing columns, rows or cells

If you want to customize a table, you can add columns or rows.
CHAPTER 3
CREATING BASIC OBJECTS

To add a column

1. Select a column.
2. Press the column's menu arrow, and then select **Insert Column**.
   A new column appears to the right of the current column.

To remove a column

1. Select the column.
2. Press the column's menu arrow, and then select **Delete Column**.

To add a row

1. Select a row.
2. Press the row's menu arrow, and then select **Insert Row**.
   A new row appears below the current row.

To remove a row

1. Select the row.
2. Press the row's menu arrow, and then select **Delete Row**.

To remove a cell

1. Select the cell.
2. Press the cell's menu arrow, and then select **Delete Cells**.

**NOTE**

- Removing a cell deletes the contents of the cell.
- You're unable to remove a cell if it provides the only connection between two halves of a table.

Resizing tables, columns or rows

If you want to customize a table, you can resize the table, a column or a row.
To resize a table
1. Select the table.
2. Press the table’s resize handle (the gray circle), and then drag it to increase or reduce the size of the table.

To resize a column
1. Press Select.
2. Press the vertical border to the right of the column.
   A resize pointer appears.
3. Drag the vertical border to resize the column.

To resize a row
1. Press Select.
2. Press the horizontal border below the row.
   A resize pointer appears.
3. Drag the horizontal border to resize the row.

To resize all cells in a table
1. Select the table.
2. Press the table’s menu arrow, and then select Adjust size.
3. Select one of the following options:
   - Make same height to make all cells in the table the same height.
   - Make same width to make all cells in the table the same width.
   - Make same size to make all cells in the table the same height and width.
   - Make cells square to make all cells in the table square.

Adding objects to tables
After you insert a table on a page, you can insert objects into the table’s cells.
NOTE

You can add only one object to each cell. If you want to add multiple objects to a cell, do one of the following:

- Group the objects before adding them to the table (see Grouping objects on page 77).
- Select all of the objects at once, and then add them to the table as described in the following procedure. SMART Notebook software automatically groups the objects in the table cell.

To add an object to a table

1. Select the object.
2. Drag the object to the table cell.

NOTE

You’re unable to move an object if it’s locked in place.

The object appears in the table cell.

NOTE

If you add a text object to a table, the cell resizes to fit the text object. If you add other object types to the table, the object resizes to fit the cell.

To remove an object from a table

1. Select the object.
2. Drag the object out of the table.

Moving tables

After you create a table, you can move it on the page.

To move a table

Select the table, and then drag it to a different position on the page.

OR

Select all of the table’s cells, and then drag the cells to a different position on the page.
Changing a table’s properties
You can use the Properties tab to change the table’s properties, including its transparency, cell color and line color.

To change a table’s fill

1. Select a table, column, row, cell or selection of cells.
2. Press the table’s, column’s, row’s or cell’s menu arrow, and then select Properties.
3. Press Fill Effects.
4. Select a fill style:

<table>
<thead>
<tr>
<th>Fill style</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>None (transparent)</td>
<td>Select <strong>No fill</strong>.</td>
</tr>
<tr>
<td>Solid color</td>
<td>a. Select <strong>Solid fill</strong>.</td>
</tr>
<tr>
<td></td>
<td>b. Do one of the following:</td>
</tr>
<tr>
<td></td>
<td>○ Select one of the 40 colors in the palette.</td>
</tr>
<tr>
<td></td>
<td>○ Press <strong>More</strong>, and then select a color in the dialog box.</td>
</tr>
<tr>
<td></td>
<td>○ Press the eyedropper <strong>️</strong>, and then select a color on the screen.</td>
</tr>
<tr>
<td>Gradient of two colors</td>
<td>a. Select <strong>Gradient fill</strong>.</td>
</tr>
<tr>
<td></td>
<td>b. For each color, do one of the following:</td>
</tr>
<tr>
<td></td>
<td>○ Select one of the 40 colors in the palette.</td>
</tr>
<tr>
<td></td>
<td>○ Press <strong>More</strong>, and then select a color in the dialog box.</td>
</tr>
<tr>
<td></td>
<td>○ Press the eyedropper <strong>️</strong>, and then select a color on the screen.</td>
</tr>
<tr>
<td></td>
<td>c. Select an option in the <strong>Style</strong> drop-down list.</td>
</tr>
<tr>
<td>Pattern</td>
<td>a. Select <strong>Pattern fill</strong>.</td>
</tr>
<tr>
<td></td>
<td>b. Select a pattern.</td>
</tr>
<tr>
<td></td>
<td>c. Press <strong>Foreground color</strong>, select a color in the dialog box, and</td>
</tr>
<tr>
<td></td>
<td>then press <strong>OK</strong>.</td>
</tr>
<tr>
<td></td>
<td>d. Press <strong>Background color</strong>, select a color in the dialog box, and</td>
</tr>
<tr>
<td></td>
<td>then press <strong>OK</strong>.</td>
</tr>
<tr>
<td>Picture</td>
<td>a. Select <strong>Image fill</strong>.</td>
</tr>
<tr>
<td></td>
<td>b. Press <strong>Browse</strong>.</td>
</tr>
<tr>
<td></td>
<td>A dialog box appears.</td>
</tr>
<tr>
<td></td>
<td>c. Browse to and select the picture you want to use as a background, and</td>
</tr>
<tr>
<td></td>
<td>then press <strong>Open</strong>.</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE</strong></td>
</tr>
<tr>
<td></td>
<td>If you insert a large picture, a dialog box may appear and prompt you to</td>
</tr>
<tr>
<td></td>
<td>either reduce the picture’s file size or retain the picture’s file size.</td>
</tr>
<tr>
<td></td>
<td>For more information, see <strong>Setting image optimization preferences</strong> on</td>
</tr>
<tr>
<td></td>
<td>page 185.</td>
</tr>
<tr>
<td></td>
<td>d. Select <strong>Keep image size</strong> to keep the picture’s size, regardless of</td>
</tr>
<tr>
<td></td>
<td>whether the picture is larger or smaller than the object.</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td></td>
<td>Select <strong>Scale image to fit</strong> to resize the picture to fit the object.</td>
</tr>
</tbody>
</table>
5. Optionally, drag the **Object transparency** slider to the right to make the table transparent.

**To change a table’s line style**

1. Select a table.

   **NOTE**
   You can only change the line style of an entire table, not individual cells, columns or rows.

2. Press the table’s, column’s, row’s or cell’s menu arrow, and then select **Properties**.

3. Press **Line Style**.

4. Change the table’s line style.

**To change a table’s text style**

1. Select a table, column, row, cell or selection of cells.

2. Press the table’s, column’s, row’s or cell’s menu arrow, and then select **Properties**.

3. Press **Text Style**.

4. Change the table’s text style (see *Formatting text* on page 46).

**Splitting or merging table cells**

You can add tables to your page and insert objects into the table’s cells. If you want to customize a table, you can split or merge cells.

**To split a cell**

1. Select the cell.

2. Press the cell’s menu arrow, and then select **Split**.

3. Select an option to split the cell into multiple rows and/or columns.

   **NOTE**
   If you split a cell that contains content, the content appears in the upper-left cell after the split.
To merge cells

1. Select the cells.
2. Press the cells’ menu arrow, and then select Merge Cells.

NOTE

If you merge cells that contain content, the merged cell contains the contents of the top-left cell. If the top-left cell is empty, the merged cell contains the contents of the next available non-empty cell, moving from left to right, top to bottom.

Deleting tables and the contents of tables

You can delete the contents of a table or the table itself.

NOTE

You can delete all objects on a page, including tables, by clearing the page (see Clearing pages on page 167).

To delete the contents of a table

1. Select the cells containing the content you want to delete.
2. Press Delete

To delete a table

1. Select the table.
2. Press the table’s menu arrow, and then select Delete.
Chapter 4

Working with objects

Selecting objects ................................................................. 64
Changing object properties .................................................. 66
  Changing the fill ............................................................... 66
  Filling digital ink drawings ............................................... 68
  Changing other properties ............................................... 68
  Saving tool settings ......................................................... 69
Positioning objects ............................................................. 69
Aligning objects .................................................................. 69
Rearranging stacked objects ............................................... 71
Cutting, copying and pasting objects .................................... 72
Cropping images with a mask ............................................... 72
Cloning objects .................................................................. 74
Resizing objects .................................................................. 74
Flipping objects .................................................................. 77
Grouping objects .................................................................. 77
Grouping objects automatically ........................................... 79
Deleting objects .................................................................. 79

After creating an object, you can select it and work with it as described in this chapter.

**NOTE**

The tasks described in this chapter are for all objects, not just basic objects.
Selecting objects
Before you can work with an object, you must select it. You can select an individual object, multiple objects or all objects on a page. When you select an object, a selection rectangle appears around it.

The gray circle in the object's lower-right corner is a resize handle.

The green circle above the object is a rotation handle.

The downward arrow in the object's upper-right corner is a menu arrow. Press the menu arrow to display a menu of commands.

NOTE
Pressing an object's menu arrow gives you access to the same menu as right-clicking the object.
To select an object

1. Press Select .
2. Press the object you want to select.

A selection rectangle appears around the object.

NOTE

If you press an object and a lock symbol appears instead of the menu arrow, the object is locked. Depending on the type of lock, you might have to unlock the object before you can manipulate it.

To select multiple objects

1. Press Select .
2. Press the interactive screen and drag until a rectangle surrounds the objects you want to select.

OR

Hold down CTRL (Windows operating systems) or the COMMAND (⌘) key (OS X operating system software), and then press the objects you want to select.

A selection rectangle appears around the selected objects.

NOTE

If you draw a rectangle around multiple objects and some of the objects are locked, you select only the unlocked objects.

To select all objects on a page

Select Edit > Select All.

A selection rectangle appears around all objects on the page.

NOTE

If some of the objects are locked, you select only the unlocked objects.

To select all locked objects on the page

Select Edit > Select All Locked Notes.

A selection rectangle appears around all locked objects on the page.
Changing object properties
You can change an object’s properties. The properties you can change depend on the object you select. You can also select several objects and change their properties at the same time.

Changing the fill
You can change an object’s fill by selecting the object and then setting the fill in the Properties tab or by clicking Fill, setting the fill, and then selecting the object.

To change an object’s fill by first selecting the object
1. Select the object.
2. If the Properties tab isn’t visible, press Properties.
3. Press Fill Effects.
4. Select a fill style:

<table>
<thead>
<tr>
<th>Fill style</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>None (transparent)</td>
<td>Select No fill.</td>
</tr>
<tr>
<td>Solid color</td>
<td>a. Select Solid fill.</td>
</tr>
<tr>
<td></td>
<td>b. Do one of the following:</td>
</tr>
<tr>
<td></td>
<td>○ Select one of the 40 colors in the palette.</td>
</tr>
<tr>
<td></td>
<td>○ Press More, and then select a color in the dialog box.</td>
</tr>
<tr>
<td></td>
<td>○ Press the eyedropper, and then select a color on the screen.</td>
</tr>
<tr>
<td>Gradient of two colors</td>
<td>a. Select Gradient fill.</td>
</tr>
<tr>
<td></td>
<td>b. For each color, do one of the following:</td>
</tr>
<tr>
<td></td>
<td>○ Select one of the 40 colors in the palette.</td>
</tr>
<tr>
<td></td>
<td>○ Press More, and then select a color in the dialog box.</td>
</tr>
<tr>
<td></td>
<td>○ Press the eyedropper, and then select a color on the screen.</td>
</tr>
<tr>
<td></td>
<td>c. Select an option in the Style drop-down list.</td>
</tr>
</tbody>
</table>
### Fill style

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Select <strong>Pattern fill</strong>.</td>
</tr>
<tr>
<td>b.</td>
<td>Select a pattern.</td>
</tr>
<tr>
<td>c.</td>
<td>Press <strong>Foreground color</strong>, select a color in the dialog box, and then press <strong>OK</strong>.</td>
</tr>
<tr>
<td>d.</td>
<td>Press <strong>Background color</strong>, select a color in the dialog box, and then press <strong>OK</strong>.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Picture</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Select <strong>Image fill</strong>.</td>
</tr>
<tr>
<td>b.</td>
<td>Press <strong>Browse</strong>.</td>
</tr>
<tr>
<td></td>
<td>A dialog box appears.</td>
</tr>
<tr>
<td>c.</td>
<td>Browse to and select the picture you want to use as a background, and then press <strong>Open</strong>.</td>
</tr>
</tbody>
</table>

#### NOTE

If you insert a large picture, a dialog box may appear and prompt you to either reduce the picture’s file size or retain the picture’s file size. For more information, see Setting image optimization preferences on page 185.

|         | d. Select **Keep image size** to keep the picture’s size, regardless of whether the picture is larger or smaller than the object. |
|         | OR Select **Scale image to fit** to resize the picture to fit the object. |

5. Optionally, drag the **Object transparency** slider to the right to make the object transparent.

#### TIP

You can also change an object’s properties using the property selectors on the toolbar.

---

### To change an object’s fill by first pressing the Fill button

1. Press **Fill** , and then select a color.

2. Select the object.

3. Repeat step 2 for each object you want to apply the fill to.
Filling digital ink drawings
In addition to filling shapes, regular polygons and irregular polygons, you can fill areas enclosed by digital ink using the Fill button.

NOTES
- To fill an area, you must enclose it with a single digital ink path.
- You’re unable to fill an enclosed area if that area is part of a group (see Grouping objects on page 77).
- When you fill an enclosed area, the fill becomes a separate object, which you can move away from the original enclosed area. You can fill the enclosed area and move the resulting fill object multiple times.

Changing other properties
In addition to fill, you can change objects’ line style and text style.

To change an object’s line style
1. Select the object.
2. If the Properties tab isn’t visible, press Properties.
3. Press Line Style.

4. Change the object’s line style.

**To change an object’s text style**

1. Select the object.

2. If the Properties tab isn’t visible, press Properties.

3. Press Text Style.

4. Change the object’s text style (see Formatting text on page 46).

**Saving tool settings**

When you select a tool in the toolbar, you can change its default settings using the Properties tab and then save your changes by clicking Save Tool Properties.

When you save your changes to a tool’s default settings, the tool’s button displays those changes:

![Tool buttons]

To restore the default settings, see Customizing the toolbar on page 181.

**Positioning objects**

You can change the position of an object by moving it to another area of the existing page or to another page. You can also align objects and change the order of stacked objects.

**Aligning objects**

You can use the Alignment Tools add-on to align and distribute objects on a page. You can align selected objects on the bottom, left, right, top, vertically or horizontally. You can also align stacked objects vertically or horizontally.

If you want, you can display guidelines on a page to assist you in manually aligning objects with other objects, as well as the page’s vertical and horizontal centers. You can also set objects to align automatically with these guidelines when you move the objects on a page.
CHAPTER 4
WORKING WITH OBJECTS

To align objects on a page

1. Select the objects you want to align.
2. Press Add-ons on the toolbar to display the Alignment Tools buttons.
3. Press an alignment button:

<table>
<thead>
<tr>
<th>Button Name</th>
<th>Select this button to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Align bottom</td>
<td>Align selected objects along their bottom edge.</td>
</tr>
<tr>
<td>Align left</td>
<td>Align selected objects along their left edge.</td>
</tr>
<tr>
<td>Align middle X</td>
<td>Align selected objects vertically through the middle of the objects.</td>
</tr>
<tr>
<td>Align middle Y</td>
<td>Align selected objects horizontally through the middle of the objects.</td>
</tr>
<tr>
<td>Align right</td>
<td>Align selected objects along their right edge.</td>
</tr>
<tr>
<td>Align top</td>
<td>Align selected objects along their top edge.</td>
</tr>
<tr>
<td>Stack horizontally</td>
<td>Align selected stacked objects horizontally.</td>
</tr>
<tr>
<td>Stack vertically</td>
<td>Align selected stacked objects vertically.</td>
</tr>
</tbody>
</table>

To display guidelines

1. Select View > Alignment.

A dialog box appears.
2. Select check boxes to specify which guidelines you want to display:

<table>
<thead>
<tr>
<th>Check box</th>
<th>Select this check box to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Show guides for active objects</td>
<td>Display a guideline when you move an object into alignment with another object.</td>
</tr>
<tr>
<td>Show vertical page center guide</td>
<td>Display a guideline when you move an object into alignment with the page’s vertical center.</td>
</tr>
<tr>
<td>Show horizontal page center guide</td>
<td>Display a guideline when you move an object into alignment with the page’s horizontal center.</td>
</tr>
<tr>
<td>Snap objects to guides</td>
<td>Automatically align objects to guidelines when you move the objects on a page.</td>
</tr>
</tbody>
</table>
3. If you want to change the color of the guidelines, press the colored bar to the left of Guide color, and then select a color.

