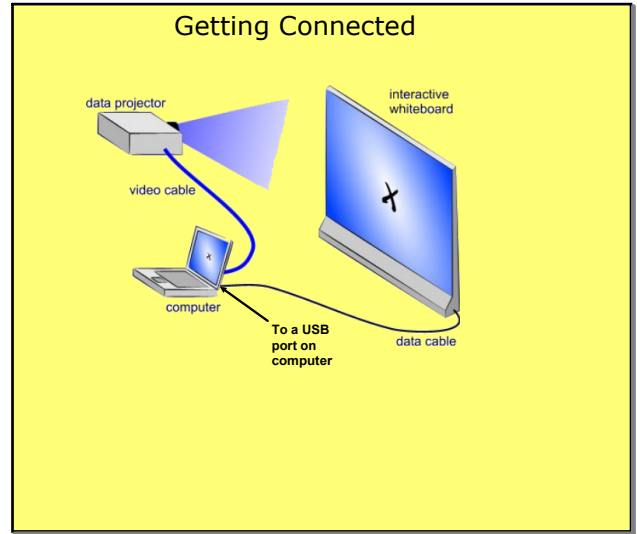


Engaging Students
in
Learning with
SmartBoards!!

Cheryl Williams,
Library Media Specialist

Welcome



Getting Started

Laptop Computer Connection

1. Turn on computer & projector
2. Log on to computer
3. Select projector input or source button "Computer 1" or "RGB 1."
4. To display computer image onto SmartBoard
 - * Hold function key (fn) **AND** press f4 or f5 or f8 key (depending on computer)

★ Toggles to 3 settings

- a. Computer screen only
- b. SmartBoard only
- c. Computer & SmartBoard

Laptop Connection

Desktop Computer Connection



1. Need extra long VGA cable (15-25 ft.)
2. Disconnect VGA cable from monitor
3. Connect VGA splitter cable to CPU
4. Reconnect monitor VGA to splitter
5. Connect extra long VGA cable to other end of splitter cable.
6. Image should appear shortly after connecting.

Connect to extra long VGA cable (See ACP Direct price sheet in folder pocket)

Desktop Connection

Orienting:

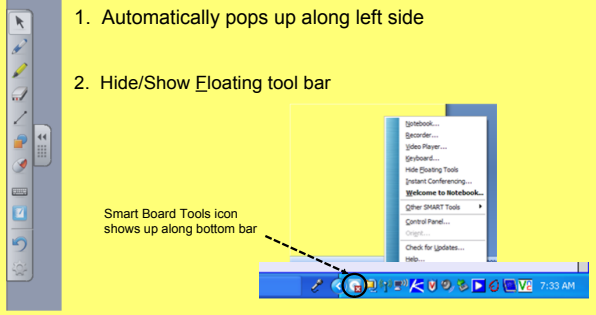
1. Hold down both keyboard and right click mouse key on pen tray (2-3 seconds)
2. Point of RELEASE determines alignment point.

Orienting

Floating Tool Bar

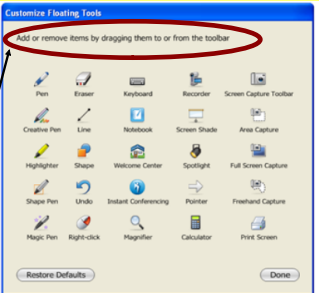
1. Automatically pops up along left side
2. Hide/Show Floating tool bar



Smart Board Tools icon shows up along bottom bar

Floating Toolbar


Floating Tool Bar



- Selection Tool
- Pen Tool
- Highlighter Tool
- Eraser
- Line Tool
- Shape Tool
- Right Click
- Floating Keyboard
- Open Notebook Software
- Undo
- Customize Floating Tools

Floating Tool bar

FLOATING KEYBOARD



VIEW:

- Classic
- Number Pad
- Write
- Shortcut
- Simple
- Simple Caps


SETTINGS:

- Sound
- # of keys in classic view
- Convert writing text in ___ msec
- Location of keyboard (left or right)
- Transparency

Floating Keyboard

RIGHT-CLICK BUTTON

- Tray button
OR
- Touch the board for approximately 3 sec
OR
- Select object then down triangle



Object Right-click Options:

- Clone
- Cut
- Copy
- Paste
- Delete
- Locking
- Grouping
- Flip
- Order
- Infinite cloning
- Linking
- Sound
- Properties

Open Space Right Click options:

- Paste
- Select all
- Clear
- Set background

Right Mouse Click


Writing, Converting, Sizing, Moving Demonstration

The Pens!

Convert writing

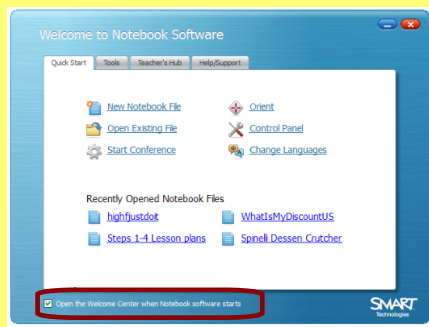
Introducing "Notebook 10 Software"

