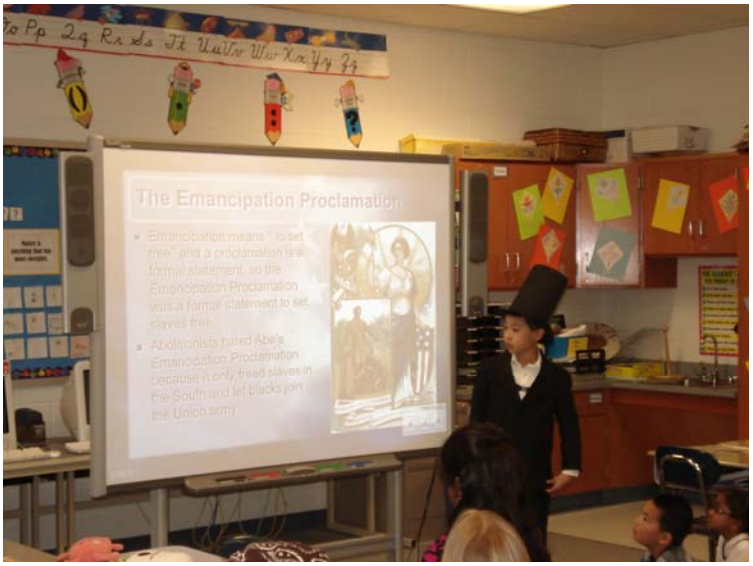
"21 Ways to Integrate the SMART Board in the Elementary Classroom"



Presenters:
Amy Orlando, K-12 Curriculum Supervisor
Ellen Davis, 4th Grade Teacher
Sean Mason, Special Education Teacher

Description: Are you looking for ways to develop more interactive lessons in your classroom? This workshop will demonstrate practical ways to integrate SMART Board software and technology tools into everyday lessons. The presenters include a teacher from special education, regular education and technology.

21 Ways to Integrate the SMART Board in the Elementary Classroom

Why SMART Boards?

During lessons you can connect and develop pedagogy, 21st century skills, hands-on activities, lesson planning and collaboration with this interactive tool.

1. **KWL/Brainstorming.**
   KWL charts are a beneficial way to assess throughout a lesson or unit. Use KWL charts on the SMART Board to revisit throughout learning. Text can be typed or items can be written using the SMART Board pens.

2. **Graphic organizers.**
   Having large and colorful visuals will help students categorize and retain information as well as develop study skills. Students can participate in creating webs around content therefore making their own connections about the learned objectives. (Ex: patterns, relationships, assessment, etc.)

3. **Use it with Kidspiration or Inspiration.**
   Develop main idea organizers with your students using images and text within the graphic organizer and outline tools. Draw, type, and create together on the board. The board is interactive with any application.

4. **Teach editing skills using editing/proofreading marks.**
   Students use Smart Board pens to learn editing marks and correct text. Sharing is much easier on the SMART Board, and everyone can review errors.

5. **Use highlighter tool.**
   Use a digital highlighter to focus on particular skills, parts of speech, or important text. Various colors are available for color-coding.

6. **Erase and Reveal-Promotes Higher Level Thinking.**
   Allow children to think about answers hidden on the board. Students then interact with the board and reveal correct answers.

7. **Use Gallery Tools.**
   Enjoy the built-in Gallery tools to create story maps, diagrams, pictures, and offer various additional resources for your students.

8. **Use pictures.**
   Insert a picture into Notebook. A picture truly is worth a thousand words. Use it as a story starter, allow students to infer what is happening, or draw conclusions from the picture.

9. **Teach students how to navigate the Internet.**
   The SMART Board provides an excellent format for teaching Internet navigation. The desktop is projected and easily seen by the whole class, and the index finger becomes the "mouse."

10. **Interactive maps to learn about our world and learn navigation.**
    Students learn and practice map skills using interactive websites such as Brainpop, National Geographic, and Maps4kids.

11. **Interactive math activities.** *(clocks, fractions, place value, dice, protractor, spinners, number line, tangrams, number lines, symmetry, etc.)*
    Use the Gallery in the SMART Notebook software to create interactive lessons that allow animated features to be utilized during math. Children learn to love math as they work with interactive protractors, spinners, clocks, and other tools. Watch dice roll on the board by a simple touch!