4. Press OK.

Rearranging stacked objects
If objects overlap on a page, you can rearrange the order of the stack (that is, you can control which objects appear in front of others).

**NOTE**
You’re unable to move an object in the stack if it’s locked in place.

**To move an object to the front of the stack**
1. Select the object.
2. Press the object’s menu arrow, and then select Order > Bring to Front.

**To move an object to the back of the stack**
1. Select the object.
2. Press the object’s menu arrow, and then select Order > Send to Back.

**To move an object one place forward in the stack**
1. Select the object.
2. Press the object’s menu arrow, and then select Order > Bring Forward.

**To move an object one place backward in the stack**
1. Select the object.
2. Select the object’s menu arrow, and then select Order > Send Backward.
CHAPTER 4
WORKING WITH OBJECTS

Cutting, copying and pasting objects
You can cut, copy and paste objects—including text, pictures, straight lines, arcs and shapes—in a .notebook file.

<table>
<thead>
<tr>
<th>TIPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• You can paste text from other programs into SMART Notebook software and cut text from SMART Notebook software and paste it into other programs.</td>
</tr>
<tr>
<td>• You can create an exact copy of an object by cloning it.</td>
</tr>
</tbody>
</table>

To cut and paste an object
1. Select the object.
2. Press the object’s menu arrow, and then select Cut.

<table>
<thead>
<tr>
<th>TIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternatively, you can press Cut if you added this button to the toolbar.</td>
</tr>
</tbody>
</table>

3. If you want to paste the object onto a different page, display that page.

To copy and paste an object
1. Select the object.
2. Press the object’s menu arrow, and then select Copy.

<table>
<thead>
<tr>
<th>TIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternatively, you can press Copy if you added this button to the toolbar (see Customizing the toolbar on page 181).</td>
</tr>
</tbody>
</table>

3. If you want to paste the item onto a different page, display that page.

Cropping images with a mask
You can use a mask to crop images. The mask hides the section of the image you crop out instead of deleting it. This enables you to edit the mask if you want to crop a different section of the image. You can also unmask the image to restore the original image.
NOTE

You can crop raster images only. For example, you can crop raster pictures you insert from the Gallery or from your computer. You’re unable to crop other types of objects.

To crop an image with a mask

1. Select the image.
2. Press the image’s menu arrow, and then select Mask.

   A cropping mask appears on the image. Cropped out sections of the image are shaded gray.

3. Drag the image until the section of the image you want to keep appears in the cropping mask.
4. Optionally, press one of the cropping mask’s eight resize handles (the white circles), and then drag it to increase or reduce the cropping mask’s size.
5. Press anywhere outside of the image to crop it.

To edit the mask

1. Select the image.
2. Press the image’s menu arrow, and then select Edit Mask.

   A cropping mask appears on the image. Cropped out sections of the image are shaded gray.

3. Drag the image until the section of the image you want to keep appears in the cropping mask.
4. Optionally, press one of the cropping mask’s eight resize handles (the white circles), and then drag it to increase or reduce the cropping mask’s size.
5. Press anywhere outside of the image to crop it.
**To restore the image**

1. Select the image.
2. Press the image’s menu arrow, and then select *Unmask*.
   The original image is restored.

**Cloning objects**

You can create a duplicate of an object by using the Clone command, or you can create multiple copies of an object using the Infinite Cloner command.

---

**NOTE**

You can also copy and paste objects, including text, images, straight lines, arcs and shapes (see *Cutting, copying and pasting objects* on page 72).

---

**To clone an object**

1. Select the object.
2. Press the object’s menu arrow, and then select *Clone*.
   A duplicate object appears on the page.

**To clone an object using the Infinite Cloner**

1. Select the object.
2. Press the object’s menu arrow, and then select *Infinite Cloner*.
3. Select the object again.
   An infinity symbol appears instead of the object’s menu arrow.
4. Drag the object to another position on the page.
5. Repeat step 4 as many times as you want.
6. When you finish cloning the object, select the original object.
7. Press the infinity symbol, and then clear the selection of *Infinite Cloner*.

**Resizing objects**

You can resize objects on a page by using the resize handle or the scale gesture (if your interactive...
product supports multitouch gestures).

**NOTE**

You're unable to resize an object if it’s locked in place.

### To resize an object using the resize handle

1. Select the object.
2. Press the object’s resize handle (the gray circle), and then drag it to increase or reduce the object's size.

**NOTE**

To keep the shape’s original height-to-width ratio, hold down SHIFT while you drag the resize handle (Windows operating system only).

### To resize multiple objects using the resize handle

1. Group the objects (see Grouping objects on page 77), and then select the group.
   
   A selection rectangle appears around the group.

2. Press the resize handle in the lower-right corner of the selection rectangle.
3. Drag the resize handle to increase or reduce the size of the objects.

### To resize or scale an object from its center using gestures

1. Select the object.
2. Using one finger on each hand, press the screen at opposite ends of the object.
3. Drag your fingers in opposite directions to increase the object's size.

OR

Drag your fingers toward each other to decrease the object's size.

To resize an object from its corner or side using gestures

1. Select the object.
2. Using one finger on each hand, press the screen at the corner or side you want to resize the object from.
3. Drag your fingers in opposite directions to increase the object's size.
   OR
   Drag your fingers toward each other to decrease the object's size.

To resize multiple objects using gestures

1. Select the objects.
2. Using one finger on each hand, press the screen at opposite ends of one of the objects.
3. Drag your fingers in opposite directions to increase the objects’ size.

OR

Drag your fingers toward each other to decrease the objects’ size.

NOTE

The objects resize from their centers regardless of where you press the screen.

Flipping objects

You can flip an object on a page.

NOTE

You're unable to flip an object if it's locked in place.

To flip an object

1. Select the object.
2. Press the object’s menu arrow, and then select Flip > Up/Down or Flip > Left/Right.

To flip multiple objects

1. Select the objects.
2. Press the menu arrow on any one of the selected objects, and then select Flip > Up/Down or Flip > Left/Right.

Grouping objects

You can create a group of objects, which lets you interact with all grouped items at the same time. After you create a group, you can select, move, rotate or resize the group as if it were an individual object. However, if you want to interact with an individual object in a group, you must ungroup the objects first.
You can group and ungroup objects manually using the menu or the shake gesture.

**NOTES**
- You're unable to use the shake gesture with a mouse.
- The shake gesture works only when you initially contact your interactive product's surface.

**To group objects using the menu**
1. Select the objects.
2. Press the menu arrow of any one of the selected objects, and then select **Group > Group**.

**To ungroup objects using the menu**
1. Select the group.
2. Press the group’s menu arrow, and then select **Group > Ungroup**.

**To group objects with the shake gesture**
Quickly shake your finger over the objects three times.

**To ungroup objects with the shake gesture**
Quickly shake your finger over the group three times.
Grouping objects automatically

If you write or draw multiple lines, SMART Notebook software automatically combines the lines into a single object. For example, if you write the letters of a word, SMART Notebook software combines the individual letters, enabling you to interact with the whole word. If you want to write words on the same line but don’t want them combined, leave a large gap between them, use different pens, or briefly put the pen in the pen tray before writing another word (interactive whiteboards only).

If SMART Notebook software combined lines that you want to manipulate individually, ungroup the lines as described above.

Deleting objects

Although you can erase digital ink, you’re unable to erase some types of objects, including text, shapes, straight lines, arcs and pictures. To remove these types of objects from a page, you must delete them.

NOTE

You’re unable to delete an object if it’s locked in place. To delete a locked object from a page, you must unlock it.

To delete an object

1. Select the object.
2. Press the object’s menu arrow, and then select Delete.
Chapter 5
Inserting and sharing content

Using the SMART Notebook 18 Gallery ............................................................... 82
  Inserting content from the Gallery ................................................................. 82
  Adding content to the Gallery ......................................................................... 84
  Organizing content in the Gallery ................................................................... 85
  Sharing content with other teachers ............................................................... 86
Using the SMART Exchange website ............................................................... 87
  Inserting content from the SMART Exchange website ..................................... 87
  Sharing content using the SMART Exchange website ....................................... 88
Using the Notebook math equation editor ......................................................... 89
  To open the Math Equation Editor ................................................................... 89
  Using the Math Equation Editor with GeoGebra .............................................. 90
Inserting content from GeoGebra ..................................................................... 91
Handwriting and inserting equations ................................................................. 92
  Editing a handwritten equation you’ve added .................................................... 93
  Adding your equation to a GeoGebra worksheet .............................................. 94
Using SMART print drivers to convert and share files ....................................... 94
  Converting documents to a SMART Notebook file .......................................... 94
  Sharing non-Notebook files to the SMART cloud ........................................... 95
  Sharing to the Notebook Player app ............................................................... 95
  Creating a link to share the document ............................................................. 96
Using Share ......................................................................................................... 98
  To use Share ..................................................................................................... 98
  Share using a link ............................................................................................. 100
Inserting content from other sources ................................................................ 100
  Inserting pictures ............................................................................................ 101
  Inserting multimedia files ................................................................................ 101
  Importing PowerPoint files (Windows) ............................................................ 101

You can insert pictures, multimedia files and other content into your .notebook files from a variety of sources. These sources include the Gallery, the SMART Exchange® website and the Internet.

After inserting your content, you can organize it using the Gallery and share it with other teachers using the Gallery or the SMART Exchange website.
Using the SMART Notebook 18 Gallery

Use the Gallery tab in the SMART Notebook software user interface to browse or search for lesson activities and content. You can then add that content to your .notebook files.

You can organize your content using the Gallery and share it with other teachers.

Inserting content from the Gallery

The Gallery contains Lesson Activity Examples, which includes Activity Builder examples (see Creating a matching lesson activity on page 103), interactive techniques and 3D models to aid you in creating lesson activities.

When your system administrator installs SMART Notebook software, he or she can install the following additional items:

- Gallery Essentials is a collection of thousands of pictures, multimedia objects and more, organized into subject-specific categories.
- Lesson Activity Toolkit is a collection of customizable tools and templates that you can use to create professional-looking and interactive lessons. The toolkit helps you create engaging content like word games, quizzes and sorting activities.

IMPORTANT

Because Adobe is discontinuing Adobe Flash Player, SMART Notebook 18 does not support Adobe Flash content. You will see a notification about this when you attempt to open Flash content in SMART Notebook 18 for both Windows and OS X operating systems. Learn more about Adobe’s decision and find out how to convert your Flash content in SMART Notebook.

The Gallery is divided into two sections. The top section of the Gallery is the category list. When you select a category or subcategory in the list, its contents appear in the bottom section of the Gallery.

TIP

You can change the size of the category list and content list by pressing the boundary between them, and then dragging it up or down.
You can browse the category list to view the contents of each category. Thumbnails in the categories provide preview images of the content.

- In *Pictures*, pictures appear as thumbnails.
- In *Interactive and Multimedia*, video objects appear as a single frame from the videos, sound objects appear with a speaker icon in the lower-left corner.
- Adobe Flash content is not supported for Windows or OS X operating systems. However, some of your Flash content may be accessible through your web browser. You will see a notification when you attempt to open Flash content in SMART Notebook 18 for OS X operating systems.
- In *3D Objects*, 3D models appear as thumbnails.
- In *Notebook Files and Pages*, files appear as binders and pages appear with a folded upper-right corner.
- In *Backgrounds and Themes*, backgrounds appear as pages with a folded lower-right corner and themes appear as thumbnails.

You can search for a Gallery item using the keyword search.

After browsing or searching for a Gallery item, you can add it to your .notebook file.

### To browse the Gallery

1. If the Gallery isn't visible, press **Gallery**.
2. Press a category’s plus sign to view its subcategories (for Windows operating systems) or press a category’s disclosure triangle to view its subcategories (for OS X operating systems).

    **NOTE**

    You can close a category by pressing the category’s minus sign (Windows operating systems). For OS X operating systems, you can close a category by pressing the category’s disclosure triangle a second time.

3. Select a category or subcategory to display its contents.

### To search the Gallery

1. If the Gallery isn't visible, press **Gallery**.
2. Type a keyword into the *Type search terms here* box, and then press **Search**. The Gallery displays all content containing the keyword.
CHAPTER 5
INSERTING AND SHARING CONTENT

To add a Gallery item to your .notebook file
1. If the Gallery isn’t visible, press Gallery.
2. Browse or search for the Gallery item you want to add.
3. Double-click the Gallery item’s thumbnail.
   - If you add a background, it replaces the page’s existing background.
   - If you add a page from a .notebook file, SMART Notebook software inserts it before the current page.
   - If you add a .notebook file, SMART Notebook software inserts the file’s pages before the current page.

Adding content to the Gallery
You can add SMART Notebook software objects and pages as well as supported files to the My Content category in the Gallery.

To add an object to the Gallery
1. If the Gallery isn’t visible, press Gallery.
2. Select the object that you want to add to the Gallery.
3. Drag the object from the page to the Gallery’s My Content category or one of its subcategories.

NOTES
- You’re unable to drag an object if it’s locked in place.
- If you want to change a Gallery item’s name, select the item, press its menu arrow, and then select Rename.

To add a page to the Gallery
1. Create and modify objects on the page until the page appears exactly as you want it to.
2. Select File > Export Page as Gallery Item The Save Page as Gallery Item dialog box appears.
3. Browse to the folder where you want to save the page.
4. Type a name for the page in the File name box (Windows operating systems) or in the Save As box (OS X operating systems).
5. Press Save.
CHAPTER 5
INSERTING AND SHARING CONTENT

6. If the Gallery isn’t visible, press Gallery.

7. Select My Content (or one of its subcategories) in the Gallery’s category list, press its menu arrow, and then select Add to My Content.

   The Add to My Content dialog box appears (Windows operating systems) or the Open dialog box appears (OS X operating systems).

8. Browse to and select the item that you saved in step 5.


To add a supported file to the Gallery

1. If the Gallery isn’t visible, press Gallery.

2. Select My Content (or one of its subcategories) in the Gallery’s category list, press its menu arrow, and then select Add to My Content.

   The Add to My Content dialog box appears (Windows operating systems) or the Open dialog box appears (OS X operating systems).

3. Browse to and select the item you want to add to the Gallery.

4. Press Open.

   NOTE

   By default, SMART Notebook software names the new Gallery item based on the original file name. If you want to change the item’s name, select the Gallery item’s thumbnail, press its menu arrow, and then select Rename.

Organizing content in the Gallery

As you add objects, pages and supported files to the My Content category in the Gallery, you may want to reorganize the category’s structure. You can create subcategories and move Gallery items between subcategories.

To create a subcategory

1. If the Gallery isn’t visible, press Gallery.

2. Select My Content (or one of its subcategories) in the Gallery’s category list, press its menu arrow, and then select New Folder.

   A new subcategory appears.

3. Type a name for the new subcategory, and then press ENTER (or RETURN).
CHAPTER 5
INSERTING AND SHARING CONTENT

To rename a subcategory

1. If the Gallery isn’t visible, press Gallery.
2. Select My Content in the Gallery’s category list, and then browse to the subcategory that you want to rename.
3. Select the subcategory, press its menu arrow, and then select Rename.
4. Type a new name for the subcategory, and then press ENTER (or RETURN).

To move a Gallery item to a different subcategory

1. If the Gallery isn’t visible, press Gallery.
2. Browse to the category that contains the Gallery item you want to move.
   The Gallery displays the contents of the category.
3. Drag the item to another subcategory.

Sharing content with other teachers

Importing and exporting collection files is an ideal way to share custom categories with other teachers and to use categories that other teachers have created. You can use collection files to add items to the My Content category in the Gallery. After you import a collection file, all of its items appear in the Gallery as a new subcategory.

To import a collection file from another teacher

1. If the Gallery isn’t visible, press Gallery.
2. Select My Content (or one of its subcategories) in the Gallery’s category list, press its menu arrow, and then select Add to My Content.
   The Add to My Content dialog box appears (Windows operating systems) or the Open dialog box appears (OS X operating systems).
3. Browse to the folder that contains the collection file you want to import.
4. Select the collection file, and then press Open.
   The collection appears as a new subcategory.

NOTE
A collection file has a .gallery extension.
CHAPTER 5
INSERTING AND SHARING CONTENT

To export a collection file to share with other teachers

1. Select the category that contains the items you want to save in a collection.

   NOTE
   SMART Notebook software exports the selected category but doesn’t export any of its subcategories. See Knowledge Base article 171128 for more information.

2. Press the category’s menu arrow, and then select Export as Collection File.
   The Save As dialog box appears (Windows operating systems) or The Save dialog box appears (OS X operating systems).

3. Browse to the folder where you want to save the collection file.

4. Type a name for the file in the File name box (Windows operating systems) or in the Save As box (OS X operating systems).