- Start
- Programs
- Accessories
- Notebook 10

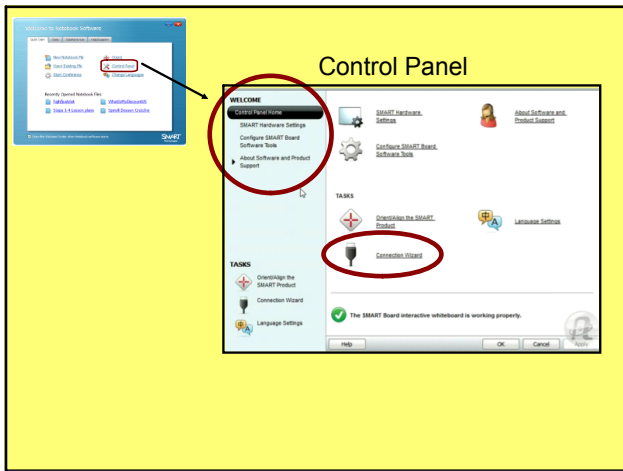


Intro Notebook

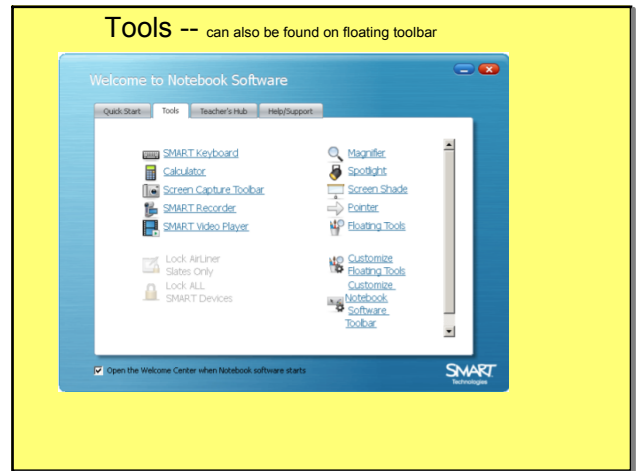
Welcome Center



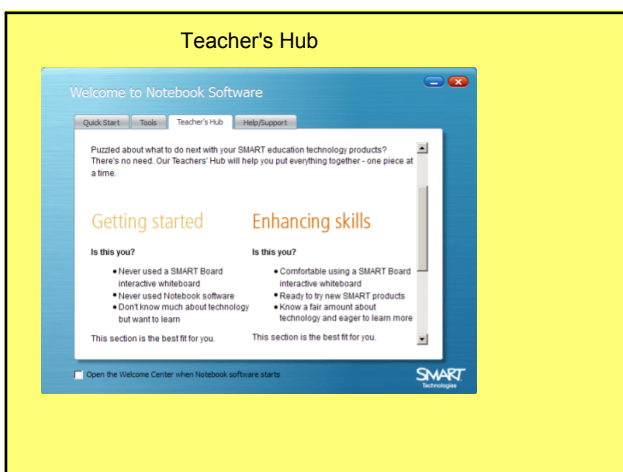
Welcome Center



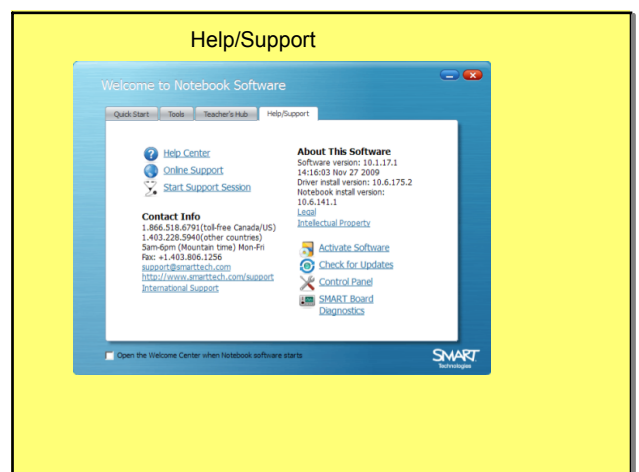
Control Panel



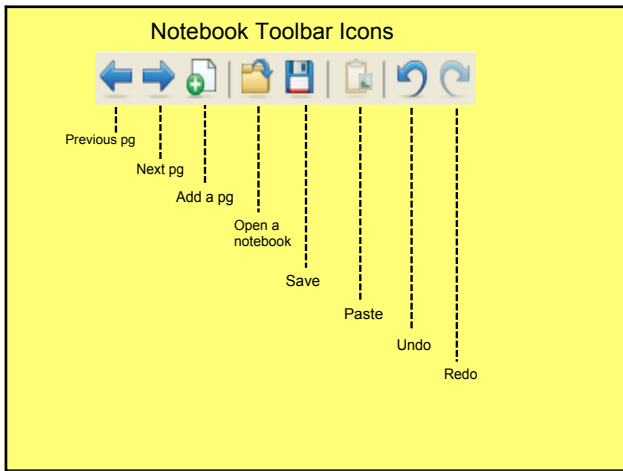
Welcome-Tools



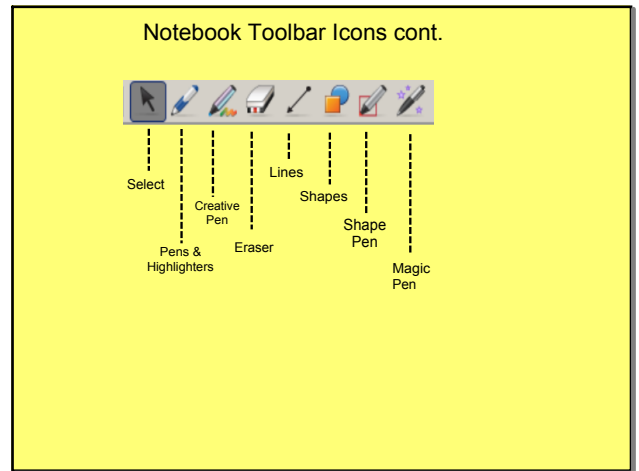
Teacher's Hub



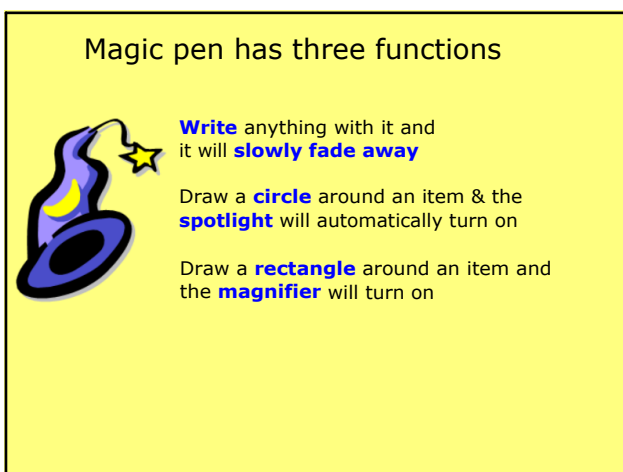
Help/Support



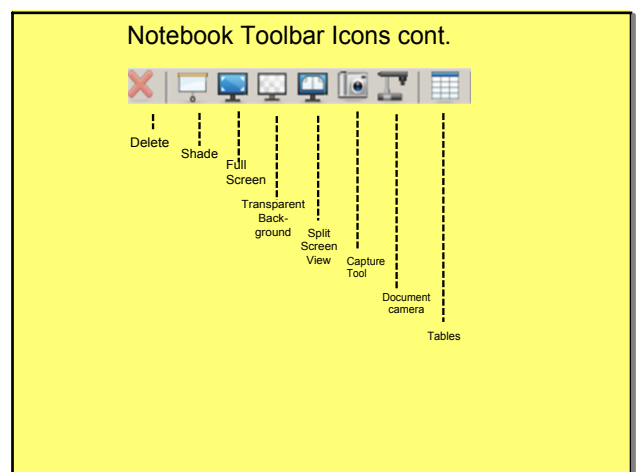
Notebook Toolbar



Notebook Toolbar



Magic Pen



Notebook Toolbar

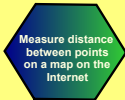
Using Transparent Background Mode

- View the desktop and windows **behind** the SMART Notebook window
- Continue to interact with the open, transparent file.
- Draw in digital ink on a transparent page and save your notes in the file.
- May also display measurement tools, take screen captures and more.