12. **Word Study Activity.**
    Weekly word sorts are developed within the SMART Notebook software. Students are able to sort words on the board under the correct category.

13. **Teach steps to a math problem.**
    Ways to solve math problems are broken down one step at a time. Problem solving becomes interactive and provides a tactile, bodily/kinesthetic experience.

14. **Use as a Math Station.**
    Small groups of students have independent, hands-on practice using strategies/algorithms already taught while the teacher works with other groups of students.

15. **Reinforce skills by using online interactive websites.**
    Utilize the SMART Board and Internet as a station during center time.
    (Ex: www.educationcity.com) You can also explore the world using online websites and virtual field trips.

16. **Save Notebook for future lessons.**
    Save the day's Notebook file for the continuation of future lessons, to revisit a KWL chart, or to allow absent students access to the previous day's class notes.

17. **Share presentations created by student or teacher.**
    Allow students to share writing projects to the class. Example applications include Print Shop, Kid Pix, and iMovie.

18. **Use Power Point for presentations and take notes directly in the presentation.**
    SMART Boards can be used by students to represent their work/research. Interact with your presentation and annotate slides for more powerful presentations. Storyboards for Power Point presentations can also be created.

19. **Create video files to teach a software application, a lesson, or as a review to be posted to the server or web.**
    Create a video file while you talk through the day's SMART Board lesson. It will record all your actions including voice, writing, Internet visits, etc. using the 'Record' feature.

20. **Download streaming videos.**
    Import and save video files to be used during SMART lessons. Watch your classroom come alive as you bring real-life examples to your students. Examples include Discovery Channel, National Geographic, YouTube, and TeacherTube.

21. **Do a review using multiple choice & Jeopardy game.**
    Use SMART Board tools to allow students to play interactive multiple choice games to review content and make important connections. Engage students as they play Jeopardy to review concepts learned during a unit of study.

Additional Ways to Integrate the SMART Board

- Generating questions for research: On the first slide in a Notebook file, record questions for research. Form a second slide titled “Right there” and a third “Inferencing Questions”. As a scaffold tool for your students, drag and drop research questions from the first slide to one of the other slides indicating what type of question students will be researching.
- Make your own background: Have students design background slides (example - one of each kind of studied habitat). Insert animal clip art (from the Collections Gallery).
- Assess student learning
- Show integration of different topics across the curriculum for a unit, lesson, or long-range plan
- Plot summaries
- Create cause/effect/solution diagrams to resolve social issues within the classroom
- Book design elements
- Illustrate digestive system
- Local government diagram
- Defining new terms
- Introducing a new concept
- Note-taking organizer
- Comparison activities
- Historical cause and effect
- Demonstrate cycles (recycle, weather, etc.)
- To construct a food chain
- Show map of where items are stored in desk, trapper, or locker
- To create a library orientation
- Language Arts: chart character descriptions, plot movement, and action that leads to the climax
- Create instructions for games
- Create picture charts that students can follow if they are communication impaired. Kids can follow picture symbols such as the symbols found on the Mayer-Johnson Boardmaker software.
- Help study and review for a test
- Create a classroom organization chart with associated responsibilities
- How to/step-by-step directions for learning new software
- Planning and implementing a WebQuest
- Documenting job responsibilities
- Planning a website
- Concept maps or printouts of Notebook lessons to send home to parents to help explain a unit so they can help their children study and review
- Assist cooperative groups in defining projects and dividing job responsibilities
- Flow charts for behavior plans for either the classroom or a specific student
- Similarities between different units through the use of the same structure in the graphic organizer
- A tool for students to identify when they do not understand information and identify the where the breakdown is in their comprehension

- To add more depth in a compare/contrast lesson. For example, identifying the important variables by color-coding or using another visual element, and then deciding if the variable is the same or different in the two objects of study.
- Develop procedures to follow during an emergency drill such as a fire or storm drill
- Lab procedure explanation
- To present lab conclusions and highlight important concepts
- In foreign language classes, create an organizer that shows the English word on one side and the foreign language word equivalent on the other side with pictures as hints.
- When studying a poem, in the center concept list the name of the poem and the connecting lines contain phrases from the poem. The subconcept explains the words in the phrase and the literary technique used such as personification.
- Scan book pages into SMART Notebook lessons
- Develop digital storytelling
- Create a project calendar
- Illustrate and write a book as a class. Use the record feature to narrate the text.
- Have students share projects during Parent/Teacher/Student conferences
- Graphics and charts with ESL learners and Special Ed students
- End each day by having students write one thing that they learned
- Have students create e-folios including samples of their work and narration