5. Press Save.

Using the SMART Exchange website

The SMART Exchange website (exchange.smarttech.com) includes thousands of lesson plans, question sets, widgets and other content that you can download and then open in SMART Notebook software.

Inserting content from the SMART Exchange website

To insert content from the SMART Exchange website

1. Press Gallery.
   The Gallery window opens.

   The SMART Exchange window opens below the Gallery window.

3. Press the exchange.smarttech.com link. The SMART Exchange website opens in your web browser.
4. If you’re new to the SMART Exchange website, press Join for free, and then follow the on-screen instructions to create an account.

OR

If you have an account, press Sign In, and then follow the on-screen instructions to log on to the SMART Exchange website with your account.

5. Search or browse for content, and then download it to your computer.

6. Import content into the Gallery.

**NOTES**

- You can also share your lesson plans with other teachers through the SMART Exchange website.

---

**Sharing content using the SMART Exchange website**

Use the SMART Exchange website to share .notebook files with teachers from around the world.

**To share a .notebook file on the SMART Exchange website**

1. Open the .notebook file you want to share.

2. Press Gallery and select SMART Exchange from the Gallery content list.

   A dialog box appears below the list with a link to exchange.smarttech.com.


   Your browser will open at the SMART Exchange website.

4. If you’re new to the SMART Exchange website, press Join for free!, and then follow the on-screen instructions to create an account.

OR

If you have an account, select Sign In, then type your e-mail address in the Email Address box and your password in the Password box, and then press Sign In.

**TIPS**

- If you forgot your password, click Forgot your password, and then follow the on-screen instructions to reset it.

- If you don’t want to log on to the SMART Exchange website each time you share content, select the Keep me signed in check box.
CHAPTER 5
INSERTING AND SHARING CONTENT

5. Enter the following information:

<table>
<thead>
<tr>
<th>Control</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter resource details</td>
<td>Type a title for the .notebook file.</td>
</tr>
<tr>
<td>Description</td>
<td>Type a description of the .notebook file.</td>
</tr>
<tr>
<td>Subject(s)</td>
<td>Select the subjects that the .notebook file is applicable to.</td>
</tr>
<tr>
<td>Grade(s)</td>
<td>Select the grades that the .notebook file is applicable to.</td>
</tr>
<tr>
<td>Search terms</td>
<td>Type words or phrases that other SMART Exchange users will likely enter to search for the .notebook file. Separate the words or phrases with commas.</td>
</tr>
</tbody>
</table>

6. Read the sharing agreement.

7. If you accept the sharing agreement, press **Agree and Submit**.

**Using the Notebook math equation editor**

Use the math equation editor to easily add equations to your SMART Notebook pages. You can also use the equation editor with GeoGebra.

**To open the Math Equation Editor**

1. In the menu bar, press the Add-ons button 😊, then press Insert Equation 📋. The Math Equation Editor opens.
2. Enter the numbers you require and use the Math Equation Editor to add operation symbols.

For example, to enter \( \text{a}^2 \), type “a,” then select the \( \times \) symbol from the equation editor. The cursor will move to superscript position after the “a.” Then type “2.”

\[
\text{a}^2 + \text{b}^2 = \text{c}^2
\]

3. When your equation is complete, press Insert Equation.

The equation is inserted into the Notebook page.

Using the Math Equation Editor with GeoGebra

You can add equations to GeoGebra using the Math Equation Editor.

1. To open GeoGebra press Add-Ons and then press GeoGebra.
2. Select Insert GeoGebra Widget.

The GeoGebra worksheet appears on the current page.

3. Open the Math Equation Editor and write the equation you wish to graph, like \( y = x^2 + 3 \).
4. When the equation is complete, press Insert Equation.

The equation is inserted into the Notebook page.
5. Drag the equation onto the GeoGebra worksheet.

The equation will appear in the input area of the worksheet. It will also be graphed on the worksheet page.

Inserting content from GeoGebra

GeoGebra is interactive mathematics software for all levels of education. When you insert the GeoGebra widget in SMART Notebook software, you can explore geometry, algebra, tables, graphing, statistics and calculus with your students.

You can also search for worksheets from GeoGebraTube using the keyword search. After searching for a worksheet, you can add it to your .notebook file. GeoGebraTube (geogebratube.org) contains thousands of worksheets created and shared by other teachers.

NOTE

For more information on how to use GeoGebra software, go to the GeoGebra Wiki (wiki.geogebra.org).

To access the GeoGebra widget

Press Add-ons 🔄, and then press GeoGebra.
CHAPTER 5
INSERTING AND SHARING CONTENT

To insert the GeoGebra widget

1. If the GeoGebra widget isn’t visible, press Add-ons , and then press GeoGebra.
2. Select Insert GeoGebra Widget.

To search GeoGebraTube

1. If the GeoGebra widget isn’t visible, press Add-ons , and then press GeoGebra.
2. Type a keyword into the Search in Free Materials box, and then press Search.
   The GeoGebra widget displays thumbnail images of worksheets containing the keyword.

To add a GeoGebraTube worksheet to your .notebook file

1. If the GeoGebra widget isn’t visible, press Add-ons , and then press GeoGebra.
2. Search for the GeoGebraTube worksheet you want to add.
3. Press the worksheet’s thumbnail, and then select Insert GeoGebra Widget.
   The worksheet appears on the current page.

Handwriting and inserting equations

You can use the SMART Notebook math equation tool to insert a handwritten equation to a page in a more readable format. The math equation tool recognizes your handwriting and automatically converts it to a typeset format. You can also add the recognized equation to a GeoGebra worksheet if the equation is in a supported graph format.

1. Press Add-ons , and then select Insert Equation .
   The math equation tool appears.
2. Select a pen tool and color (see page 36).
3. Write a math equation on the graph paper section of the editor.

   The handwritten equation converts to a typed equation, which appears below the graph paper section. **Accept** and **Reject** icons appear beside the recognized equation.

   ![Handwritten Equation](image)

   ![Typed Equation](image)

4. Press ✓ to accept the recognized equation.

   The typed equation appears on the page.

   OR

   Press ✗ to reject the recognized equation and close the math equation tool.

**Editing a handwritten equation you’ve added**

1. Press **Select** 🔨, and then press the recognized equation on the page twice.

   The handwritten equation appears on the math equation tool.

2. Edit the handwritten equation with the Eraser tool and a pen tool.

   The edited equation is recognized and appears below the graph paper section. Accept and reject icons appear beside the recognized equation.

3. Press ✓ to accept the recognized equation.

   The equation updates with your edits.

   OR

   Press ✗ to reject the recognized equation and close the math equation tool.
Adding your equation to a GeoGebra worksheet

1. Insert your equation.
2. Insert a GeoGebra worksheet on the page (see Inserting content from GeoGebra on page 91).
3. Drag your equation from the page to the GeoGebra widget.

The equation is automatically graphed in the worksheet.

Using SMART print drivers to convert and share files

The SMART print drivers enable you to convert a document made in a Windows application, such as an Adobe PDF or Microsoft PowerPoint file, into a SMART Notebook file. They also enable you to convert and share a file made in a Windows application to the Notebook Player app or create a link to share the file.

**NOTE**

Using this driver will convert the document to a Notebook file.

Converting documents to a SMART Notebook file

**To convert a document to a SMART Notebook file**

1. Open the document you want to convert in its application. For example, if you want to convert an Adobe PDF file to a Notebook file, open the file in the Adobe PDF application.
2. From the application’s main menu, select **File > Print**.

The application’s *Print* dialog box opens.
3. From the *Printer*: drop down menu, select **Send to SMART Notebook**.
4. Select **Print**.
   The document opens in SMART Notebook.
5. View, print, or annotate in the SMART Notebook file.
6. From SMART Notebook’s main menu, select **File > Save** to save the Notebook file.

**Sharing non-Notebook files to the SMART cloud**
When you use the print driver to share a non-Notebook file to the SMART Cloud, it converts the file into a Notebook file and makes it available in your SMART Learning Suite Online lesson library.

There are two options you can use to send to the SMART Cloud:

- **Share to the Notebook Player app**: Use this option to send the file to a SMART Board with iQ and start presenting your content.
- **Create a link to this document**: Use this option to create a link to the content. You can paste this link into any browser to view the file. If you only want to send your content to your SMART Learning Suite Online lesson library, not present it at a board, use this option.

**Sharing to the Notebook Player app**

**To share to the Notebook Player app**

1. Open the document in its application. For example, if the file you want is an Adobe PDF file, open the file in the Adobe PDF application.
2. From the application’s main menu, select **File > Print**.
   The *Print* dialog box opens.
3. From the *Printer*: drop down menu, select **Send to SMART Cloud**.
4. Select **Print**.

The *Send to SMART Cloud* dialog box opens.

![Send to SMART Cloud dialog box](image)

5. Select **Share to the Notebook Player app**.

6. Enter the code of the SMART Board you want to connect to, or select the code from the drop-down menu.

![Share to Notebook Player dialog box](image)

7. Select **Share Now**.

The Lessons library opens.

8. Select the file in the library you wish to share. The file will be available on the board you previously selected.

**Creating a link to share the document**

*To create and share a link using Create a link to this document.*

1. Open the document in its application. For example, if the file you want is an Adobe PDF file, open the file in the Adobe PDF application.
2. From the application's main menu, select **File > Print**. The *Print* dialog box opens.

3. From the *Printer: drop down menu, select **Send to SMART Cloud**.

4. Select **Print**.

The *Send to SMART Cloud* dialog box opens.
5. **Select Create a link to this document.**

The Share dialog box with the copied link appears.

![Share dialog box](image)

**NOTE**

Once the Share dialog box appears, as shown above. The share link in the text box will automatically be copied to your clipboard.

6. **Right-click and select Paste to paste the link and share with others.**

7. **Select the button to close the Share dialog box.**

### Using Share

Use Notebook’s Share feature to share Notebook files and Notebook file links to your SMART Board.

**NOTE**

If you are required to sign in, sign in options will open in a separate browser.

### To use Share

1. **Open SMART Notebook.**
2. From the SMART Notebook menu, select **Share**.

The **Share** dialog box opens.

3. Press **Share with a SMART Board**.

4. Enter the code of the SMART Board to which you wish to connect or select the code from the drop-down menu.

5. Press **Share Now**.

The Lessons library opens.

6. Select the file in the library you wish to share. The file will be available on the board you previously selected.

**NOTE**

Use SMART Notebook Player on the display to open, view and interact with downloaded or assigned SMART Notebook content. Player makes it easy to present files and play SMART lab activities on SMART Boards with iQ technology.

See [Using SMART Notebook Player on your SMART Board 6000 with iQ](http://smarttech.com/kb/171309) for more information.
CHAPTER 5
INSERTING AND SHARING CONTENT

Share using a link
You can also share a file by sending a link to the file to a SMART Board with iQ technology. This is very useful for sharing large files.

1. From the Share dialog box, press **Share using a link**.

   The Share link dialog box opens.

   ![Share link dialog box](https://sample.com/share-link.png)

2. Paste the link into an email and then send the email to those with whom you want to share the file.

   The recipients click the link they received by email to begin the file download.

3. Press ✔️ to close the dialog box.

Inserting content from other sources
If you or other teachers have created content outside of SMART Notebook software, you can include this content in your .notebook files.
CHAPTER 5
INSERTING AND SHARING CONTENT

Specifically, you can do the following:

- Cut, copy, and paste content from other programs
- Import content from other programs such as YouTube™ using the SMART Notebook YouTube add-on
- Import content into a .notebook file from a variety of sources, including PowerPoint files

Inserting pictures
You can insert pictures into pages from files, a scanner or a SMART Document Camera. Simply drag and drop a picture file into a Notebook page. Also see Using your SMART Document Camera.

**NOTE**
You can also insert pictures from the Gallery tab. For more information, see Inserting content from the Gallery on page 82.

Inserting multimedia files
You can insert multimedia files, including video files and sound files, into pages. Simply drag and drop your files into a Notebook page. Also see Adding sounds to objects.

Importing PowerPoint files (Windows)

1. Select File > Import.
   
   The Open dialog box appears.

2. Select All PowerPoint Files (*.ppt;*.pptx) in the Files of type drop-down list.

3. Browse to and select the PowerPoint file you want to import.

4. Press Open.
   
   SMART Notebook software adds the contents of the PowerPoint file to a .notebook file.
Chapter 6
Creating lesson activities

Creating basic lesson activities ................................................................. 103
  Creating a matching lesson activity ......................................................... 103
  Creating a hide-and-show lesson activity ................................................. 105
Using advanced object features ............................................................... 107
  Creating custom Creative pen styles ....................................................... 108
  Adding links to objects ........................................................................ 110
  Adding sounds to objects ..................................................................... 112
  Animating objects ................................................................................ 113
  Locking objects ..................................................................................... 113

Using SMART Notebook software, you can not only present information to students but also engage them in interactive lesson activities.

You can create lesson activities by inserting objects such as shapes, pictures and tables, and using features such as the Activity Builder and scaling gesture.

This chapter documents the advanced features you can use to create lesson activities and shows you how to create a set of example lesson activities. You can use these example lesson activities or develop your own. You can also use resources available to you in the Gallery and SMART Exchange website.

Creating basic lesson activities
The Activity Builder enables you to create matching activities, sorting activities, labeling activities, games and more using your own content.

Creating a matching lesson activity
Using the Activity Builder, you define one object on the page as an activity object. You then define which objects on the page will be accepted and which will be rejected when you drag the objects over the activity object.
NOTE
You'll complete the following tasks when creating matching lesson activities:

- Using the Activity Builder
- Adding sounds to objects (see Adding sounds to objects on page 112)

To create a matching lesson activity

1. Create the object you want to use as the activity object and the objects you want to accept or reject when dragged to the activity object.

2. Press Add-ons ⌁, and then press Activity Builder.

3. Select the object you want to use as the activity object, and then press Edit.

4. Drag the objects you want to accept to the Accept these objects list.
   A green check mark ☑ appears beside objects you select to accept.

5. Drag the objects you want to reject to the Reject these objects list.
   A red X ❌ appears beside objects you select to reject.

NOTES
- To quickly select any remaining objects on the page to accept or reject, press Add All Remaining in the appropriate list.
- To remove an object from a list, drag it to the trash can icon  ■.

6. Press Done.

To change a matching lesson activity’s settings

1. Press Add-ons ⌁, and then press Activity Builder.

2. Select the activity object, and then press Edit.

   TIP
   If you don’t know which object on the page is the activity object, click Identify. Blue diagonal lines appear for three seconds over any activity objects on the page.

3. Press Settings.

4. Select the desired animation for accepted objects in the first Animation drop-down list.
5. Optionally, select the **Also play the object’s sound** check box to play sounds attached to accepted objects when they’re dragged over the activity object (see *Adding sounds to objects* on page 112).

6. Select the desired animation for rejected objects in the first **Animation** drop-down list.

7. Optionally, select the **Also play the object’s sound** check box to play sounds attached to rejected objects when they’re dragged over the activity object (see *Adding sounds to objects* on page 112).

8. Press **Done**.

### To present a matching lesson activity

1. Drag the objects (or have students drag the objects) to the activity object.
   - If the object is accepted, the accepted object animation plays (fade out by default).
   - If the object is rejected, the rejected object animation plays (bounce back by default).

2. Press **Add-ons**, press **Activity Builder**, and then press **Reset All** when you’re done.

### To remove a matching lesson activity

1. Press **Add-ons**, and then press **Activity Builder**.

2. Select the activity object, and then press **Clear Properties**

### Creating a hide-and-show lesson activity

**NOTE**

You’ll complete the following tasks when creating hide-and-show lesson activities:

- Moving objects
- Locking objects
- Resizing objects using the scaling gesture

You can hide an object and then reveal it using several techniques:

- Add a **Screen Shade** to a page. During the presentation, gradually remove the shade to reveal the underlying text and graphics when you’re ready to discuss them (see *Using the Screen Shade* on page 157).
• Cover the object with digital ink and then erase the digital ink (see Writing, drawing and erasing digital ink on page 36).

• Cover the object with another object and then change the order of the objects in the stack.

• Use the object animation feature (see Animating objects on page 113).

Alternatively, you can hide an object behind a locked object and then use the scaling gesture to enlarge and show the hidden object if you’re using a SMART interactive product that supports multitouch gestures.

To create a hide-and-show lesson activity

1. Create or insert the object you want to hide.

2. Create or insert the object you want to lock.
CHAPTER 6
CREATING LESSON ACTIVITIES

3. Move the object you want to lock so that it covers the object you want to hide.

4. Select the object you want to lock, press its menu arrow, and then select **Locking > Lock in Place.**

5. Use the scaling gesture to enlarge and show the hidden object while keeping the locked object in place (see *Resizing objects* on page 74).