GIVE IT A TRY!!

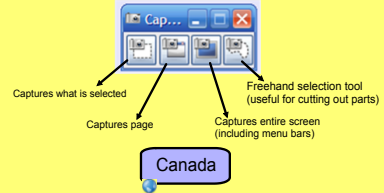
Click on either or both activities below.



Transparent Background

Capturing Content

- floating capture menu will appear on any screen being viewed
- 4 capture tool options



Capture Content

Table Tool Instructions

- Click on table icon
- Drag to highlight number of rows & columns
- Table position defaults to center of page
- Selecting table
 - click outside of table drag over table to select
 - move table by handle in upper left corner
 - resize table with handle at lower right corner
- Adding & deleting rows and columns
 - select row or column
 - right click
 - select insert or delete
- Moving cell items
 - click to select cell
 - click to select cell item then move to new location

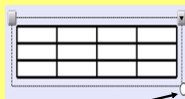


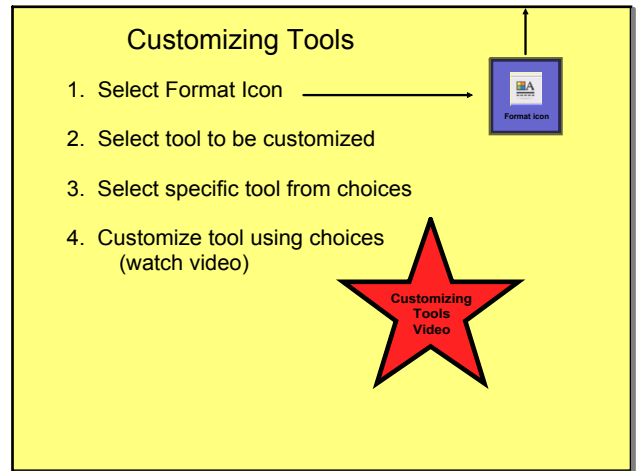
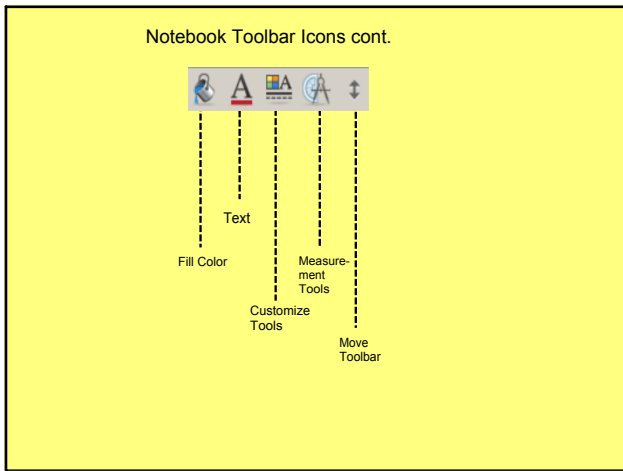
Table tool

Table Demonstration



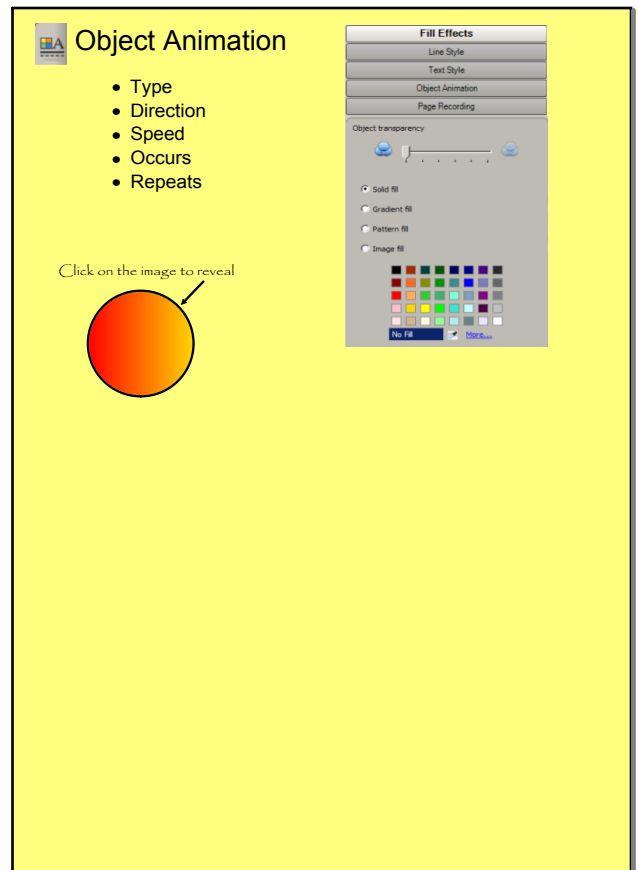
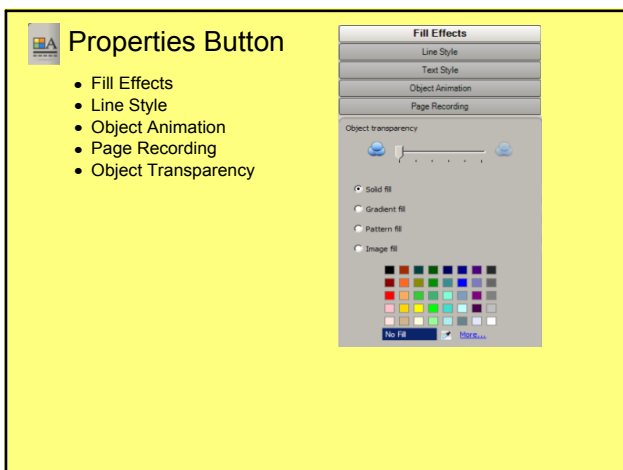
| | | | | |
|---------------|----------|----------|-----------|-----------------|
| | | | | Capitals |
| | | | | Albany |
| | | | | Columbus |
| | | | | Austin |
| | | | | Lansing |
| | | | | Madison |
| States | Ohio | Texas | Wisconsin | |
| | New York | Michigan | | |