Helpful Links

http://www2.smarttech.com/st/en-US/Support/SBS/

☆ Downloads for SMART Notebook software. Here is where you start.

http://education.smarttech.com/ste/en-US/Ed+Resource/Lesson+activities/
Link to all SMART Board lessons posted on SMART Technology. Excellent resource to begin using lessons. You can tweak to your needs.

http://smarttech.com/trainingcenter/windows/trainingmaterials.asp
SMART Technology Training Sheets for PC

http://smarttech.com/trainingcenter/macintosh/trainingmaterials.asp
SMART Technology Training Sheets for Mac

http://its.leesummit.k12.mo.us/smartboard.htm
Lee's Summit School District Resources

http://www1.center.k12.mo.us/edtech/everydaymath.htm
Everyday Math Resources from Center School District

http://www.internet4classrooms.com/k12links.htm
Excellent resource for all content areas and grades in curriculum

www.educationcity.com
Resource shared in our demonstration for student practice

www.unitedstreaming.com
Website for Discovery Videos. 30 day free trial available. Amazing resources and search option.

http://quizhub.com/quiz/quizhub.cfm
Quiz Hub for review resources

http://technology.usd259.org/resources/whiteboards/smartlessons.htm
Wichita PS Lessons and Templates

http://www1.center.k12.mo.us/edtech/SB/archive.htm#3
Center School District SMART Board tips

Tips

With the eraser you can circle what needs to be erased, and then tap the middle of the circle to make anything inside the circle disappear

Export notebook files as a PowerPoint presentation, and then upload to Slideshare.net in order to embed them in your classroom blog.

Techniques

Erase and Reveal: This technique allows students to use the eraser to magically reveal hidden text and images within SMART Notebook lessons.

Magic Box: Students move text over a colored background and it reveals the correct answer.

Cover: Cover correct answers with same-colored rectangles, then to reveal pull them aside.

Magic Tunnel: Create columns with contrasting colors, then create a text box and change colors of words to the opposite color of the column you want it displayed in.

SMART Board Notebook Shortcuts

Ctrl+G - Group objects
Ctrl+R - Ungroup objects
Ctrl+K - Lock an object
Ctrl+J - Unlock an object
Ctrl+D - Clone an object
Ctrl+M - Insert blank page
Ctrl+PgDn - Send object backward
Ctrl+PgUp - Bring object forward
Ctrl+Shift+PgDn - Send object to back
Ctrl+Shift+PgUp - Bring object to Front

New technologies available:

1. Senteo

The Senteo interactive response system provides a direct wireless connection between you and your students. Now you no longer have to wonder if students understand what you've taught them. They can tell you with the click of a button.

The Senteo system includes a radio frequency (RF) remote for each student in your class, a central receiver, Notebook whiteboarding software and Senteo assessment software, which tallies student responses, records attendance, posts test results and provides individual feedback.

To assess student understanding, you can use a variety of question types including true or false, multiple choice, numeric response and more-than-one-right-answer. Decimals, fractions and negative numbers can also be incorporated into questions and answers.

The system allows frequent questioning and feedback, which engages students more actively in the material being studied. When the data is used to provide relevant in-class feedback, and to adjust instruction according to identified needs, then large gains in student understanding can be achieved. Feedback can be displayed in a bar graph or pie chart that statistically summarizes the student responses. Students send their responses privately, so they are free to answer without feeling judged by peers.

2. Flash tools

Flash technology promotes animation and interactivity. SMART Technology has added many new Flash tools that allow you to be creative in the design of your Notebook lessons.

3. SMART Notebook Student Edition

Created for the way today's students interact with information, there is a beta version being tested that enables them to organize their projects and complete assignments in a personalized and nonlinear format. An intuitive interface enables students to find and categorize their notes and manage their due dates with ease.

The software is also integrated with www.tutor.com, a tutoring and homework help service, so students can receive help with completing their coursework – anytime, anywhere and on any computing device.

So whether students are collaborating on shared computers, using PDAs, working on in-class activities or completing their homework assignments, SMART Notebook SE ensures they spend less time organizing and taking notes and more time processing and analyzing their lessons.