Using advanced object features
Using SMART Notebook software, you can not only present information to students but also engage them in interactive lesson activities.

You can create lesson activities by inserting objects such as shapes, pictures and tables, and using features such as the Activity Builder and scaling gesture.
CHAPTER 6
CREATING LESSON ACTIVITIES

Creating custom Creative pen styles
SMART Notebook software includes eight Creative pen styles (see Writing, drawing and erasing digital ink on page 36). In addition to these styles, you can create your own styles using pictures or objects on the currently selected page.

To create a custom Creative pen using a picture


2. Press Pen Types, and then select Creative Pen.
3. Select a line type.
4. If the Properties tab isn’t visible, press Properties.
5. Press Line Style.
6. Select Use a custom stamp image.
7. Click Browse. The Insert Image File dialog box appears.
8. Browse to and select the picture you want to use for the Creative pen style.
10. Write or draw digital ink on the page.

   **TIP**
   - To resume using the default line type, select **Use the default pattern**.
   - If you want to save your custom Creative pen style for future use, press **Save Tool Properties**. You can later reset the Creative pen style (see **Customizing the toolbar** on page 181).

- **To create a custom Creative pen using an object**

  1. Press **Pens**.
     The Pen tools buttons appear.

  2. Press **Pen Types**, and then select **Creative Pen**.
  3. If the Properties tab isn’t visible, press **Properties**.
  4. Press **Line Style**.
  5. Select **Use a custom stamp image**.
  6. Press **Select object**, and then select an object on the page.
  7. Write or draw digital ink on the page.

   **TIP**
   - To resume using the default line type, select **Use the default pattern**.
   - If you want to save your custom Creative pen style for future use, press **Save Tool Properties**. You can later reset the Creative pen style (see **Customizing the toolbar** on page 181).
Adding links to objects
You can link any object on a page to a web page, another page in the file, a file on your computer or an attachment. An attachment is a copy of a file, a shortcut to a file or a link to a web page that you add to the Attachments tab.

NOTE
You can display animated link indicators around all links on a page (see Displaying links on page 156).

To add a link to a web page
1. Select the object.
2. Press the object’s menu arrow, and then select Link.
   The Insert Link dialog box appears.
3. Press Web Page, and then type the web address in the Address box.
4. If you want to open the link by pressing an icon, select Corner icon.
   OR
   If you want to open the link by pressing anywhere in the object, select Object.
5. Press OK.
   If you selected Corner icon, the icon appears in the lower-left corner of the object.

To add a link to another page in the file
1. Select the object.
2. Press the object’s menu arrow, and then select Link.
   The Insert Link dialog box appears.
3. Press Page in this File, and then select an option in the Select a page area.
4. If you want to open the link by pressing an icon, select Corner icon.
   OR
   If you want to open the link by pressing anywhere in the object, select Object.
5. Press OK.
   If you selected Corner icon, the icon appears in the lower-left corner of the object.
CHAPTER 6
CREATING LESSON ACTIVITIES

To add a link to a file on your computer
1. Select the object.
2. Press the object's menu arrow, and then select Link.
   The Insert Link dialog box appears.
3. Press File on this Computer, and then type the file's location and name in the File box.
4. If you want to attach a copy of the file, select Copy of file.
   OR
   If you want to insert a shortcut to the file, select Shortcut to file.
5. If you want to open the link by pressing an icon, select Corner icon.
   OR
   If you want to open the link by pressing anywhere in the object, select Object.
6. Press OK.
   If you selected Corner icon, the icon appears in the lower-left corner of the object.

To add a link to an attachment
1. Select the object.
2. Press the object's menu arrow, and then select Link.
   The Insert Link dialog box appears.
3. Press Current Attachments, and then select the attachment in the list.
4. If you want to open the link by pressing an icon, select Corner icon.
   OR
   If you want to open the link by pressing anywhere in the object, select Object.
5. Press OK.
   If you selected Corner icon, the icon appears in the lower-left corner of the object.

To remove a link
1. Select the object.
2. Press the object's menu arrow, and then select Link.
   The Insert Link dialog box appears.
3. Press Remove Link.
Adding sounds to objects
You can add a sound to any object (except Adobe Flash Player compatible files and widgets) by attaching a sound file or recording a sound using a computer microphone. You can play the sound during the lesson by pressing an icon in the corner of the object or the object itself.

**NOTE**
SMART Notebook software supports the MP3 audio format.

**To add a sound file to an object**

1. Select the object.
2. Press the object's menu arrow, and then select **Sound**.
   
   A dialog box appears.
3. Press **Browse** (for Windows operating systems). The **Insert File** dialog box appears. For OS X operating systems, press **Choose File**. The **Open** dialog box appears.
4. Browse to and select the sound file, and then press **Open**.
5. Select **Corner Icon** if you want to play the sound file when you press an icon in the object’s lower-left corner.
   
   OR
   
   Select **Object** if you want to play the sound file when you press anywhere on the object.
6. Press **Attach Sound**.

**To add a recorded sound to an object**

1. Connect a microphone to your computer and turn it on.
2. Select the object.
3. Press the object’s menu arrow, and then select **Sound**.
   
   A dialog box appears.
4. Click **Start Recording**.
5. Record the sound using the microphone.

   ! IMPORTANT

   SMART Notebook software stops recording after one minute. Therefore, ensure the sound is no more than one minute long.

6. Click Stop Recording.

7. Type a name for the sound in the Recording name box.

8. Optionally, click Preview Recording to hear the sound before adding it to the object.

9. Select Corner Icon if you want to play the sound file when you press an icon in the object’s lower-left corner.

   OR

   Select Object if you want to play the sound file when you press anywhere on the object.


To remove a sound from an object

1. Select the object.

2. Press the object’s menu arrow, and then select Sound.

   A dialog box appears.

3. Press Remove Sound.

Animating objects
You can animate an object to fly onto a page from the side, spin, fade in, shrink and more. You can set the animation to start when you open a page or when you press the object.

To animate an object

1. Select the object.

2. If the Properties tab isn’t visible, press Properties.

3. Press Object Animation.

4. Select options in the Type, Direction, Speed, Occurs and Repeats drop-down lists.

Locking objects
You can lock an object to prevent its modification, movement or rotation. Alternatively, you can lock an object but limit its movement either vertically or horizontally, or allow more movement and
rotation.

You can remove this lock at any time.

**To lock an object**

1. Select the object.
2. Press the object’s menu arrow, and then select **Lock > Lock in Place**.

   You’re unable to move, rotate or modify the object until you unlock it.

   - **NOTE**

   If you press a locked object, a lock icon  appears instead of a menu arrow.

**To lock an object but allow its movement**

1. Select the object.
2. Press the object’s menu arrow, and then select **Lock > Allow Move**.

   You can move the object but you’re unable to rotate or modify it until you unlock it.

   - **NOTE**

   If you press a locked object, a lock icon  appears instead of a menu arrow.

**To lock an object but allow its movement vertically**

1. Select the object.
2. Press the object’s menu arrow, and then select **Lock > Allow Vertical Move**.

   You can move the object vertically but you’re unable to rotate or modify it until you unlock it.

   - **NOTE**

   If you press a locked object, a lock icon  appears instead of a menu arrow.
CHAPTER 6
CREATING LESSON ACTIVITIES

To lock an object but allow its movement horizontally

1. Select the object.
2. Press the object's menu arrow, and then select **Lock > Allow Horizontal Move**.

You can move the object horizontally but you're unable to rotate or modify it until you unlock it.

---

**NOTE**

If you press a locked object, a lock icon 🗝️ appears instead of a menu arrow.

---

To lock an object but allow its movement and rotation

1. Select the object.
2. Press the object's menu arrow, and then select **Lock > Allow Move and Rotate**.

You can move and rotate the object but you're unable to modify it until you unlock it.

---

**NOTE**

If you press a locked object, a lock icon 🗝️ appears instead of a menu arrow.

---

To unlock an object

1. Select the object.
2. Press the object's lock icon 🗝️, and then select **Unlock**.
Chapter 7

Using SMART lab

Overview ........................................................................................................................................... 118
  Browser, device, operating system and network recommendations ........................................... 118
  Website access requirements ........................................................................................................ 119
Adding game elements and device enabled contributions to SMART lab activities ....................... 119
Creating and adding a Flip Out activity .......................................................................................... 119
Creating and adding a Super Sort activity ....................................................................................... 121
Creating and adding a Match ‘Em Up! activity ............................................................................... 122
Creating and adding a Fill In the Blanks activity .......................................................................... 123
Creating and adding a Label Reveal activity .................................................................................. 125
Creating and adding a Rank Order activity ..................................................................................... 126
Creating and adding a Speedup activity ......................................................................................... 127
Creating and adding a Shout It Out! activity .................................................................................. 129
  Shout It Out! User validation ........................................................................................................ 131
  Web browser, device operating system recommendations and network recommendations 132
  Website access requirements ...................................................................................................... 133
Adding device enabled student text contributions to Shout It Out! activities ................................. 133
Adding student image contributions .............................................................................................. 136
Removing students from an activity .............................................................................................. 139
Adding a game element to your activity ......................................................................................... 140
  Timer ........................................................................................................................................... 141
  Randomizer ................................................................................................................................. 141
  Buzzer ......................................................................................................................................... 142
Using Monster Quiz ....................................................................................................................... 142
Using the Hand out activity ............................................................................................................ 145
  Creating a Hand out activity ......................................................................................................... 145
Using SMART response 2 .............................................................................................................. 146
  Creating assessments with SMART response 2 ......................................................................... 146
  Using a mobile device to access SMART response 2 ................................................................. 149
Overview
Use SMART lab to enhance your lessons by creating and adding interactive activities. These activities help students memorize concepts and facts, identify objects, learn vocabulary definitions, and more.

**NOTES**
- **Account Sign In** is required to create and play some SMART lab activities, and SMART Notebook 18 software allows you to sign in with your Google™ or Microsoft account. If you sign in with one of these accounts, you will not have to sign in each time you want to use SMART response 2, Shout It Out! or Monster Quiz. For more information see Account Sign In.
- Students can be removed from an activity with the SMART lab **Remove Students** feature.

For videos on activity setup and delivery see default.htm.

Browser, device, operating system and network recommendations

**NOTE**
Students may check their website access at [http://classlab.com/connection/check.html](http://classlab.com/connection/check.html).

<table>
<thead>
<tr>
<th>Web browser recommendations</th>
<th>Google Chrome™ 33 or above</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Firefox® 38 or above</td>
</tr>
<tr>
<td></td>
<td>Microsoft Internet Explorer® 11</td>
</tr>
<tr>
<td></td>
<td>Microsoft Edge</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Device operating system recommendations</th>
<th>Windows® 7 or later operating system</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>IOS 8 or later operating system software</td>
</tr>
<tr>
<td></td>
<td>Android™ 4.2 or later operating system</td>
</tr>
<tr>
<td></td>
<td>The current release of the Chrome OS™ operating system</td>
</tr>
</tbody>
</table>

**IMPORTANT**
Mobile device-enabled activities are not currently supported on the first generation iPad or Samsung Galaxy Tab 3.
SMART lab activities on classlab.com are designed to keep network requirements as low as possible while still supporting rich collaboration. The network recommendation for Shout It Out! alone is 0.3 Mbps per device. A school that regularly uses other Web 2.0 tools should have enough network capacity to run SMART lab activities on classlab.com. If SMART lab activities on classlab.com are used in conjunction with other online resources, such as streaming media, greater network capacity could be required, depending on the other resources being used.

### Website access requirements

To ensure that all student-side SMART lab activities works correctly, add the following URLs to your network’s white list.

- https://www.classlab.com
- http://id.smarttech-prod.com
- https://content.smarttech-prod.com
- https://metric.smarttech-prod.com
- https://google.com
- http://google-analytics.com
- https://www.gstatic.com (used by Google to load reCAPTCHA)
- https://*.firebaseio.com
- https://*.cloudfront.com
- https://entitlement.smarttech-prod.com

### Adding game elements and device enabled contributions to SMART lab activities

Teachers and students can add game elements and device enabled contributions to most SMART lab activities. For more information, see To add a game element to an activity and To add device enabled student contributions to an activity.

### Creating and adding a Flip Out activity

Flip Out flashcards teach one to one correspondence, memory and vocabulary. When you create a Flip Out flip card activity, you can use as many cards as you like and choose from different themes, such as Space, Jungle or Monsters.
CHAPTER 7
USING SMART LAB

**TIP**

- Use the Sound button to turn activity sound on or off.
- Use the Activity Restart button to restart the current activity. This button is located at the top right of the open SMART lab activity page.
- Use the Activity Edit button to open the Add Activity dialog box. This button is located at the top right of the open SMART lab activity page.

**To add a Flip Out flip card activity**

1. Open SMART lab by pressing the toolbar icon in the SMART Notebook toolbar. The Select an Activity Creation Wizard opens.
2. Scroll to locate the Flip Out activity and press the activity icon.
3. Enter text or tap the image icon to add an image in both the Facing Up and Facing Down fields.
   Create as many cards as you need. If you create more than 12 cards, the additional cards will be located in the middle of the SMART Notebook desktop, along with the Discard pile. Card placement is random.

**TIP**

To use an image in your Flip card activity, click the image icon in the Add Content dialog box. Select the image from the appropriate Windows Explorer (Windows operating systems) or Finder (OS X operating systems) folder by clicking Open. The image appears in the Card back or Card face list and also on the flip cards.

4. Press Next.
   The Select a Theme dialog box opens.
5. Select a theme, then press Finish.
   SMART lab builds the activity, and it will be ready for use after a few moments.
6. To add a buzzer, timer or randomizer game element to the activity, press 🎉. See Adding a game component to an activity for more information.

Students can also use their devices to contribute to the Super Sort activity. For more information, see To add device enabled student contributions to an activity.

7. Have students flip cards over to reveal what’s on the other side. For example, the back of a card may be named “run,” while the face of the card is named “verb.” After the card has been flipped and the content discussed, you can drag the card to the discard pile.

Creating and adding a Super Sort activity

Super Sort teaches classification and grouping. In a Super Sort activity, students sort items into two categories. An item disappears if a student sorts it correctly, and the item is sent back to be resorted if it’s sorted incorrectly. Add optional game components to make the activity even more engaging.

To ensure the best possible user experience with Super Sort, see Device and network requirements for more information.

To add a Super Sort sorting activity

1. To open SMART lab, press the toolbar icon 📔 in the SMART Notebook toolbar.

   The Select an Activity Creation Wizard opens.

2. Scroll to locate the Super Sort activity and press the activity icon.

   The Super Sort Add Content dialog box opens.

3. In Required Category Name fields, type the name you want to use for each category.

4. Enter text or tap the image icon 📸 to add an image to each category. You may enter up to 10 pairs.

5. In Enter text or add image, type category content, select an image or press the Manage Content icon 📖 to add category content from a previously saved list.

6. Press Next.

   The Select a Theme dialog box opens.

7. Select a Super Sort theme. The selected activity is highlighted with a blue box.

SMART lab builds the activity, and it will be ready for use after a few moments.

9. To add a buzzer, timer or randomizer game element to the activity, press 🌟.

The Game element selector opens.

10. Select a game element if desired. The game element will appear in the activity. See Adding a Game Component to an Activity for more information.

Have students work individually or in teams to sort the content into the correct categories.

Students can also use their devices to contribute to the Super Sort activity. For more information, see To add device enabled student contributions to an activity.

Creating and adding a Match ‘Em Up! activity

Match ‘Em Up! is a matching activity that emphasizes memory and one to one correspondence between items. Add game elements to make the activity even more engaging.

To add a Match ‘Em Up! activity

1. Open SMART lab by pressing the SMART lab toolbar icon 🧭 in the SMART Notebook toolbar.

The Select an Activity Creation Wizard opens.

2. Scroll to locate the Match ‘Em Up activity and press the icon.

The Match ‘Em Up Add Content dialog box opens.

3. In Optional Category Name fields, type the name you want to use for each category pair.

4. Enter text or tap the image icon 📸 to add an image to each category. You may enter up to 10 pairs.

5. In the Check Answers section, select Instantly to indicate immediately whether the answers are correct.

OR

6. Select When Prompted to check answers at a pace you choose. As answers are entered into the activity, a Check Matches button appears in the activity. Press the button when you want to check an answer.

If the answer is correct, a ✅ appears beside it. If the answer is incorrect, a ❌ appears beside it.
7. Press Next.
   The Match ‘Em Up! Select a Theme dialog box opens.

8. Select a theme, then press Finish.
   SMART lab builds the activity, and it will be ready for use after a few moments.

9. To add a buzzer, timer or randomizer game element to the activity, press ⭐️.
   The Game element selector opens.

10. Select a game element if desired. The game element will appear in the activity. See Adding a Game Component to an Activity for more information.

