

# Imagining the Active Classroom

(A re-visioning of Serra 318)

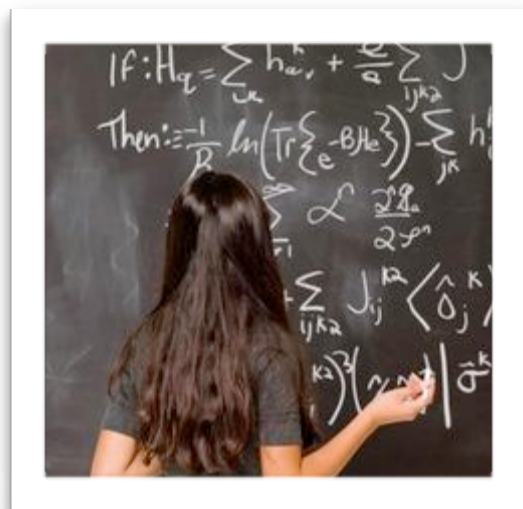
September 23, 2:30 - 3:30

Serra 318



"I NEVER TEACH MY PUPILS, I ONLY ATTEMPT  
TO PROVIDE THE CONDITIONS UNDER WHICH  
THEY LEARN" - ALBERT EINSTEIN

## Traditional Classrooms: chalkboard/whiteboard



## USD Camino Hall Renovations, 2011

- ✓ more whiteboards
- ✓ new technology
- ✓ new seating
- ✓ new light zoning
- ✓ new windows (January '12)
- ✓ new blinds (January '12)



## Flexible "Next" Classroom, Texas Wesleyan

History classroom transformed into "radically flexible room" with four themes:

- 1) Flexibility
- 2) Sensory stimulation
- 3) Technology support
- 4) "Decenteredness"

Furniture suggests informality

- ⇒ mobile lectern
- ⇒ mobile whiteboards
- ⇒ lounge chairs
- ⇒ ottoman with whiteboard top

Technology includes

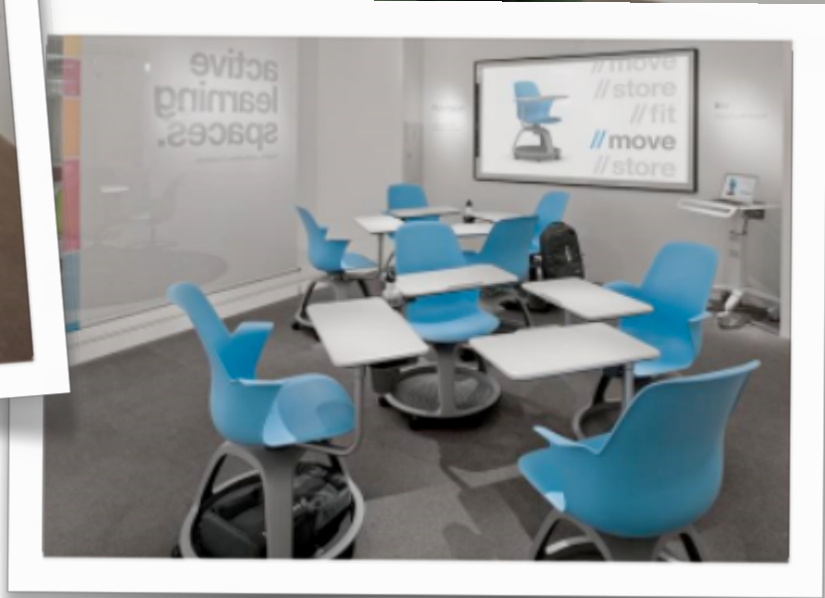
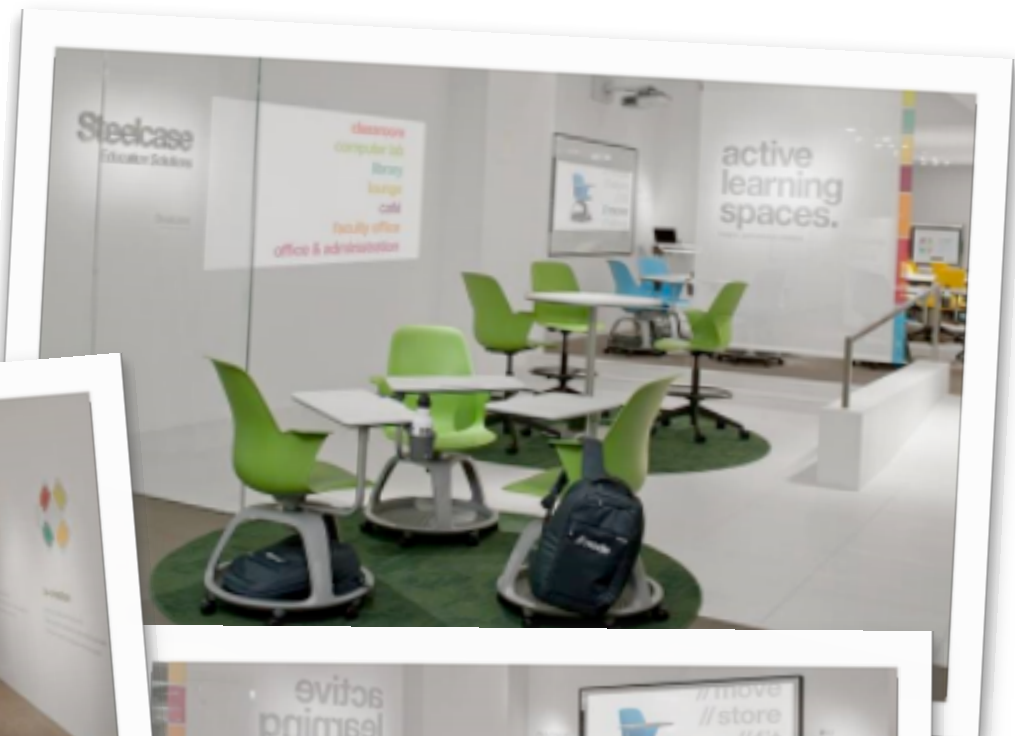
- ⇒ laptops
- ⇒ iPods



