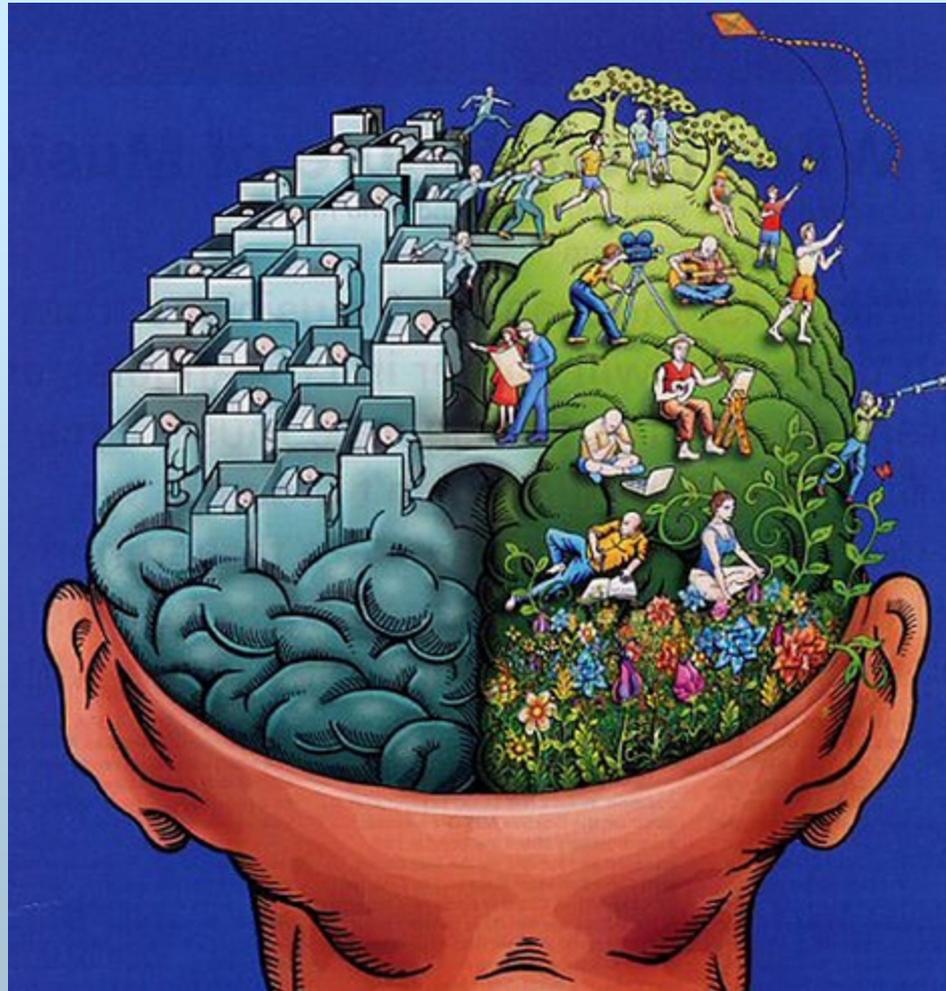


Brain Compatible Learning



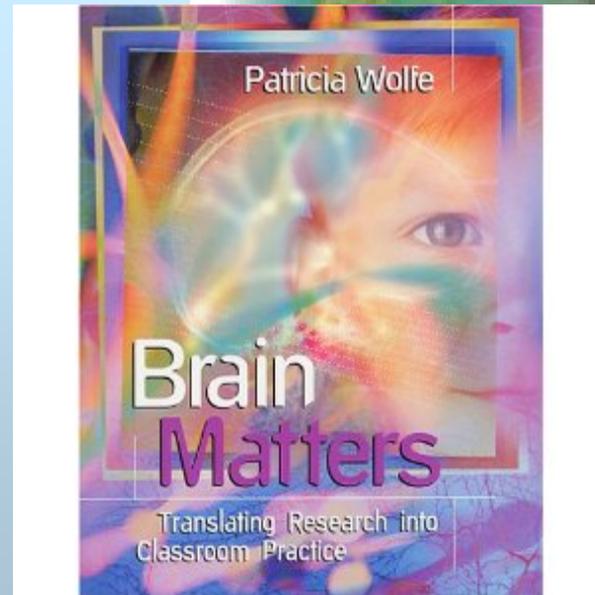
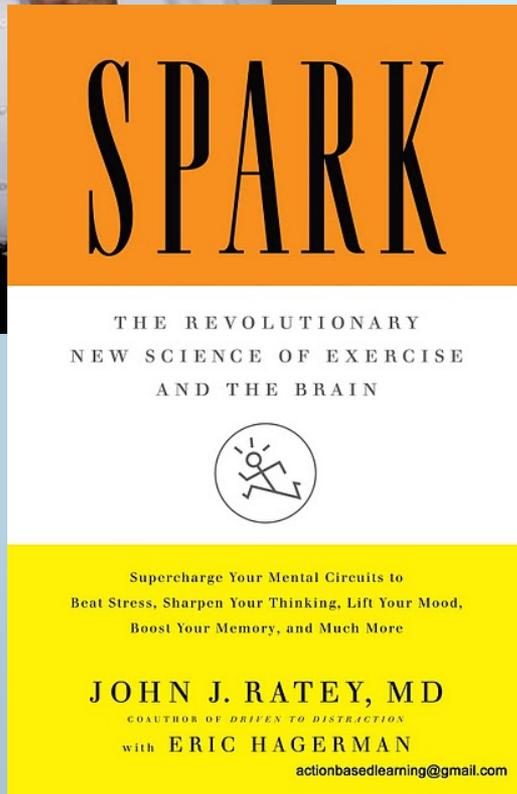