Table tool



Nov 15-9:54 AM


Customizing tools




Properties Button

Properties Button

HANDS ON TIME



1. Connect equipment
2. Orient board
3. Click on the green button to get map on the Internet 
4. Use capture tool to copy map
5. Write in a few states with a pen from the tray
6. Convert the handwriting to text
7. Create labels for some states

Set up



'Hands On Time

Make an effective introduction slide with:

- colored background
- title
- names of people in group
- graphics & labels

Set up

Language Arts - Parts of Speech

Drag each word to its proper category below

The little brown puppy ran into the road.

Sally gave her brother a black eye.

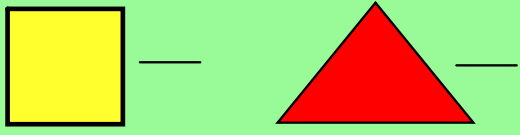
| noun | adjective | verb | adverb | preposition |
|------|-----------|------|--------|-------------|
| | | | | |

Language sorting

ACTIVITY 2


Recreate the worksheet below and answer the problems.

Instructions: Measure the lengths of the sides of the shape and give the circumference for each shape.



Nov 10-8:57 AM

Smart Board Editing Functions

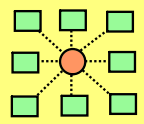


- Clone
- Cut
- Copy
- Paste
- Delete
- Check Spelling
- Set Picture Transparency
- Locking
- Grouping
- Flip
- Order
- Infinite Cloner
- Link
- Sound
- Properties

Editing Functions

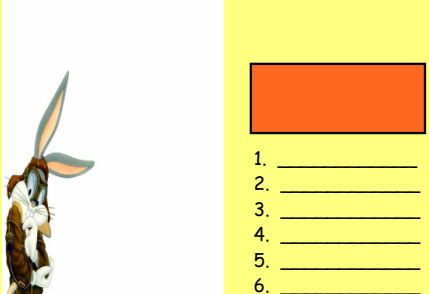
Cloning Demonstration

Create a graphic organizer



Cloning

Picture Transparency, Flip, Order



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

BACK

Lock, Group, Flip, Order

Grouping, Ungrouping, Locking & Unlocking


Grouping

- To select multiple items, hold down the control key & make your selections OR
- Click & drag over all items
- Click on one of the down carrots and select group OR
- Ctrl + G

Locking Options:

- **Lock in place**
will not move
- **Allow Move**
maintains shape of image
- **Allow Move & Rotate**
maintains shape

Reproduce the colored book spine



Grouping & Locking

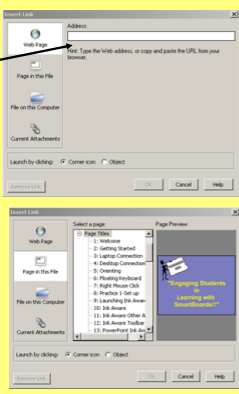
Linking

"WEB PAGE"
* Copy & paste URL here

★
Web Page

"PAGE IN THIS FILE"
* Links to another page in your current notebook
* Useful for toggling back and forth between pages

★
Page in this File



Linking

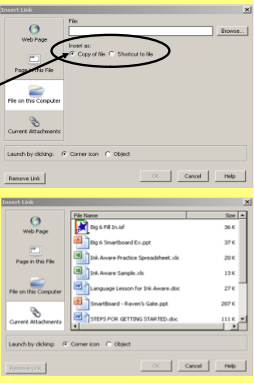
Linking

"FILE ON THIS COMPUTER"
* Select "Browse" button to locate file
* Insert as **"Copy of file"** will create a copy and add as an attachment (recommended)
* May be viewed by clicking the "Attachments" tab
* Insert as **"Shortcut to file"** requires connection to that computer

★
File on this computer

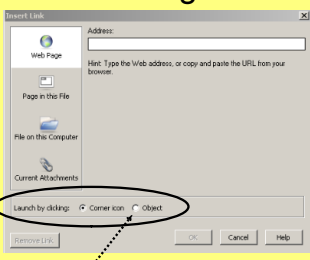
"CURRENT ATTACHMENTS"
* Select attachment from given list

★
Current Attachments



Linking cont.

Linking




To delete an **"object link"**, right click & select delete


Linking Delete

Linking Sound

★ **Must be an .mp3 file**



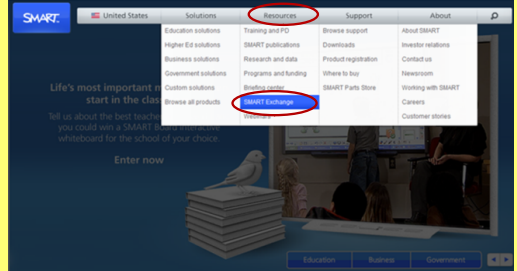
Linking Sound



Smart Board Extras

- Drag & Drop images onto other pages
- Extend page - allows you to fit more onto a single page
- Quick erase - circle entire area, then tap center to erase all items
- Name pages for quick reference - double click below page in page sorter
- Software downloadable for home use (need serial # from equip.)
- Lessons available online @ Smart Exchange exchange.smarttech.com
- Two-minute tutorials @ www.smarttech.com
- Online lessons connected to state standards

www.smarttech.com



Extra Features

Smarttech.com

SMART Board Lesson Resources

Smart Board Official Website
www.smarttech.com <<http://www.smarttech.com>>

- Resources - Smart Exchange - Scroll down to SMART Notebook Lesson Activities
- Hyperlink found in paragraph entitled Engage students with interactive resources
- Search according to subject area &/or grade level

Janesville SMART Board Wikispaces
 <<http://janesvillesmartboard.wikispaces.com/>>


- Plethora of prepared notebooks for all grade levels and a multitude of subjects
- SMART Board resource links
- SMART Board tools

Longwood Central School District (K-12)
 <<http://www.longwood.k12.ny.us/longsmart3.html>>