**Lounge furniture and Rubber-Tak bulletin boards for active learning and group presentations**



## Creative furniture arrangements for collaboration: node chairs



## Creative furniture and wall-to-wall whiteboards

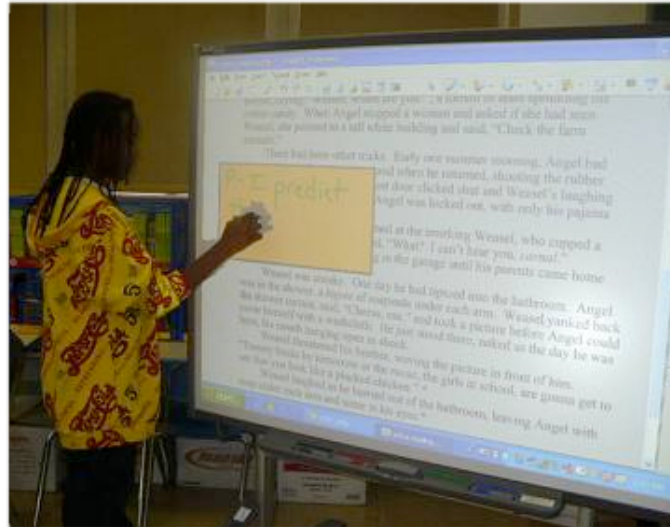
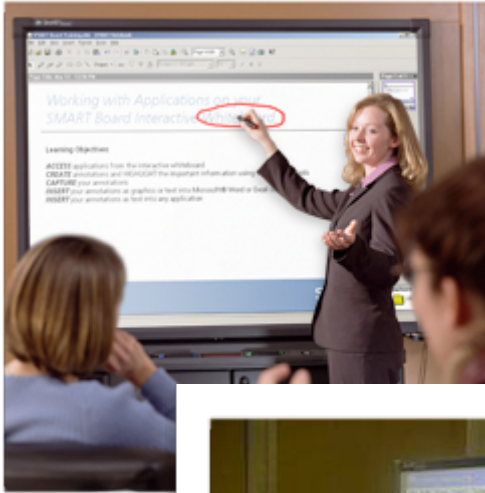


**Low technology:  
the Huddleboard**





# Higher technology: SMART whiteboards



## Active participation technology: the clicker





## Alternative technology: Twitter feeds in the classroom

**techyturner** @jdeyenberg I remembered that a bison is related to a yak and a yak is related to a musk ox which lives in very cold areas in Nor. Am=CA!  
1:49 PM Nov 20th, 2009 via TweetDeck in reply to jdeyenberg

**olliebray** @jdeyenberg A 'Muskox' - what UK mythical creature lives in a large loch, looks a bit like a dinosaur and has a Scottish accent?  
1:48 PM Nov 20th, 2009 via TweetDeck in reply to jdeyenberg

**hamtra** @jdeyenberg Wow. Look what I have learned today! Thank you.  
1:44 PM Nov 20th, 2009 via TweetDeck in reply to jdeyenberg

**hamtra** @jdeyenberg In 1909 six yaks were sent to Canada as a gift from The Duke of Bedford in England. (Musk Ox!!!)  
1:44 PM Nov 20th, 2009 via TweetDeck in reply to jdeyenberg

**techyturner** @jdeyenberg Is it a musk ox?  
1:43 PM Nov 20th, 2009 via TweetDeck in reply to jdeyenberg

**hamtra** @jdeyenberg Maybe it's this....  
<http://tinyurl.com/ygxu73j> ....lol Kidding.  
1:39 PM Nov 20th, 2009 via TweetDeck in reply to jdeyenberg

**hamtra** @jdeyenberg Yak, I think.  
1:38 PM Nov 20th, 2009 via TweetDeck in reply to jdeyenberg



## High technology and active learning combined




## Hiperwall system

- takes feeds from a number of devices and displays them in real time on a network of display
- La Sierra's classroom features 13 46-inch HDTV displays:
- display-wall management system



A three-by-three interlaced display wall is at the front of the room. Four other displays are scattered throughout the rest of the room.

## Hiperwall with Tidebreak software in practice



**No more laptop huddles around small screens.  
No more passing display connection cords around.  
No more scrambling for flash drives.**

Putting it all together...



## **WHAT CONFIGURATIONS OR OPTIONS SUPPORT ACTIVE LEARNING FOR YOUR USD CLASSROOM?**

- ✓ Lounge Chairs in a classroom or two?
- ✓ Flexible furniture arrangements?
- ✓ Decentralizing the instructor?
- ✓ Huddle boards?
- ✓ Pod chairs?
- ✓ Clickers?
- ✓ More whiteboards?
- ✓ More Smart whiteboards

### **Discussion of options:**

**Sue Lowery, discussion leader**

### **Questions answered:**

**Mary Whelan, University Design**

**Shahra Meshkaty, ITS**