Students can also use their devices to contribute to the Super Sort activity. For more information, see To add device enabled student contributions to an activity.

Have students work individually or in teams to match up the content to the correct categories.

---

**TIP**

To use an image in your activity, click the image file folder icon 🕵️ in either content list. Browse to and select the image, then press Open. The image appears in the content list.

Although you can create as many items as you like, only the first 10 are used in your activity.

Create at least two matches to continue.

---

### Creating and adding a Fill In the Blanks activity

Fill In the Blanks is a fun activity where students drag words or numbers into blanks. Write a sentence with up to ten blank spaces, then let students drag the words around the board to fill in the missing information that belongs in those blanks.

**To add a Fill In the Blanks activity**

1. Open SMART lab by pressing the SMART lab toolbar icon 🕵️ in the SMART Notebook toolbar.
   
   The Select an Activity Creation Wizard opens.

2. Scroll to locate the Fill In the Blanks activity and press the activity icon.
   
   The Fill in the Blanks Add Content window opens.
3. In the Edit text area, enter the desired text. You can use up to 300 characters for your content. The character counter indicates how many characters you have left. You will define the blanks in the next step.

4. In the Check Answers section, select Instantly to indicate immediately whether the answers are correct.

   OR

   Select When Prompted to check answers at a pace you choose. As answers are entered into the activity, a Check Matches button appears in the activity. Press the button when you want to check an answer.

   OR

   Select Don't check. Answers will not be checked.

5. Press Define Blanks.

   The Define Blanks dialog box opens with your text.

6. Define the blanks by clicking a word. Use the sizing handles to make a blank bigger or smaller.

   To remove a blank, click it again.

7. Press Next.

   The Fill in the Blanks Select a Theme dialog box opens.

8. Select a theme and press Finish.

   SMART lab builds the activity, and it will be ready for use after a few moments. The sentence and word blanks appear.

9. To add a buzzer, timer or randomizer game element to the activity, press ✨.

   The Game element selector opens.

10. Select a game element if desired. The game element will appear in the activity. See Adding a Game Component to an Activity for more information.

    Have students work individually or in teams to drag the correct words or numbers into the appropriate blanks.

    Students can also use their devices to contribute to the Super Sort activity. For more information, see To add device enabled student contributions to an activity.

11. Press the Check answers button that appears when the activity is complete.

    If an answer is correct, a ✅ appears beside it. If an answer is incorrect, a ❌ appears beside it.
Creating and adding a Label Reveal activity

The Label Reveal activity is a great way for students to develop a deeper understanding of systems and their components. Label Reveal emphasizes memory and deduction.

To add a label reveal activity

1. Open SMART lab by pressing the SMART lab icon in the SMART Notebook toolbar.
   The Select an Activity Creation Wizard opens.
2. Scroll to the Label Reveal activity and press the activity icon.
   The Label Reveal Add Content dialog box opens.
3. Drag an image from your desktop into the square box in the activity dialog box.
   OR
   Press the icon to browse to and select an image saved on your computer.
   The image appears in the Label Reveal Add Content dialog box.
4. Click within the image to add labels.
   The Label window and Label edit tool open.
5. Move the label to the part of the image you wish to label.
   Press Change Style to change the type and color of the label arrows.
6. Enter a brief description on the label. Press the down arrow below the label to enter an extended note of up to 150 characters.
   Press Done to close the Note window.
7. Add as many labels as required, and then press Finish.
   SMART lab builds the activity, and it will be ready for use after a few moments. Each label appears as a question mark icon until it is clicked. The label name will then be revealed.

For more information see Setting up the SMART lab activity.
8. To add a buzzer, timer or randomizer game element to the activity, press 🌟.
   The Game element selector opens.

9. Select a game element. The game element appears in the activity. See Adding a Game Component to an Activity for more information.
   Students can also use their devices to contribute to the Super Sort activity. For more information, see To add device enabled student contributions to an activity.

10. Ask students to identify and reveal component labels as they are discussed.

Creating and adding a Rank Order activity

In the Rank Order activity, students arrange items in ranked order and learn about comparison, deduction, sequencing and arrangement. Try arranging whole numbers from smallest to largest, steps in a scientific procedure or other items in order of preference.

To add a Rank Order activity

1. Open SMART lab by pressing the SMART lab icon 🏷️ in the SMART Notebook toolbar.
   The Select an Activity Creation Wizard opens.

2. Scroll to the Rank Order activity and press the activity icon.
   The Rank Order Add Content dialog box opens.

3. Enter text or tap the image icon 📸 to add an image. You can add up to ten items.

4. Press 🔻 to reverse the order of the text items.

5. In the Check Answers section, select Instantly to indicate immediately whether the answers are correct.
   OR
   Select When Prompted to check answers at a pace you choose. As you add answers to the activity, a Check Matches button appears in the activity. Press the button when you want to check an answer.
   OR
   Select Don’t check. Answers will not be checked.

6. In the Ranking Labels section, enter the terms you would like to use to indicate the order, such as First and Last.
7. Press **Next**.
   The Rank Order **Select a Theme** dialog box opens.

8. Select a theme and press **Finish**.
   SMART lab builds the activity, and it will be ready for use after a few moments.

9. To add a buzzer, timer or randomizer game element to the activity, press 🟦.
   The Game element selector opens.

10. Select a game element if desired. The game element will appear in the activity. See [Adding a Game Component to an Activity](#) for more information.
    Students can also use their devices to contribute to the Super Sort activity. For more information, see [To add device enabled student contributions to an activity](#).
    Although you can create as many items as you like, only the first 10 appear in the activity.

    **TIP**
    To use an image in your activity, return to the Rank Order **Add Content** dialog box and click the file folder icon in the content list. Browse to and select the image, then press **Open**. The image appears in the content list. Create at least two items to continue.

11. Have students drag and drop the items in the correct order from top to bottom. When the items are sorted correctly, they gently move to indicate completion.

    **TIPS**
    - A green check mark ✅ or a red X ❌ will appear beside each ordering answer to indicate correct or incorrect. The order may be changed until all answers are correct.
    - If you selected **Check answers right away**, answers are checked as they are given. Correct answers are accepted, and incorrect answers are rejected.
    - If you selected **Check answers after students have finished**, the answers are checked after students answer all the questions, giving you time for discussion.

---

**Creating and adding a Speedup activity**

Speedup is a racing quiz with multiple choice and true or false questions. Students will love to compete to see who answers questions the fastest using the Speedup activity. Speedup encourages competition and quick thinking.
To add a Speedup activity

1. Open SMART lab by pressing the toolbar icon in the SMART Notebook toolbar.
   The Select an Activity Creation Wizard opens.

2. Scroll to locate the Speedup activity and press the Speedup activity icon.
   The Add Content dialog box opens.

3. Select between Multiple Choice and True or False as the type of quiz you would like to build.

   Multiple Choice format

4. For Multiple Choice format, enter a question. You may use up to 150 characters for your question.

5. Enter at least two answers to the question you entered in step 4, and press the button beside the correct answer. A ✓ indicates the answer.

6. Press Add Question to continue adding questions and answers.

7. After you have finished adding questions and answers, press Next.
   The Review Content dialog box opens. You may edit your questions and answers and set a time limit to answer each question.
   Click the questions or answers to edit them.
   If you would like to assign a time limit for the question to be answered, toggle the Time limit button and set the number of seconds allowed for answering each question.

   SMART lab builds the activity, and it will be ready for use after a few moments.

   True or False format

9. For True or False format, enter a question. You may use up to 150 characters for your question.

10. Press the button beside True or False to indicate the correct answer to the question. A ✓ indicates the answer.

11. Press Add Question to continue adding questions and answers.
12. After you have finished adding questions and answers, press **Next**.

   The **Review Content** dialog box opens. You may edit your questions and answers and set a time limit to answer each question.

   Click the questions or answers to edit them.

   If you would like to assign a time limit for the question to be answered, toggle the **Time limit** button and set the number of seconds allowed for answering each question.

13. Press **Finish**.

   SMART lab builds the activity, and it will be ready for use after a few moments.

---

**NOTE**

Game components cannot be added to the Speedup activity.

---

### To play a Speedup activity

1. When the activity opens, press **Start**

2. Select the number of racers from one to four. A maximum of four racers can race, but additional students can participate.

3. Select a racer avatar and press the check mark to lock in your choice. You have 15 seconds to select a racer avatar. If no avatars are chosen, avatars will automatically be selected and the race will begin.

4. When the race starts, rapidly press the **Racer control arrow** for a Turbo boost to increase speed.

5. At various points around the race track, the questions will be asked. Racers select the letter that corresponds to the correct answer on their racer controls.

6. When the race is complete, the winner’s racer avatar is displayed in the results window, and time results will be shown in seconds for each racer avatar. Press **Review answers** to see all answers. Press **Show Players** to see each racer’s avatar.

---

### Creating and adding a Shout It Out! activity

Students use the Shout It Out! to quickly create and contribute text and images to SMART lab content-creation activities using their own device web browsers, and teachers can easily curate the content. Use it as a brainstorming activity for generating ideas.
To ensure the best possible user experience with Shout It Out!, see Device and network requirements for more information.

**IMPORTANT**

If you are using a trial version of SMART Notebook software, you might receive a reCaptcha notification. Validate the trial version to use Shout It Out!. For more information, see Shout It Out! user validation for more information.

**To add a Shout It Out! activity**

1. Open SMART lab by pressing the SMART lab toolbar icon ![SMART lab logo](smarttech.com/kb/171309) in the SMART Notebook toolbar.
   
   The Select an Activity Creation Wizard opens.

2. Scroll to locate the Shout It Out! activity and press the activity icon.
   
   The Shout It Out! Add Content page opens. Select the contribution format you would like to use. You can choose from either Randomized or Categories placements.

   If you selected Categories placements, at least two categories are required for the activity. Give names to the categories that will contain student contributed content.

3. In the Contributions section, select either Text or Images as the type of contribution students will make; then enter the maximum number of contributions allowed per device.

4. In the Student Names section, select whether you would like to Show or Hide student names.

5. Click Finish.

   SMART lab builds the activity, and it will be ready for use after a few moments. To start the activity and allow your students to make contributions, see Adding Student Text Contributions and Adding Student Image Contributions.

6. To add a buzzer, timer or randomizer game element to the activity, press 🔄.

   The Game element selector opens.

7. Select a game element if desired. The game element will appear in the activity. See Adding a Game Component to an Activity for more information.

**To start a Shout It Out! Activity using student devices**

1. After you have created a Shout It Out! activity, confirm that the Contributions and Student Names settings are correct.
2. Press Finish.

The SMART lab Student Contribution Activity dialog box appears. It includes the classlab.com URL that students will enter into their device browsers, and the generated activity ID number students will enter on the classlab.com website.

The activity icon turns blue to indicate that an activity is currently in progress.

For more information, see To add device enabled student contributions to an activity.

3. Direct students to classlab.com and have them enter the activity ID number and their names. Students are connected to the activity.

Student contributions will appear in the SMART Notebook SMART lab page.

**NOTE**

To delete a contribution, drag it to the Recycle bin at the top left of the SMART lab activity page. After a contribution is deleted, it cannot be retrieved.

**Shout It Out! User validation**

If you are using a trial version of SMART Notebook collaborative learning software, you might receive a reCaptcha notification when you open Shout It Out! in SMART lab for the first time.

If you receive this notification, you must first validate the trial version before Shout It Out! features will work. After you have registered as a trial user, you will no longer receive reCaptcha notifications.
To validate as a trial user

1. If you receive a reCaptcha notification in the SMART lab Student Contribution Activity dialog box, select the I'm not a robot check box.

   An image questionnaire appears.

   ![Image of the SMART lab Student Contribution Activity dialog box]

2. Complete the questionnaire and press Verify.

   If you answer the questionnaire correctly, a green check mark will appear in the I'm not a robot check box.

3. Press Start Activity to begin adding the Shout It Out! activity.

Web browser, device operating system recommendations and network recommendations

**NOTE**

When using SMART lab activities on classlab.com, students may check their website access at http://classlab.com/connection/check.html.

<table>
<thead>
<tr>
<th>Web browser recommendations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Google Chrome 33 or above</td>
<td></td>
</tr>
<tr>
<td>Firefox 38 or above</td>
<td></td>
</tr>
<tr>
<td>Internet Explorer11</td>
<td></td>
</tr>
<tr>
<td>Edge</td>
<td></td>
</tr>
</tbody>
</table>
**Device operating system recommendations**
- Windows 7 operating system or above
- iOS 8 operating system or above
- Android 4.4.2 operating system or above

**Network recommendations**
SMART lab activities on classlab.com are designed to keep network requirements as low as possible while still supporting rich collaboration. The network recommendation for Shout It Out! alone is 0.3 Mbps per device. A school that regularly uses other Web 2.0 tools should have enough network capacity to run SMART lab activities on classlab.com. If SMART lab activities on classlab.com are used in conjunction with other online resources, such as streaming media, greater network capacity could be required, depending on the other resources being used.

**Website access requirements**
To ensure that Shout It Out! works correctly, add the following URLs to your network's white list.

- https://www.classlab.com
- http://id.smarttech.com
- https://content.smarttech-prod.com
- https://metric.smarttech-prod.com
- https://google.com
- http://google-analytics.com
- https://www.gstatic.com (used by Google to load reCAPTCHA)
- https://*.firebaseio.com
- https://*.cloudfront.com

**Adding device enabled student text contributions to Shout It Out! activities**
Students will enjoy adding their contributions to your SMART lab activities. Students can add text or images, depending on activity requirements. Have other students position comments into categories or use the contributions to begin discussions.

After a student has signed in to the activity using the **SMART lab Student Contribution Activity** dialog box on their computer or mobile device browser, the **Activity response** window opens.
1. Students enter their contribution in the text window. A student may enter up to 150 characters into the window including spaces, and can contribute the number of times specified by the teacher.

If you previously selected Categorized placements, the text window includes a category menu.

After making their contributions, students select the category to which they wish to contribute from the Select a category drop-down menu.
2. Students press **Send Response** to send their contributions to the SMART Notebook SMART lab activity page.

The student contribution appears on the SMART Notebook SMART lab activity page. See *Adding Student Text Contributions* and *Adding Student Image Contributions* for more information.

In *Categorized* view, click the \(\times\) to minimize the activity ID window to view contributions that appear in the window on the right of the activity page. Click \(\square\) to reopen the window.

💡 **TIP**

You can move a student contribution from one category to another by pressing the student contribution and dragging it to the other category.
Adding student image contributions

1. After a student has signed in to the activity using the SMART lab Student Contribution Activity dialog box, the Activity response window opens.

2. The student presses Select an image.

   The device file explorer opens.
3. The student selects the image and presses **Open**.

As with the text contribution, the image contribution appears on the SMART Notebook SMART lab page.

To enlarge the image contribution, the teacher can press the image on the SMART Notebook page, and the image will enlarge.

To return the image to its normal size, press outside the enlarged image, or press the X in the top right corner of the enlarged image.

---

**IMPORTANT**

A student may contribute 50 images per activity. If the student exceeds this amount, a warning appears, and additional image contributions by that student do not appear for the current activity.

---

**NOTE**

To delete a contribution, drag it to the Recycle bin at the top left of the SMART lab activity page. After a contribution is deleted, it cannot be retrieved.

---

4. To leave the activity, students can press the application exit symbol on their device browsers 📣.

---

To add device enabled student contributions to the activity

1. To add a student device enabled activity using classlab.com, press 📏 or 🖱.

The device enabled activity dialog box opens.
2. Press **Start for Students**

   The Activity running dialog box opens.

   ![Activity running dialog box](image1)

3. Have students go to classlab.com on their devices.

   The classlab.com activity dialog box opens.

   ![classlab.com activity dialog box](image2)
4. Students enter the activity code and press **Enter**.

Students will be prompted to enter their names and press **Join the Activity**.

The activity dialog box opens.

![Activity Dialog Box]

Students make their selections and press **Send response** when complete.

For more information on using classlab.com, see Adding student text contributions and Adding student image contributions.

### Removing students from an activity

You can remove students from a Shout It Out! activity and end the activity.
1. At the bottom of the activity panel, press **Remove Students**.

   ![Remove Students dialog](image)

   The *Remove Students* confirmation dialog box will appear.

2. Press **Remove Students**. The activity will end and all students will be removed from the activity and the **Remove Student** button will be disabled.

   ![Remove students dialog](image)

Adding a game element to your activity

You can make your SMART lab activity more interesting and engaging for your students by adding game elements. Three game elements are available.
To add a game element to an activity

1. To add a buzzer, timer or randomizer game element to the activity, press 🆕. The Game element selector opens.

2. Select a game element. The game element appears in the activity, along with a Settings button.
3. Press the Settings button to change available features of the game element.