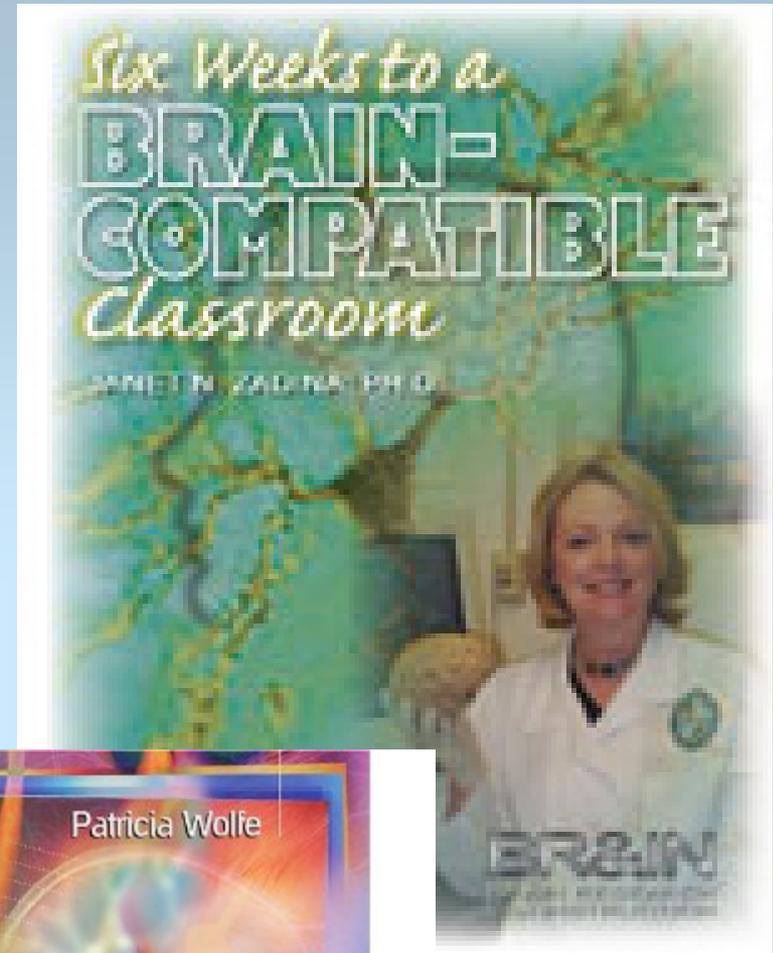
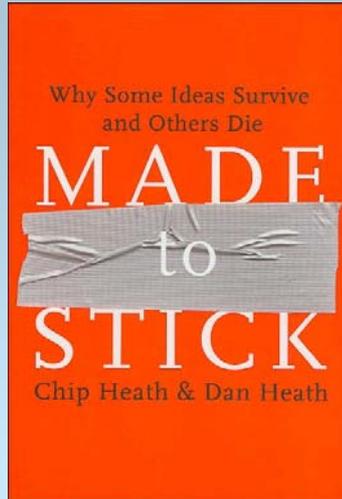
(cc) Image posted by TZA

“If you are in education, you are
in the business of brain
development.”