Sound Resources →

Soundzabound (Royalty free music library)
 <<http://www.soundzabound.com/>>

Daily Wave
 <<http://www.dailywav.com/index.php>>

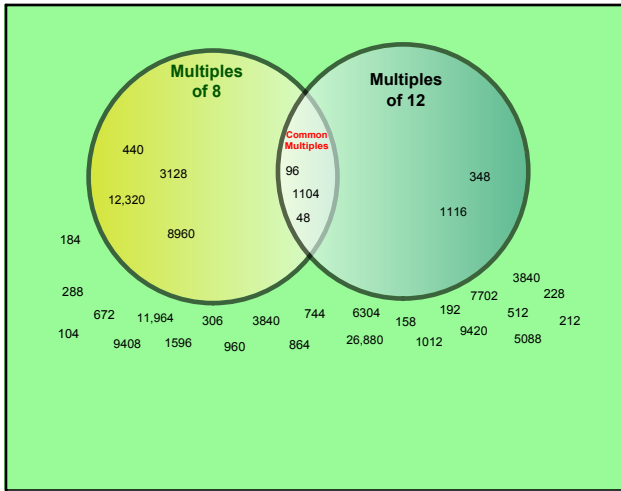


Sample Lessons/Activities



Nov 18-7:01 AM

Sample Lessons



Venn Diagram



Map labeling

STATE CAPITALS
Write the state in the box on the right and highlight the capital city in the search & find box. Use your own highlighter color. [Online Interactive Version](#)

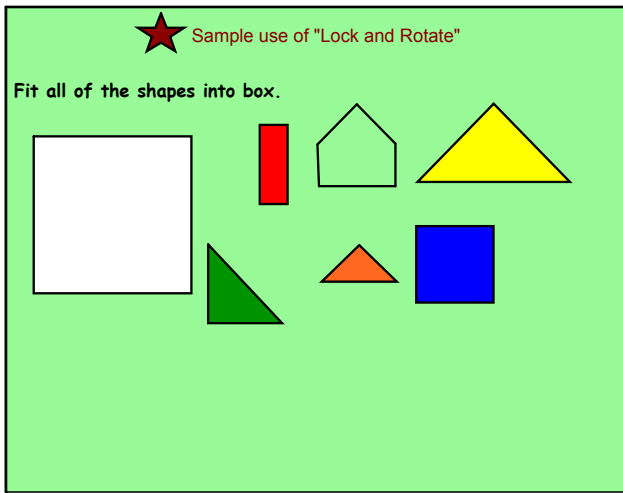
| | |
|--|---|
| <p>J F K C R A M S I B X G E E A Y L M A D R R T T C R M A S I T R E N T O N Y R R I A N T K A K L N N E D N I E E L L A O C N I A D M A E O D E A C C D A U O L C H K L I S I O M T S P N S A N T A F E N M F S P N H B O M O O R O J O H P Y I O O O J M P D V O L S P T V U N N T S O C N R A Y Y L I I R A I E N N X I S Y H T D T C L R N S A L T L A K E C I T Y P A D O K O E K C L N L B K N A M I T S A L L R S S M S O C O A E D M U C A S I U L E C O O R I N T N P O E N H E R N B A I H N F G G E O H T H O O N Y R Y C L H F E O A T L N I B A D S L X V R E H A A G Y R N N R I I L P R O V I D E N C E S N E B U O T A K S E C R V B S I R U U S I N U M L O H F N P T I E Y P A B T E R N G O S A U F I O A T A S R N M I N E P E K C O R L L T I L N L B U A S R K S L I S E J L O U S O P C O L U M B I A A C H A R L E S T O N N O M A R M L N B C S A N E L E H B A A C A T S U O U A</p> | <p>ALBANY LINCOLN ANNAPOLIS LITTLE ROCK ATLANTA MADISON AUGUSTA MONTGOMERY AUSTIN MONTPELIER BATON ROUGE NASHVILLE BIRMINGHAM INDIANAPOLIS BOISE OLYMPIA BOSTON PHOENIX CHARLOTTE PIERRE CHARLESTON PROVIDENCE CHESTERFIELD FAYETTEVILLE COLUMBIA RICHMOND COLUMBUS SACRAMENTO CONCORD SALEM DENVER SALT LAKE CITY DES MOINES SANTA FE DOVER SPRINGFIELD FRANKFORT ST PAUL HARRISBURG TALLAHASSEE HARTFORD TOPEKA HELENA TRENTON INDIANAPOLIS JACKSON JEFFERSON CITY JUNEAU LANSING</p> |
|--|---|

State Capitals

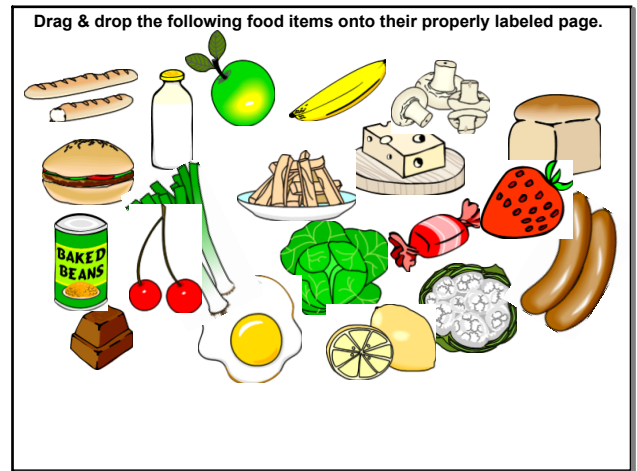
Order the Big 6 Steps

| | | |
|---|---|--------------------------------|
| 1 | 1 | Use of Information |
| 2 | 2 | Evaluation |
| 3 | 3 | Synthesis |
| 4 | 4 | Location & Access |
| 5 | 5 | Task Definition |
| 6 | 6 | Information Seeking Strategies |

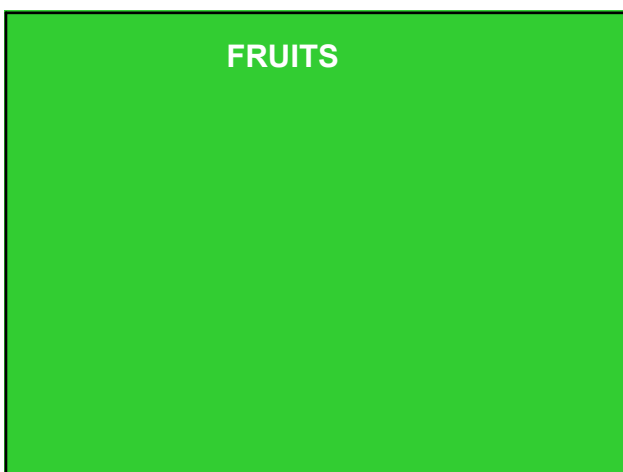
Big 6 Ordering



Shapes



Sorting Items



Fruits



Vegetables

Label each section of the LMC by writing your answers in the table to the right

| | |
|---|--|
| A | |
| B | |
| C | |
| D | |
| E | |
| F | |
| G | |

LMC Labeling

Reorder the books below.