Timer

Use the timer to track how long it takes students to complete an activity. In the Timer dialog box you can choose from 15 second, 30 second, or one minute count down from or count up to times, or you can set a custom time in minutes and seconds.

Randomizer

Use the Randomizer to randomly select the students or the activity’s content. You can randomize flip card backs, numbers, or student lists. In the Randomizer dialog box, you can randomize Flip card backs or numbers from 1 to 30. You can also randomize selected student names by adding them to the Student List box or by adding student names from a student list you have already saved. Each item can only be chosen once.
Buzzer

Students can compete to see who gets to go next. You can select and use up to four buzzers from the Buzzer dialog box using the game element’s Settings.

Using Monster Quiz

Monster Quiz is a mobile device-enabled progression quiz with multiple choice and true and false questions. Students learn through teamwork and competition. Using their mobile enabled devices, students help their team grow lovable monster characters by correctly answering questions you have prepared.

For more videos on activity setup and delivery see default.htm.

To use Monster Quiz

1. Open SMART lab by pressing the toolbar icon in the SMART Notebook toolbar.

   The Select an Activity Creation Wizard opens.
2. Scroll to Monster Quiz and press the activity icon. The Monster Quiz Add Content dialog box opens.

3. Select Multiple Choice or True or False as the type of quiz to build.

4. For Multiple Choice format, enter a question. You may use up to 150 characters for your question.

5. Enter at least two answers to the question you entered in step 4, and press the button beside the correct answer. A ✓ indicates the correct answer.

6. Press Add Question to begin adding questions and answers to the activity. You can also add questions from a previously saved list or save new questions to a list. For more information about adding content, see Using Monster Quiz on the previous page. Only the first ten questions are added to the activity.


8. Select the Time Limit Per Question toggle to assign the number of seconds allowed for answering each question.

9. Press Finish. SMART lab builds the activity, and it will be ready for use after a few moments. The Add game components dialog box opens along with a reminder dialog that gaming components are not available for the Monster Quiz activity.
10. Press the red activity icon.

11. The classlab.com Student Contribution Activity dialog appears. It includes the URL that students will enter into their browsers and the generated activity ID number students will enter on the SMART Notebook lesson activity builder website. Direct students to visit classlab.com on their mobile device browsers. The activity icon turns blue to indicate that an activity is currently in progress.

12. Students enter the Activity code ID and their name in the dialog box that appears on their mobile devices.

13. Have students press Join the activity on their devices.

14. Press Start the Activity on the Monster Quiz activity window.

Students receive a confirmation that they are now in the game.

15. The teacher presses Set teams and enters the number of participating teams.

SMART lab assigns participants to the teams and builds the activity, and it will be ready for use after a few moments. To start the activity and allow your students to make contributions, see Using Monster Quiz on page 142.

16. Press Start Quiz.

The quiz begins.

Students answer the quiz on their mobile devices. As correct answers are given, the monsters hatch, and the game concludes when all monsters have hatched.

17. Press Review to review students’ answers. You can review the team scoreboards and class reviews.
Using the Hand out activity

As a teacher, you can create a Hand out activity with almost any SMART lab activity. Use the Hand out activity to send a SMART activity to students so that they can participate in the lesson on their mobile devices in real time.

Creating a Hand out activity

To create a Hand out activity

1. Select from any SMART lab activity including Super Sort, Rank Order, Flip Out, Fill in the Blanks, Match ‘Em Up and Label Reveal activities.

2. Set up your activity as you would normally, but when your set up is complete, you will now see the activity icon.

3. Press the activity icon to begin the activity. The icon turns blue to indicate that an activity is currently in progress.

   The Ready to start activity dialog box opens, indicating the classlab.com activity ID.

4. Direct students to classlab.com using their mobile device browsers.

5. Press Start for Students. Students will see the classlab.com website.

6. Direct students to enter the Activity ID and their names and then tap Join the activity on their individual devices.

7. The Hand out activity appears on students’ mobile devices. When all students have completed the activity, press End on the Ready to start activity dialog box. Students receive a notification on their devices that the activity has ended.
Using SMART response 2

Creating assessments with SMART response 2
Available within SMART Notebook software, response 2 is a highly intuitive and simplified assessments tool, making it easier, quicker and more natural to create actionable question sets. Focusing on formative assessments, the new tool supports the need for educators to effectively assess students in order to guide learning. Students access the assessments tool by navigating to classlab.com on their mobile devices.

NOTE
To begin using the response 2 assessments tool, open it from Notebook by pressing the response 2 icon. The response 2 setup dialog box opens. You can then begin to create and save question sets. Each question requires at least two answers. Keep questions under 150 characters for optimal performance.

IMPORTANT
1. Previous versions of SMART Response files will be converted so that they open in SMART response 2. A dialog box appears when you attempt to open a file from a previous version of SMART Response:

   ![Dialog Box]

   This file will be converted to work with SMART response 2.
   During conversion, each set of consecutive questions will be grouped into a new activity. All other Notebook pages will remain the same. Learn more

   [ ] Don't group consecutive questions

   Convert

2. Press Convert to convert the old SMART Response questions. Each set of consecutive questions will be grouped into a new SMART response 2 activity.

3. If you don't want to group consecutive questions, select the Don't group consecutive questions check box.
   If you select the Don't group consecutive questions check box, each SMART Response page in the file will get a new single-question response 2 activity inserted on a new page in front of it. You will see two pages for every SMART Response page in the original SMART Response file.
4. Press Convert to confirm the file conversion.

5. The converted Notebook file opens.
   A banner appears indicating that the file has been converted. Select Learn More on the
   banner for additional information.

The conversion process does not capture certain pieces of information from SMART Response:
pictures, annotations and cross references are not preserved;

- Untranslated Yes/No and True/False labels will show as text questions A) True and B) False. If
  the file has been translated, the options will still be Yes/No and True/False.
- Superscript and subscript will be formatted but no other text formatting will be converted
- Number character references will not be maintained
- Math question types will not be supported
- Empty question titles will show the following default text: Incomplete question. Edit activity
to complete

To create a SMART response 2 question set

1. Open response 2 from Notebook by pressing the response 2 icon.
   The response 2 Add Content dialog box opens.

2. From the Add Content dialog box, select the type of quiz you want to create. You can create
   multiple choice, true or false, multiple answer, poll/opinion or short answer questions.
   The quiz question set you choose determines the answer format. For example, a multiple
   choice quiz will give four potential answers from A through D, while a true or false quiz will
   give only True and False answers for you to complete.

3. Select the correct answer for each question.

4. To add another question to your quiz, press Add Question.

5. Press Save to save the quiz. You can use it later for other lessons.

   OR
   Press Previous to go back to the previous page and edit your questions or add more
   questions.
7. Press **Finish**.
   After a few moments the activity will load and will be ready to use.

   **To create a SMART response 2 question set from a previously saved file**

   1. From the Notebook menu, press **Add Page**. A new Notebook page opens.

   2. Open response 2 from Notebook by pressing the response 2 icon ✓. The response 2 **Add Content** dialog box opens.

   You can also select response 2 from the SMART lab Creation Wizard.

   3. Tap **Load** to load a previously saved file.

   The **Load Content** selection dialog box opens.

   4. Select the file to load, then press **Load**.

   The question set loads and appears in the **Review Content** dialog box. While in the **Review Content** dialog box, you can also delete questions from your quiz.

   To delete a question, press 

   5. Select **Finish**.

   After a few moments the activity will load and will be ready to use.

   **To add questions to a question set**

   1. In the response 2 **Add Content** dialog box, press **Add Question**. The **Questions** dialog box opens.

   2. Add questions as required.

   Press **Save** to save your question set. You can then use it later.

   3. Press **Next**.

   The question set loads and appears in the **Review Content** dialog box.

   OR

   Press **Previous** to go back to the previous page and edit your questions.

   4. Press **Finish**.

   After a few moments the activity will load and will be ready to use.
To add images to a SMART response 2 question set

1. Press the **Add Image** icon 📁.
   
   An *Open* dialog box appears.
2. Select the image to add to the list and press **Open**.
   
   The image appears in the *Add Content* dialog box. You can also drag an image into the dotted blue box.
3. After all answers have been entered, press **Add Question** to add another question to the set.
4. Press **Done**. The *Add Content* dialog box opens. Edit, remove or add questions as needed. *See Chapter 7: Using SMART lab* on page 117 for more information about managing content.
5. Press **Finish**. After a few moments the question set will be built and will be ready to use.
   
   Students will see the activity and activity identification number on the SMART Board.
6. Press **Start for Students**. Students can now use their mobile devices to access the response 2 activity.

Using a mobile device to access SMART response 2

Once the activity is running, it can be accessed on a mobile device if the device meets the necessary browser and connectivity requirements.

The student uses the browser on the mobile device to browse to classlab.com.

1. When in the classlab.com website, the student enters the activity identification number.
   
   The *Activity instructions* dialog box opens.
2. Press **OK**. The first quiz question opens.
3. Select the answer to the quiz question and then press the arrow key to advance to the next question.
4. When all questions have been answered press the arrow key once more to advance to the submit questions page. On this page you can get information about the quiz or sign out of the quiz.

5. Press **Submit All Answers**.

6. A confirmation page opens.

7. Press **Submit**. The teacher will review results with class.

**To review results on the device**

1. When the teacher presses review, the student gets instant feedback on the device for each question. Tapping a question on the final review pages takes the user to that question to see what selections are available.

   The percentage correct is indicated at the bottom of the device screen.
2. When the review is complete, press **Sign Out**. A prompt asking the user to confirm leaving the activity opens.

3. Press **Leave Activity**. The activity closes and the student is returned to the initial *classlab.com* website.
After creating lesson activities in SMART Notebook software, you can present the lesson activities to students using your interactive product and the presentation features of the software.

In addition to presenting lesson activities to students, you can facilitate collaboration in your classroom using SMART Notebook software and your interactive product. Specifically, you can enable two people to use your SMART Board D600 series or 800 series interactive whiteboard at the same time.
Preparing to present
When you have completed your .notebook files and are ready to present them to students, save the files on a CD, DVD or USB drive. This enables you to access and display the files by inserting the CD, DVD or USB drive into the computer connected to the interactive product. Alternatively, make the files accessible on your local area network, and then browse to them on the interactive product.

Next, prepare for presenting by doing the following:

- Set the page display
- Display any links in the file
- If you have multiple interactive products in your classroom, move windows to the appropriate screens
- If you’re presenting video or sound files, adjust the volume

Setting the page display
SMART Notebook software includes the following views:

- Full Screen view expands the page area to fill the interactive screen by hiding the title bar, toolbar, taskbar and sidebar.
- Transparent Background view enables you to see the desktop and windows behind the SMART Notebook software window and continue to interact with the open, transparent page.
- Dual Page view displays two pages side-by-side.

Zooming in and out
You can zoom in and out using the View Screens button or multitouch gestures (if your interactive product supports multitouch gestures).

To zoom in and out using the view menu

1. Press View Screens.
2. Select a magnification level between 50% and 300%.
   OR
   Select Entire Page to make the entire page fit your display.
   OR
   Select Page Width to set the page’s width to the same width as your display.
CHAPTER 8  
PRESENTING LESSON ACTIVITIES

To zoom in and out using the view menu

Drag your fingers in opposite directions to zoom in.

OR

Drag your fingers toward each other to zoom out.

A message appears, displaying the current zoom level.

Panning a page

If your interactive product supports the pan gesture, you can pan a page when zoomed in.

To pan a page

1. Using two fingers on the same hand, press and hold the screen.
2. Keeping your fingers on the screen, move up, down, left or right.
3. When you reach the area you want to view, release your fingers.

Displaying links
You can attach a copy of a file, a shortcut to a file, a link to a web page or a sound file to any object on a page (see Using advanced object features on page 107). You can display an animated indicator around each object that has a link.

To display links when a page opens
Select View > Show All Links When Page Opens.

Each time you open a page, an animated indicator appears around each object that has a link. Depending on how you define the links, each indicator surrounds either the entire object or an icon in the object’s lower-left corner. The indicators disappear automatically after several seconds.

NOTE
Clear the selection of View > Show All Links When Page Opens to stop displaying links when you open a page.

To display links on the current page
Select View > Show All Links.

An animated indicator appears around each object that has a link. Depending on how you define the links, each indicator surrounds either the entire object or an icon in the object’s lower-left corner. The indicators disappear automatically after several seconds.

Moving windows between screens
You can operate multiple interactive products from the same computer. You can split the computer display over two or more screens, or you can display some programs on one screen and other programs on another. For more information, see Connecting multiple interactive whiteboards to one computer (smarttech.com/kb/000315).
If you connect multiple interactive products to one computer, you can move windows from one screen to another.

To move a window from one screen to another

1. If you haven't done so already, display the window.

   NOTE
   You can move a window only if it's neither maximized nor minimized.

2. Press and hold the window on the first screen with your finger.
3. Press the second screen with a finger on your other hand.
4. Lift your finger from the first screen.

   The window disappears from the first screen and appears on the second screen.

Using presentation tools
While presenting lesson activities to students, you can use the following tools:

- Screen Shade
- Cell shades
- Magic Pen
- Text Pen (to write editable ink)
- Standard pen type (to create fading objects)
- SMART Blocks
- Concept Mapping
- Measurement tools
  - Ruler
  - Protractor
  - Geodreieck protractor
  - Compass

Using the Screen Shade
If you want to cover information and reveal it slowly during a presentation, you can add a Screen Shade to a page. You can also change the color of your screen shade to enhance your
CHAPTER 8
PRESENTING LESSON ACTIVITIES

presentation.

If you add a Screen Shade to a page and save the file, the Screen Shade appears over the page the next time you open the file.

To add a Screen Shade to a page

1. Press Show/Hide Screen Shade.

   A Screen Shade appears over the entire page.

2. Press the screen shade to automatically change it to a different color.

To reveal part of the page

Drag one of the Screen Shade’s resize handles (the small circles at the edges of the Screen Shade).

To remove the Screen Shade from a page

Press Show/Hide Screen Shade.

OR

Press Close in the upper-right corner of the Screen Shade.

Using cell shades

You can add a cell shade to a table cell. This enables you to reveal the information in the cells during a presentation.

NOTES

- You must remove the cell shade if you want to change the cell’s properties; insert columns or rows; remove columns, rows or cells; or split or merge cells.
- You can also add a screen shade to cover an entire page (see Using the Screen Shade on the previous page).

To add a cell shade

1. Select the cell.

2. Press the cell’s menu arrow, and then select Add Cell Shade.
CHAPTER 8
PRESENTING LESSON ACTIVITIES

To show and hide the contents of a cell
1. Press the cell shade.
   The cell shade disappears, showing the contents of the cell.
2. Press in the top-left corner of the cell.
   The cell shade appears, hiding the contents of the cell.

To remove a cell shade
1. Select the cell.
2. Press the cell's menu arrow, and then select Remove Cell Shade.

Using the Magic Pen
The Magic Pen enables you to do the following:

- Create an object that slowly fades. Select the Magic pen from the Tools panel and write or draw with it. The digital ink disappears after about 10 seconds. See Writing, drawing and erasing digital ink for more information.
- Open a magnification window. Learn more at Using the Magnifier tool.
- Open a spotlight window. Learn more at Using the Spotlight Tool.

Using the Text Pen
The Text Pen enables you to do the following:

- Write notes that automatically convert into editable text
- Edit the text as you work without touching a keyboard

See Using the Text Pen Using the Text Pen for complete information.

Using SMART Blocks
SMART Blocks is an add-on that enables you to perform math activities with your class by writing numbers on the page, and then connecting them to a SMART Block. You can choose from seven different equation types to work with. You can learn how to use SMART Blocks through the pop-up guide.
### IMPORTANT

SMART Blocks will perform the computation inside the blocks. Do not ink inside the blocks. See the examples below.

The following SMART Block activities are available:

<table>
<thead>
<tr>
<th>SMART Block</th>
<th>Function Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>Addition blocks accept up to two inputs. The output is the sum of the inputs.</td>
<td><img src="image" alt="Addition Example" /></td>
</tr>
<tr>
<td>-</td>
<td>Subtraction blocks accept up to two inputs. The output is the difference of the inputs.</td>
<td><img src="image" alt="Subtraction Example" /></td>
</tr>
<tr>
<td>×</td>
<td>Multiplication blocks accept up to two inputs. The output is the product of the inputs.</td>
<td><img src="image" alt="Multiplication Example" /></td>
</tr>
<tr>
<td>÷</td>
<td>Division blocks accept up to two inputs. The output is the quotient of the inputs.</td>
<td><img src="image" alt="Division Example" /></td>
</tr>
<tr>
<td>^</td>
<td>Power blocks accept up to two inputs. The output is the first input to the power of the second input.</td>
<td><img src="image" alt="Power Example" /></td>
</tr>
<tr>
<td>√</td>
<td>Square root blocks accept one input. The output is the square root of the input.</td>
<td><img src="image" alt="Square Root Example" /></td>
</tr>
<tr>
<td>?</td>
<td>Unknown blocks accept two inputs. The output is a random operation applied to the inputs.</td>
<td><img src="image" alt="Unknown Example" /></td>
</tr>
</tbody>
</table>
To access SMART Blocks
Press Add-ons, and then select SMART Blocks.

To access the SMART Blocks pop-up guide
1. Press Add-ons, and then select SMART Blocks.
2. Press Learn More.

Using measurement tools
Using the SMART Notebook software measurement tools, you can insert a ruler, protractor, Geodreieck protractor or compass into a page.

Using Concept Mapping
Use Concept Mapping to quickly create concept maps that encourage dynamic participation from students. You can use ink gestures along with traditional interactions to build concept maps.

To begin using Concept Mapping, open it from the toolbar. A root node appears automatically. You then use additional nodes to create the concept map.

To create a root node
1. Press Start a new concept map in the Add-ons menu. A root node opens.

   Double click to edit, or circle ink, images or text to create nodes.

2. Double press within the root node to edit the text. Press Properties or Text to open the Text menu, where you can select text size, font and color.

To create additional nodes
1. Press the + button in the root node. A new node appears with a line connecting it to the root node.
2. Double press within the node to edit the text.

To use an image as a node

1. Open Concept Mapping and drag or paste an image, Ink or text to the Notebook page.
2. Use a Notebook pen to draw a circle around the image.
3. The image appears within a new node. Move the node to wherever you like on the Notebook page.
4. Now use the pen to draw a regular ink line from the new node to another node. The line turns into a segment and joins the two nodes.

TIPS
- Use the **Undo** and **Redo** buttons to undo or redo your Concept Mapping work.
- If you delete a root node, all other nodes are also deleted.
- You can re-size the node by pressing the re-size handle and moving it to make the node larger or smaller.

Setting measurement tool preferences
By default, the ruler, protractor and Geodreieck protractor in SMART Notebook software are blue and display best with light-colored backgrounds.
You can change these measurement tools’ color to yellow if you want to use them with dark-colored backgrounds.

- **NOTE**

Completing the following procedure affects the appearance of measurement tools in .notebook files when viewed on your copy of SMART Notebook software only. If you open the same .notebook files on another copy of SMART Notebook software, the measurement tools could display in a different color.

**To change the measurement tools’ color (Windows operating systems)**

1. Select *Edit > Preferences*.
   
The *SMART Notebook Preferences* dialog box appears.

**To change the measurement tools’ color (OS X operating systems)**

1. Select *Notebook > Preferences*.
   
   A dialog box appears.

2. Press *Defaults*.

3. Select *Blue tint (recommended for light backgrounds)* in the *Measurement tool color* drop-down list to set the measurement tools’ color to blue.

   OR

   Select *Yellow tint (recommended for dark backgrounds)* in the *Measurement tool color* drop-down list to set the measurement tools’ color to yellow.

4. Press *OK*.
Using the Text Pen

You can apply mark-ups and make revisions to editable text using the Text Pen. You can delete unwanted text by drawing a strike-through line through the text. You can use different color ink to highlight different parts of your text. You can also apply other mark-ups to insert spaces, to insert text and to replace text with new text.

The Text Pen enables you to do the following:

- Write notes that automatically convert into editable text
- Edit the text as you work without touching a keyboard

Writing editable text

You can write notes that automatically convert to editable text using the Text Pen.

To write editable text

1. Press **Pens**. The Pens tool buttons appear.

2. Press **Pen Types** then select **Text Pen**.
3. Select a line type.
4. Write digital ink notes on the page.

   Your handwriting converts to typed text. **Accept** and **Reject** icons appear beside the typed text.
5. Press ✓ to accept the typed text
   OR
   Press ✗ to restore your handwritten notes.

Editing with the Text pen
Examples of available mark-ups are defined in the following table:

<table>
<thead>
<tr>
<th>Edit</th>
<th>Instruction</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delete text</td>
<td>Draw a strike-through line through the text.</td>
<td>SMART SMART Notebook</td>
</tr>
<tr>
<td>Insert space</td>
<td>Draw a vertical line in the text.</td>
<td>SMART Notebook</td>
</tr>
<tr>
<td>Insert text</td>
<td>1. Draw a caret ^ symbol where you want to insert text.</td>
<td><img src="Sample_text.png" alt="Insert text example" /></td>
</tr>
<tr>
<td></td>
<td>2. Write the new text in the text box that appears.</td>
<td><img src="Sample_new_text.png" alt="Insert text example" /></td>
</tr>
</tbody>
</table>

**TIP**

Press a line type or press Color to select a new color for the inserted text.

Words that most resemble what you’ve written display underneath your handwriting.

3. Select a word to insert it as typed text. You can also press ✓ to automatically select the word that appears as bold text.
   OR
   Press ✗ to cancel insert text.
### Clearing and resetting pages

After presenting a lesson activity to students, you can clear or reset the pages in your .notebook files to use the files again for future lesson activities.

#### Clearing pages

You can erase digital ink and delete individual objects from a page. You can also clear all objects...
or all digital ink objects from a page simultaneously.

**NOTE**

You’re unable to clear objects locked in place or infinitely cloned objects (see Cloning objects on page 74). To clear all objects from a page, you must unlock all locked objects and clear the selection of **Infinite Cloner** on any infinitely cloned objects.

**To clear all objects from the page**

1. If you haven’t done so already, display the page you want to clear.
2. Select **Edit > Clear Page.**

**NOTES**

- This option is disabled if there are no objects on the page or if the objects are locked or infinitely cloned.
- You can also select this option by doing one of the following:
  - Right-click (Windows operating system) or Control-click (OS X operating system).
  - Pressing the page’s menu arrow in the Page Sorter
  - Pressing the page’s menu arrow while editing page groups (see To create a group (Windows) on page 25)
  - Pressing **Clear Page** if it’s included on the toolbar (see Customizing the toolbar on page 181)
- You can clear all objects from multiple pages at the same time. Select the pages’ thumbnails in the Page Sorter, press the menu arrow, and then select **Clear Page.**
To clear all digital ink objects from the page

1. If you haven’t done so already, display the page you want to clear.
2. Select **Edit > Clear Ink from Page**.

---

**NOTES**

- This option is disabled if there is no digital ink on the page or if the digital ink is locked or infinitely cloned.
- You can also select this option by doing one of the following:
  - Right-click (Windows operating system) or Control-click (OS X operating system).
  - Pressing the page’s menu arrow in the Page Sorter
  - Pressing the page’s menu arrow while editing page groups (see *To create a group (Windows)* on page 25)
  - Pressing **Clear Ink** if it’s included on the toolbar (see *Customizing the toolbar* on page 181)
- You can clear all digital ink objects from multiple pages at the same time. Select the pages’ thumbnails in the Page Sorter, press the menu arrow, and then select **Clear Ink from Page**.

---

**Resetting pages**

If you make changes to a page (without saving those changes), you can reset the page to the state it was in before you made the changes.

---

**NOTE**

Resetting a page doesn’t reset any Adobe Flash Player compatible files running on the page.
To reset a page

1. If you haven’t done so already, display the page you want to reset.
2. Select Edit > Reset Page.

A dialog box appears, prompting you to confirm the reset.

NOTES

- This option is disabled if you haven’t made changes to the page since last saving the file.
- You can also select this option by doing one of the following:
  - Right-click (Windows operating system) or Control-click (OS X operating system).
  - Pressing the page’s menu arrow in the Page Sorter
  - Pressing the page’s menu arrow while editing page groups (see To create a group (Windows) on page 25)
  - Pressing Reset Page if it’s included on the toolbar (see Customizing the toolbar on page 181)
- You can reset multiple pages at the same time. Select the pages’ thumbnails in the Page Sorter, press the menu arrow, and then select Reset Page.


Using the Screen Capture toolbar

The Screen Capture toolbar enables you to take a screen capture of a rectangular area, a freehand area, a window or the entire screen.

To take a screen capture

1. Press the SMART Board icon in the notification area (Windows operating systems) or Mac menu bar (macOS operating system software), and then select Screen Capture Toolbar.

NOTE

If your computer isn’t currently connected to a SMART interactive product, the SMART Board icon includes an X in its lower-right corner.
2. Press one of the following buttons:
   - 📞: Capture a rectangular area.
   - 📸: Capture a window.
   - 🌐: Capture an entire screen.
   - 🖋: Capture a freehand area.

3. Select the area, window or screen you want to capture.
   The Capture window opens. This window displays a thumbnail of the screen capture and a button for the last action you selected.

4. Press the last action's button.
   OR
   Press **Do something else** and select a different action.

   **To close the Screen Capture toolbar**
   Press **Close** (Windows operating systems) or **Close** (macOS operating system software) in the Screen Capture toolbar.

**Using the Magnifier**

Use the Magnifier tool so that your audience can see all the details on the display.

**Using the Magnifier tool**

   **To start the Magnifier tool**
   1. In Notebook, select the Magic Pen and draw a square or rectangular shape around the area to be magnified.
The Magnifier tool appears.

2. Position the mouse pointer over the magnifier and perform a left-click.

3. While holding down the left-click, move the magnifier tool to any area of the display to magnify content details.
   
   Use the slider below the magnifier tool to magnify details to an even greater degree.
   
   You can also use your finger to position the magnifier when using a SMART board.

To close the Magnifier tool

Press Close in the Magnifier tool’s upper right corner.
Using the Screen Shade tool

You can use a screen shade to cover a screen and reveal its content slowly:

To cover a screen

1. Press the **SMART Board** icon in the notification area (Windows operating systems) or Mac menu bar (macOS operating system software), and then select **Screen Shade**.

   **NOTE**

   If your computer isn’t currently connected to a SMART interactive product, the **SMART Board** icon includes an X in its lower-right corner.

2. If your computer is connected to more than one display, select the display on which you want the screen shade to appear.

3. Press one side of the screen shade and drag it to cover and uncover the display’s screen.

   **TIPS**

   - Press the screen shade to change its color.
   - Double-click the screen shade to resume covering the entire screen.

To remove the screen shade

Press **Close** in the screen shade’s upper-right corner.
Using the Spotlight tool

You can use the Spotlight tool during a presentation to draw attention to an area of a screen:

![Using SMART Notebook](image)

**NOTE**

When the Spotlight tool is open, you can write on and interact with screen elements in the spotlight area only.

You can also use the Magic Pen to open the Spotlight tool.

---

**To start the Spotlight tool**

1. Press the **SMART Board** icon in the notification area (Windows operating systems) or Mac menu bar (macOS operating system software), and then select **Spotlight**.

   **NOTE**

   If your computer isn't currently connected to a SMART interactive product, the **SMART Board** icon includes an X in its lower-right corner.

2. If your computer is connected to more than one display, select the display on which you want the spotlight to appear.

3. Optionally, position and drag the mouse pointer over the edge of the Spotlight tool to increase or decrease the size of the Spotlight area.

**To close the Spotlight tool**

Press **Close** in the spotlight's upper-right corner.
CHAPTER 8
PRESENTING LESSON ACTIVITIES

To use the Magic Pen to open the Spotlight tool

1. In Notebook, select the Magic Pen and draw a circular shape around the area to be spotlighted. See

   The Spotlight tool appears.

2. Position and drag the mouse pointer over the edge of the Spotlight tool to increase or decrease the size of the Spotlight area.

To close the Spotlight tool

Press Close in the Spotlight tool’s upper right corner.
Chapter 9
Installing and using add-ons

Installing add-ons ................................................................. 177
Using add-ons ................................................................. 177
Identifying missing add-ons .................................................. 178
Disabling and removing add-ons ........................................... 178

You can search for, browse and install SMART Notebook software add-ons from the SMART Exchange website.

Installing add-ons

To install an add-on

1. On the Notebook menu, select Add-ons > Manage Add-ons.
   The Add-on Manager appears.
2. Select one of the add-ons in the left panel, and press Done.

Using add-ons

After installing an add-on, you can use the features of that add-on like any other features in SMART Notebook software.

IMPORTANT
The SMART kapp add-on only supports SMART kapp 42 and SMART kapp 84 models.

To view an add-on

1. Press Add-ons 🍀 to open the list of add-ons.
2. Press the add-on's icon to open the add-on.
3. Press to return to the list of add-ons.

To view an add-on’s version and other information

1. Select Add-ons > Manage Add-ons on the software toolbar
   OR
   Press on the add-on title bar.

   The Add-on Manager appears.

2. Press the add-on’s name.

3. Press About.

Identifying missing add-ons

If you open a page in a .notebook file that requires an add-on that isn’t installed or is disabled on your computer, a message appears at the top of the page. Press the message to open the Add-on Manager. The Add-on Manager identifies which add-on is required. You can then install or enable that add-on.

Disabling and removing add-ons

In some situations, you might want to disable or remove a previously installed add-on.

If you choose to disable an add-on, the add-on no longer appears in SMART Notebook software but is still installed on your computer. You can subsequently enable the add-on.

If you choose to remove an add-on, the add-on no longer appears in SMART Notebook software and is removed from your computer.

To disable an add-on

1. Select Add-ons > Manage Add-ons.

   The Add-on Manager appears.

2. Press the add-on’s name.
3. Press **Disable**.

   **TIP**

   To enable the add-on again, press **Enable**.

   **To remove an add-on**

   1. On the Notebook menu, select **Add-ons > Manage Add-ons**.
      The Add-on Manager appears.
   2. Double press the name of the add-on.
   3. Press **Remove**.

   **NOTE**

   − You can only remove an add-on that you have installed after you installed SMART Notebook software.
Chapter 10
Configuring SMART Notebook software

Customizing the toolbar ................................................................. 181
Changing the default program for .notebook files ................................ 183
Setting gesture preferences ............................................................... 184
Setting image optimization preferences ............................................. 185
  Manually reducing the size of large pictures ..................................... 186
  Exporting optimized files ............................................................... 186
Setting default background color preferences .................................... 187
Setting table cell padding preferences .............................................. 187

This chapter explains how to configure SMART Notebook software.

Customizing the toolbar
The SMART Notebook software toolbar enables you to select and use a variety of commands and tools. You can customize the toolbar so that it includes the tools you use most frequently.

After adding or removing toolbar buttons, you can restore the default set of toolbar buttons. You can also restore the tools’ default settings if you customized and saved the settings using the Properties tab.

To add or remove toolbar buttons
1. Click Customize the toolbar.

   OR

   Right-click the toolbar.

   The Customize Toolbar dialog box appears.
2. Click **Actions** or **Tools**.

3. Do the following:
   - To add a button to the toolbar, click its icon in the dialog box, and then drag it to the toolbar.
   - To remove a button from the toolbar, click its icon in the toolbar, and then drag it away from the toolbar.
   - To rearrange the buttons, click an icon in the toolbar, and then drag it to a new position in the toolbar.

**NOTES**

- You can only add, remove and rearrange buttons in the panel of the toolbar you selected in step 2. For example, if you clicked **Actions** in step 2, you can only add, remove and rearrange buttons in the **Actions** panel.
- To span a button across rows, drag and hold it between two columns of buttons.

   If you’re using a smaller screen resolution, only span one or two buttons across rows to prevent issues when the toolbar is wider than the SMART Notebook software window.

4. Click **Done**.

**To restore the default set of toolbar buttons**

1. Click **Customize the toolbar**.
   OR
   Right-click the toolbar.
A dialog box appears.

2. Click **Restore Default Toolbar**.

### To restore the tools' default settings

1. Click **Customize the toolbar 🌋**.

   OR

   Right-click the toolbar.

   A dialog box appears.

2. Click **Restore Default Tool Properties**.

### Changing the default program for .notebook files

If you install a SMART program other than SMART Notebook software that can open .notebook files, you can set that program to be the default for .notebook files. If you want, you can change the default program back to SMART Notebook software later.

### To change the default program when you open a file

1. Open a .notebook file using SMART Notebook software (see *Opening files* on page 22).

   A message appears asking whether you want to change the default program for .notebook files to SMART Notebook software.

2. Click **Yes**.

### To change the default program using the Preferences dialog box

1. Select **Edit > Preferences**.

   The **SMART Notebook Preferences** dialog box appears.

2. Click **General**.

3. Click **Make Default**.

4. If you want a message to appear when you open a .notebook file and your default program isn't SMART Notebook software, select **Tell me if SMART Notebook software isn't the default program for .notebook files**.

5. Click **OK**.
Setting gesture preferences

You can interact with objects in SMART Notebook software using gestures, including the shake gesture and the press-and-hold gesture.