Fiction or Non-Fiction?

Erase to reveal

Ordering fiction

Money Counting

By cloning the coins below, create bundles of money in the amounts listed.

67 cents

89 cents

\$1.17

\$1.56

Money Counting

Notebook Side Tabs

- Page Sorter
- Gallery
- Attachments
- Customize
- Move tabs to opposite side
- Next or previous pg
- Add page
- Delete object
- Hides the page sorter

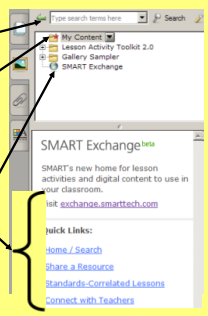
Page sorter

The Gallery

SEARCH WINDOW -- use singular form of words for best search results

MY CONTENT - save gallery items you use often (ONLY to that particular computer)

SMART Exchange at your fingertips
Click to learn more

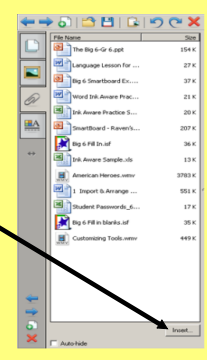


Gallery

Attachments Tab

Allows you to attach other files to your notebook

- Insert Copy of File
- Insert Hyperlink
- Insert Shortcut to File



Attachments Tab

| Trial # | Heads | Tails | Total |
|---------|-------|-------|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



Coin Flip Stats

Match the Names of the Planets



Sort the words below according to their category



Nov 11-7:03 AM

Green Category Sort



Gr Category Sort

Pairing Opposites
Pair up words that are opposites of each other

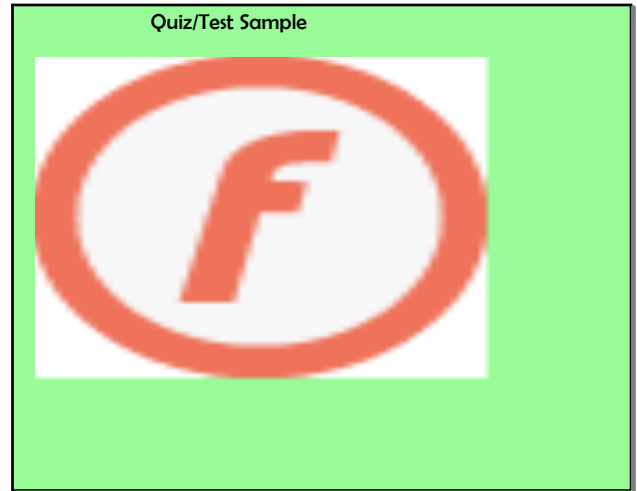


Nov 5-12:08 PM

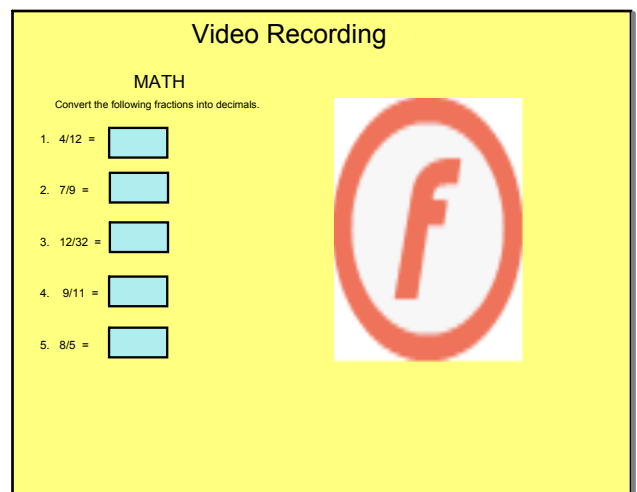
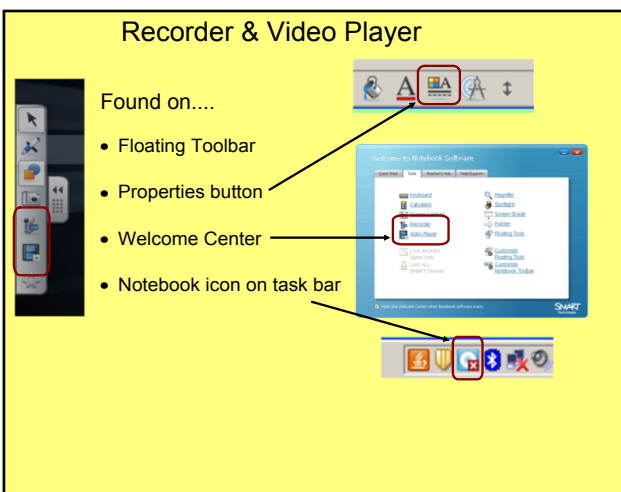
Sort the animals according to their classification



Nov 5-1:43 PM



Nov 11-7:14 AM




Jan 13-10:22 PM

Recording Demo

Ink Aware

Write over the top of anything

- Internet sites
- Inspiration
- Videos, etc



Incorporate into MS Documents

- MS Word
- MS PowerPoint
- MS Excel


Nov 14-11:24 AM



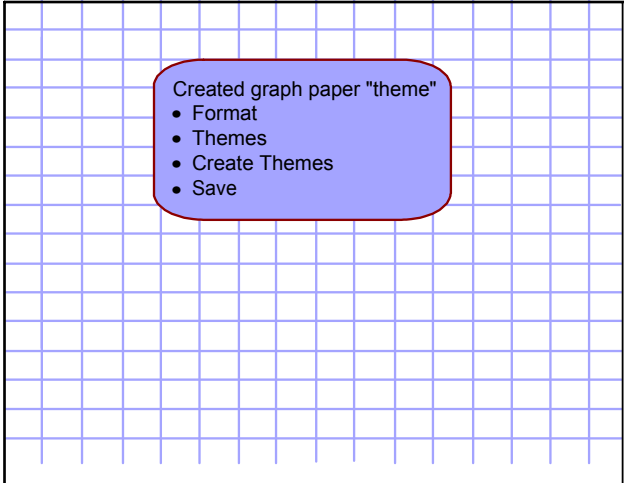
Questions?
Answers?
Independent
Work

Q&A Time

More interactive tools



Nov 11-12:11 PM





Created graph paper "theme"

- Format
- Themes
- Create Themes
- Save

Nov 11-3:03 PM

HANDS ON TIME



1. Connect equipment
2. Orient board
3. Click on the green button to get map on the Internet 
4. Use capture tool to copy map
5. Write in a few states with a pen from the tray
6. Convert the handwriting to text
7. Create labels for some states

Writing, Converting, Sizing, Moving Demonstration

The Pens!

Set up

Convert writing

ACTIVITY 1

Language Arts - Parts of Speech
Drag each word to its proper category below

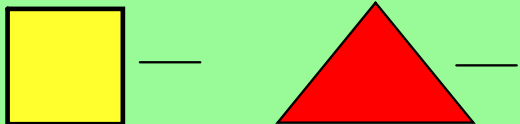
The little brown puppy ran into the road.
Sally gave her brother a black eye.

| noun | adjective | verb | adverb | preposition |
|------|-----------|------|--------|-------------|
| | | | | |

ACTIVITY 2

Recreate the worksheet below and answer the problems.


Instructions: Measure the lengths of the sides of the shape and give the circumference for each shape.



Language sorting

Nov 10-8:57 AM

Table Demonstration



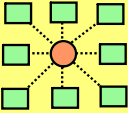
| Capitals | Correct? |
|----------|----------|
| Albany | Yes |
| Columbus | No |
| Austin | |
| Lansing | |
| Madison | |

States Ohio Texas Wisconsin
New York Michigan

Table tool



Cloning Demonstration

Create a graphic organizer



Cloning

Picture Transparency, Flip, Order

- _____
- _____
- _____
- _____
- _____
- _____

BACK

Lock, Group, Flip, Order

Grouping, Ungrouping, Locking & Unlocking


Grouping

- To **select multiple items**, hold down the control key & make your selections OR
- Click & drag over all items
- Click on one of the down carrots and select group OR
- Ctrl + G

Locking Options:

- Lock in place**
will not move
- Allow Move**
maintains shape of image
- Allow Move & Rotate**
maintains shape

Reproduce the colored book spine



Grouping & Locking

Capturing Content

- floating capture menu will appear on any screen being viewed
- 4 capture tool options

World Atlas -- Canary Islands

Capture Content

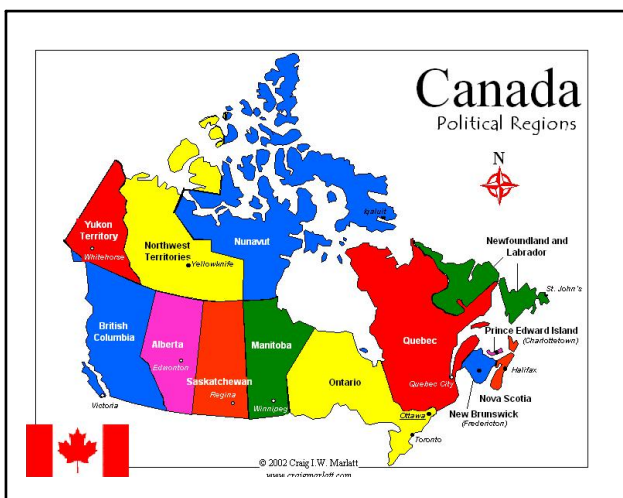
Video Recording

MATH

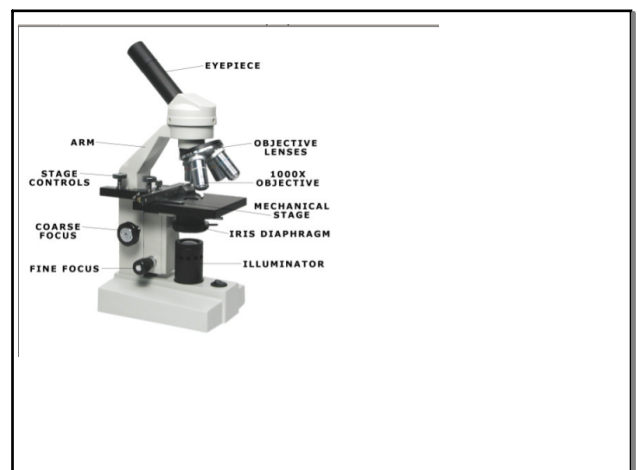
Convert the following fractions into decimals.