<table>
<thead>
<tr>
<th>Gesture</th>
<th>Name</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shake gesture</td>
<td>Group two or more objects</td>
<td></td>
</tr>
<tr>
<td>Press-and-hold gesture</td>
<td>Perform a right-click (Windows operating system) or Control-click (OS X operating system)</td>
<td></td>
</tr>
</tbody>
</table>

The shake and press-and-hold gestures are enabled by default. However, you can choose to disable them if you find that you or your students frequently invoke the gestures by accident.

To disable the shake gesture

1. Select **Edit > Preferences** (for Windows operating systems). The **SMART Notebook Preferences** dialog box appears. For OS X operating systems, select **Notebook > Preferences**. A dialog box appears.
2. Click **General**.
3. Clear the **Use the shake gesture to group and ungroup objects** check box.
4. Click **OK**.
To disable the press-and-hold gesture

1. Select **Edit > Preferences** (for Windows operating systems). The **SMART Notebook Preferences** dialog box appears. For OS X operating systems, select **Notebook > Preferences**. A dialog box appears.
2. Click **General**.
3. Clear the **Press and hold to perform a right-click** check box.
4. Click **OK**.

Setting image optimization preferences

If your .notebook files contain large pictures (pictures over 1 MB in file size), your files could open and run slowly. You can reduce the pictures’ file size without noticeably reducing their quality. As a result, your .notebook files’ overall file sizes will be smaller and the files will open and run more quickly.

To set image optimization preferences

1. Select **Edit > Preferences** (for Windows operating systems). The **SMART Notebook Preferences** dialog box appears. For OS X operating systems, select **Notebook > Preferences**. A dialog box appears.
2. Click **Defaults**.
3. Select one of the following options in the **Image optimization** drop-down list:
   - **Ask every time I insert a large image** to have the option of reducing or not reducing large pictures’ file sizes when you insert them.
   - **Never change the resolution of inserted images** to never reduce large pictures’ file sizes when you insert them.
   - **Always change image resolution to optimize file size** to always reduce large pictures’ file sizes when you insert them.
4. Click **OK**.
Manually reducing the size of large pictures
If you selected *Ask every time I insert a large image* in the *Image Optimization* drop-down list, you can manually reduce the size of large pictures when you insert those pictures in your file or afterwards.

**To reduce the size of a large picture when inserting it in a file**

1. Insert the picture as described in *Inserting pictures* on page 101.
   After you click **Open**, the *Image Optimization* dialog box appears.
2. Click **Optimize** to reduce the picture’s file size.
   OR

   Click **Keep Resolution** to not reduce the picture’s file size.

**NOTES**
- When you insert a BMP file, SMART Notebook software internally converts the file to PNG format. This conversion reduces the size of the file. As a result, you might not need to export an optimized version of the .notebook file (see *Exporting optimized files* below) even if the BMP file is over 1 MB in size.
- SMART Notebook software automatically reduces the file size of pictures over 5 MB or 5 megapixels regardless of which option you choose.

**To reduce the size of a large picture after inserting it in a file**

1. Select the picture.
2. Click the picture’s menu arrow, and then select **Image Optimization**.
   The *Image Optimization* dialog box appears.
3. Click **Optimize**.

**Exporting optimized files**
If you have existing files that contain large pictures or if you chose *Never change the resolution of inserted images* in the *Image Optimization* drop-down list, you can export optimized versions of your files that contain reduced pictures. This is particularly useful when you need to present a .notebook file on an older or less powerful computer.
CHAPTER 10
CONFIGURING SMART NOTEBOOK SOFTWARE

To export an optimized file
2. Browse to where you want to save the new file.
3. For Windows operating systems, type a name for the file in the File name box. For OS X operating systems, type a name for the file in the Save As box.
4. Click Save.

Setting default background color preferences
By default, new pages added to your file have a default white background color. You can change the default background color.

NOTE
This setting only affects new pages, and will be overridden by any applied Themes.

To change the default background color
1. Select Edit > Preferences (for Windows operating systems). The SMART Notebook Preferences dialog box appears. For OS X operating systems, select Notebook > Preferences. A dialog box appears.
2. Click Defaults.
3. Select Change Color, and then select a color.
4. Click OK.

Setting table cell padding preferences
SMART Notebook 11 software adds cell padding to tables.

Table before upgrading to SMART Notebook 11 software (without cell padding)

Table after upgrading to SMART Notebook 11 software (with cell padding)
Complete the following procedure to remove cell padding from tables. This is particularly useful if you created tables prior to upgrading to SMART Notebook 11 software and intended the tables' contents to display without cell padding.

**NOTE**

Completing the following procedure affects the appearance of tables in .notebook files when viewed on your copy of SMART Notebook software only. If you open the same .notebook files on another copy of SMART Notebook software, the tables display with cell padding (assuming the procedure hasn't been completed on that copy of SMART Notebook software).

**To remove cell padding from tables**

1. Select **Edit > Preferences** (for Windows operating systems). The **SMART Notebook Preferences** dialog box appears. For OS X operating systems, select **Notebook > Preferences**. A dialog box appears.
2. Click **Defaults**.
3. Clear the **Add cell padding to table cells** check box.
4. Click **OK**.
5. Close and restart SMART Notebook software.

   New and existing tables in your .notebook files display without cell padding.
Chapter 11
Troubleshooting SMART Notebook software

Adobe Flash Player issues ........................................................................................................... 190
Connection issues .................................................................................................................. 190
Digital ink issues .................................................................................................................. 191
File issues ............................................................................................................................. 191
Gesture issues ....................................................................................................................... 192
Installation issues ................................................................................................................ 193
Missing lesson content ........................................................................................................ 193
Object issues ......................................................................................................................... 194
Subscription and product key issues .................................................................................... 196
Toolbar and window issues ................................................................................................. 197
Contacting SMART reseller/support for further assistance .................................................. 198

This chapter explains how to troubleshoot issues with SMART Notebook software.
Adobe Flash Player issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solutions</th>
</tr>
</thead>
</table>
| Videos or animated objects won't play in your SMART Notebook lesson | **What’s happening**  
Adobe is discontinuing Flash Player and will remove all support for it in 2020. HTML5 is replacing Adobe Flash Player as the preferred online platform for multimedia content, so everyone who creates online content, including SMART Technologies, is switching to HTML5 for creating and playing multimedia files, such as videos and animations.  
**What SMART is doing**  
To promote the use of files that will work once Adobe Flash Player is discontinued, we removed support for the player in SMART Notebook 17. See a list of the Adobe Flash Player objects that SMART Notebook software no longer supports.  
We’ve already replaced the most popular Adobe Flash Player activities in the SMART Notebook Gallery with HTML5 activities. See a list of the Adobe Flash Player activities that SMART Notebook software converts.  
**What you can do**  
To prepare for Adobe Flash Player’s discontinuation, delete unsupported, Flash based objects and activities from your SMART Notebook lessons and create new ones using the tools available in SMART Notebook 17. Download a step-by-step guide at smarttech.com/flashupdate.  
You can create fun and engaging activities in SMART lab 🚀. Learn more about what SMART lab offers and how to use activities.  
If you really need to play a Flash based file from an old lesson, you can attempt to open it in an Adobe Flash enabled web browser.|

Connection issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>You have a network connection issue.</td>
<td>Several components of SMART Notebook software (activation, maestro, lab, response 2) require an active Internet connection and access to URLs that may be blocked by a network firewall or other filters. See Device and Network Requirements for a list of URLs that must be whitelisted.</td>
</tr>
</tbody>
</table>
## Digital ink issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>On Windows computers, SMART Notebook software doesn’t recognize handwriting in your language.</td>
<td>Install the appropriate language pack.</td>
</tr>
<tr>
<td>You want your handwriting to appear more smooth and natural in SMART Notebook software.</td>
<td>Use the Calligraphic pen type rather than the Standard pen type (see Writing, drawing and erasing digital ink on page 36).</td>
</tr>
<tr>
<td>You’re having trouble writing smoothly in SMART Notebook software on the Windows 7 operating system.</td>
<td>Turn off the Single Finger Panning feature. See smarttech.com/kb/147470.</td>
</tr>
<tr>
<td>When you write with a pen, SMART Notebook software on the Windows 7 operating system interprets your action as a mouse click.</td>
<td>Turn off the Flicks feature. See smarttech.com/kb/144274.</td>
</tr>
</tbody>
</table>

## File issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Your file contains large pictures and runs slowly when you open it in SMART Notebook software.</td>
<td>Export an optimized version of the file (see Setting image optimization preferences on page 185).</td>
</tr>
</tbody>
</table>
### Issue

**You receive a file or feature-specific error.**

- Restart the computer and attempt to view the SMART Notebook file again.
- Try to create a new file with the problematic content (for example, add a new instance of a photo that may not have appeared) to determine if the issue is widespread.
- Try a different user account or a different computer and access the SMART Notebook file to see if the issue is specific to the file or the user account.

**The SMART Notebook file is corrupt and can't be opened with SMART Notebook software.**

If you are unable to open a file with SMART Notebook software, further information is available at this support page.

### Gesture issues

**Issue**

The multitouch gestures aren't working in SMART Notebook software.

**Solutions**

Ensure that your interactive product supports multitouch gestures and that multitouch gestures are enabled.
# Installation issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solutions</th>
</tr>
</thead>
</table>
| You have received an installation error. | Troubleshooting procedures for installation errors vary according to operating system, the specific error message, and the environment and specifications of the computer. Here are some general tips and tricks you can try if you run into an error message during installation. See this [KB article](https://smarttech.com/kb/171309) for additional information.  
  - Windows:  
    a. Run Windows updates and apply any updates.  
    b. Restart the computer.  
    c. Run Scan to repair any problematic system files. See this [support document](https://smarttech.com/support) for more information.  
    d. Run the installation again.  
  - Mac computers:  
    a. Run macOS or OS X updates and apply any updates.  
    b. Restart the computer.  
    c. Repair disk permissions (if applicable). See this [Apple support site document](https://support.apple.com) for more information.  
    d. Run the installation again. |

# Missing lesson content

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solutions</th>
</tr>
</thead>
</table>
| You create a SMART Notebook lesson at home, but quizzes or questions are missing when you or a colleague present it from a different computer. | If you’re using a computer other than the one on which you created the lesson, you can open your lesson, but you must sign in to your SMART Notebook account before you can access all the features in SMART lab and SMART response 2.  
  - Select **Account** from the SMART Notebook menu to sign in and access the missing content. |
Object issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solutions</th>
</tr>
</thead>
</table>
| When you create a .notebook file on one computer and then open it on another computer, the objects in the file appear differently. | There are several possible causes. The following are the most common:  
  ○ You used a font that’s installed on one computer but not on the other.  
  ○ The two computers have different operating systems.  
  ○ The two computers have different versions of SMART Notebook software. |
| You want to move, resize or otherwise change an object, but when you do so, you also move, resize or otherwise change other objects. | • The objects are grouped. Any changes you make to one object affect the other objects.  
  • Select the objects, and then select Format > Group > Ungroup to ungroup them. You can then move, resize or otherwise change the individual objects.  
  • For more information, see Positioning objects on page 69. |
<p>| You want to move, resize or otherwise change an object but can’t. A lock icon 🛠️ appears instead of a menu arrow when you select the object. | The object is locked, which prevents you from making changes to it. To unlock the object, select it, press its lock icon 🛠️, and then select Unlock. |</p>
<table>
<thead>
<tr>
<th>Issue</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>One object on a page covers another:</td>
<td>• As you create objects, newer objects cover older objects automatically if the objects are in the same position on the page.</td>
</tr>
<tr>
<td></td>
<td>• You can change the order of objects. For more information, see <em>Rearranging stacked objects</em> on page 71.</td>
</tr>
<tr>
<td>You want to change this so that the second object covers the first:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>When you fill an object with a picture that is larger than the object, the picture is cut off:</td>
<td>• When filling an object with a picture, select <strong>Scale image to fit</strong> to resize the picture to fit the object:</td>
</tr>
<tr>
<td></td>
<td>• For more information, see <em>Changing object properties</em> on page 66.</td>
</tr>
<tr>
<td>Conversely, when you fill an object with a picture that is smaller than the object, the picture is tiled:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Subscription and product key issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>You want to obtain a SMART Notebook product key.</td>
<td>- The product key is provided through the SMART software portal. The SMART software portal sign in information is given to the contacts provided when SMART Notebook software was purchased. Contact your technical administrator to obtain your SMART Notebook product key.</td>
</tr>
<tr>
<td></td>
<td>- If you are the technical administrator, you should have received an email with your sign in credentials. Sign in to the SMART software portal to view all SMART software product keys available to your organization.</td>
</tr>
<tr>
<td>You want to stop relying on a product key and instead be able to sign in to your SMART account to use SMART Notebook 18 on any computer where it is installed.</td>
<td>- Contact your system administrator and ask to have your SMART account email added to your school’s subscription to SMART Learning Suite in the SMART software portal.</td>
</tr>
<tr>
<td></td>
<td>- If you are the system administrator or you purchased Notebook yourself, sign in to the SMART software portal and make the change yourself.</td>
</tr>
<tr>
<td><strong>NOTE</strong></td>
<td>You must be using SMART Notebook 17 or later (18 recommended).</td>
</tr>
<tr>
<td>You need to renew your SMART Learning Suite subscription.</td>
<td>- Contact your SMART authorized reseller to renew your SMART Learning Suite subscription.</td>
</tr>
<tr>
<td>You want to determine the version of SMART Notebook software to which your subscription entitles you.</td>
<td>- Generally, you’re entitled to download and install any version of SMART Notebook software that is released during your active subscription period.</td>
</tr>
<tr>
<td>You want to know how SMART Learning Suite software will behave if your subscription expires.</td>
<td>- When your SMART Learning Suite subscription expires, you can continue to use SMART Notebook software in limited mode. In this mode several premium features will be read only.</td>
</tr>
<tr>
<td></td>
<td>- Visit the SMART Learning Suite subscription features page for a specific list.</td>
</tr>
</tbody>
</table>
## Toolbar and window issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>When using SMART Notebook software on an interactive product, you or your students can’t reach the toolbar.</td>
<td>Press <strong>Move toolbar to top/bottom of window</strong> ‣ to move the toolbar from the top of the window to the bottom.</td>
</tr>
<tr>
<td>TIP</td>
<td>If you have a height-adjustable wall mount, you can also adjust the height of the interactive whiteboard or display so that students can reach it.</td>
</tr>
<tr>
<td>Toolbar buttons described in this documentation don’t appear on the toolbar.</td>
<td>• If a down arrow ▼ appears on the right side of the toolbar, press it to display additional toolbar buttons.</td>
</tr>
<tr>
<td></td>
<td>• If the desired button you’re looking for doesn’t appear when you click the down arrow ▼, you or another user might have removed the button (see <strong>Customizing the toolbar</strong> on page 181).</td>
</tr>
<tr>
<td></td>
<td>• Don’t span more than a few buttons across rows to prevent the toolbar from being wider than the SMART Notebook software window.</td>
</tr>
<tr>
<td>You want to change the defaults on the SMART Notebook toolbar, like pen thickness or default text font.</td>
<td>See <strong>Changing the default font in SMART Notebook software</strong></td>
</tr>
<tr>
<td>There isn’t enough room on your interactive product to display the contents of a page.</td>
<td>• Press <strong>View Screens</strong> ‣, and then select <strong>Full Screen</strong> to display the page in Full Screen mode.</td>
</tr>
<tr>
<td></td>
<td>• Select the <strong>Auto-hide</strong> check box to hide the tabs when not in use.</td>
</tr>
<tr>
<td>The Page Sorter, Gallery, Attachments, Properties and other tabs disappear whenever you press outside of the tabs.</td>
<td>Press one of the tab’s icons to display it, and then clear the <strong>Auto-hide</strong> check box.</td>
</tr>
</tbody>
</table>
### Issue

Two users are creating or manipulating objects in SMART Notebook software on a SMART Board 800 series interactive whiteboard. One user is using his or her finger. The other user is using a pen from the pen tray.

When the user using the pen presses a button in the toolbar, the selected tool or option changes for the user using his or her finger instead.

### Solutions

The user using the pen must press buttons in the toolbar with the pen, not with a finger.

---

### Contacting SMART reseller/support for further assistance

1. Gather screen shots, videos, sample files and steps required to reproduce the issue.
2. Determine the scope of the issue. Are only certain user profiles affected? How many computers are affected? How widespread is the issue?
3. Gather SMART Notebook and system logs.
   - Windows: Open SMART Notebook software and select Help > Generate Diagnostic Data.
   - macOS: Open SMART Notebook software and select Notebook > Generate Diagnostic Data.