1. $4/12 =$
2. $7/9 =$
3. $12/32 =$
4. $9/11 =$
5. $8/5 =$

Recording Demo












Nov 18-7:14 AM

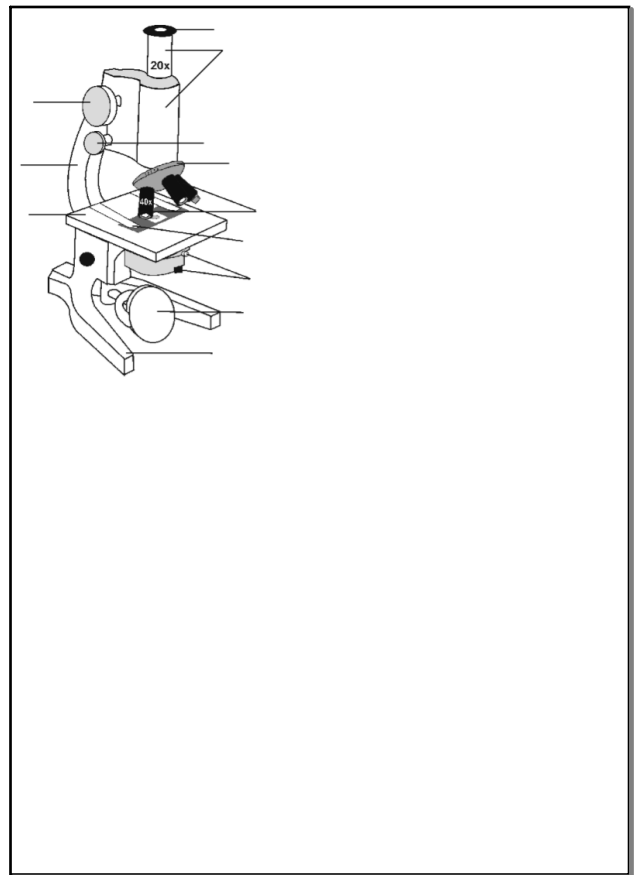


Nov 18-7:15 AM



Click to reveal

| | | | | | |
|----------------|---|----------------|---|------------------|---|
| $2 \times 2 =$ |  | $5 \times 5 =$ |  | $8 \times 8 =$ |  |
| $3 \times 3 =$ |  | $6 \times 6 =$ |  | $9 \times 9 =$ |  |
| $4 \times 4 =$ |  | $7 \times 7 =$ |  | $10 \times 10 =$ |  |

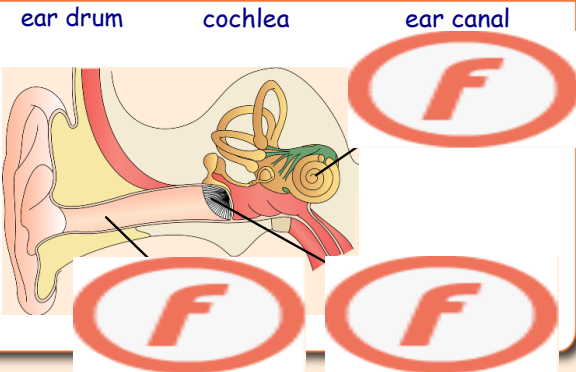
Click to reveal



Nov 18-7:16 AM

 **Label the diagram of the ear.** 

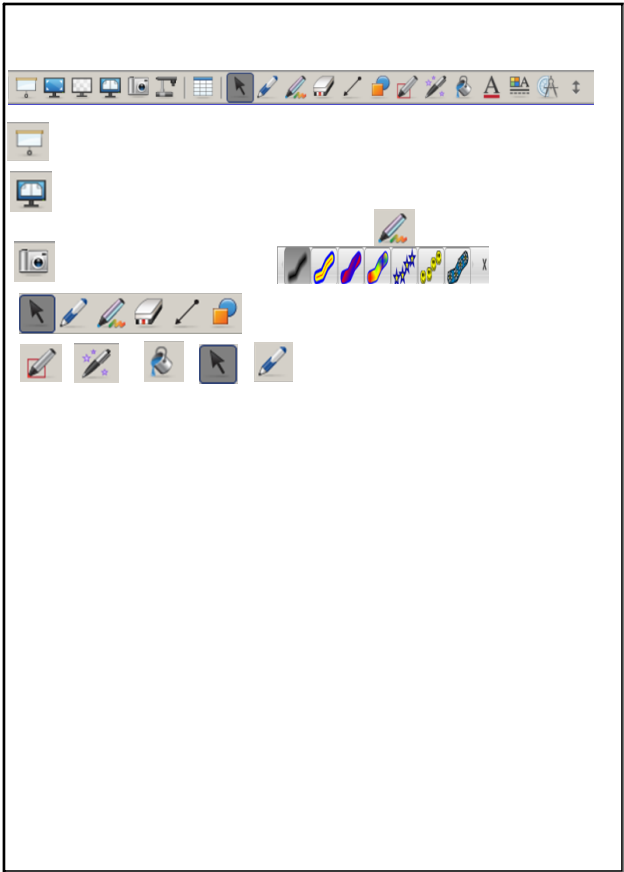
| | | |
|----------|---------|-----------|
| ear drum | cochlea | ear canal |
|----------|---------|-----------|



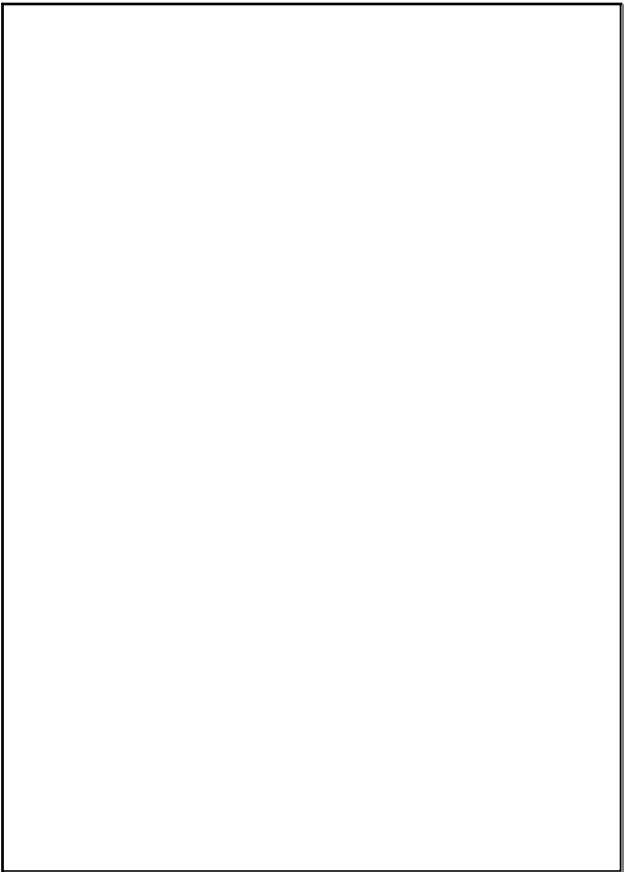
checker tool 1



category sort- image ex.



Nov 22-10:07 PM



Nov 18-7:20 AM

Attachments

The Big 6-Gr 6.ppt

Language Lesson for Ink Aware.doc

Big 6 Smartboard Ex.ppt

Word Ink Aware Practice.doc

SmartBoard - Raven's Gate.ppt

Big 6 Fill In.isf

Ink Aware Sample.xls

American Heroes.wmv

1 Import & Arrange F drive.doc

Student Passwords_6.xls

Big 6 Fill in blanks.isf

Customizing Tools.wmv

Exploring Space.docx