-- Dr. John Medina

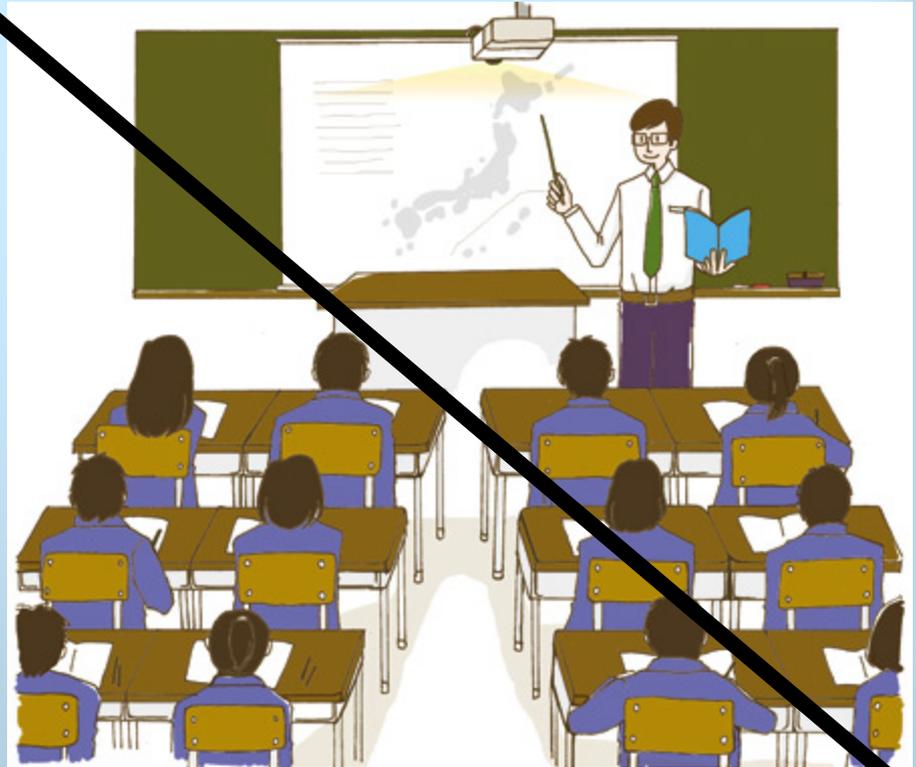




Overlapping Themes

- Movement/Exercise
- Multiple Senses
- Emotion
- Attention
- Repetition

Movement/Exercise



<http://www.slideshare.net/garr/brain-rules-for-presenters>

Movement/Exercise



gross motor

<http://www.brainrules.net/dvd-view/high/index.html>

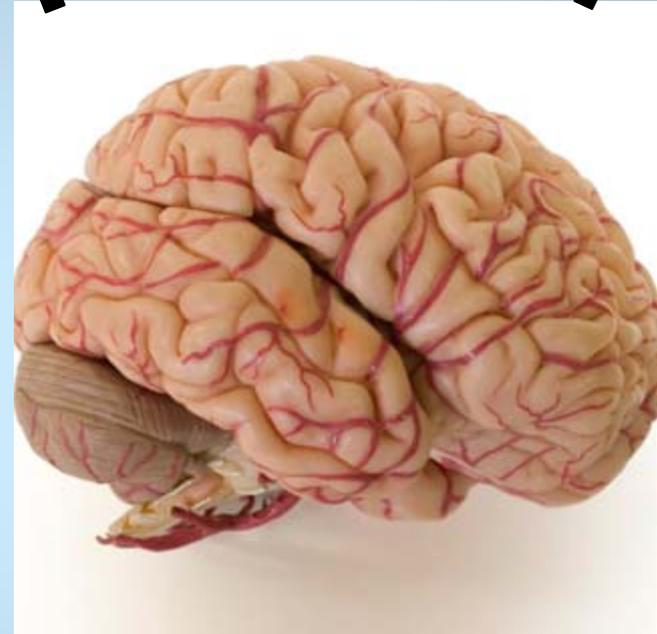
Multiple Senses

Old mode/



| | |
|---|---|
| <p>Auditory hearing</p>  | <ul style="list-style-type: none">• Narration• Audio-to-Text Correspondence• Sound Effects• Video• Record and Playback Activity• Oral Feedback |
| <p>Kinesthetic Doing</p>  | <ul style="list-style-type: none">• Interactive Activities<ul style="list-style-type: none">• Drag & Drop• Fill in the Blank• Rollovers (hide-n-seek info)• Record and Playback• Procedural• Printable Workbook (work as you go)• Job Aid |
| <p>Visual Seeing</p>  | <ul style="list-style-type: none">• Text-to-Image Correspondence• Visual Aids<ul style="list-style-type: none">• Images• Graphic Organizers• Simulation• Video• Bulleted Information• Color Coding (chunking) Information• Written Feedback• Printable Workbook• Job Aid |

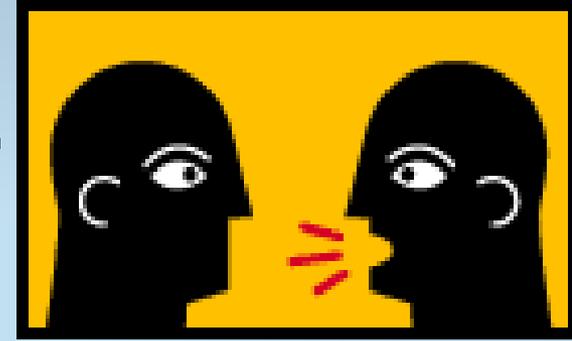
New mode/



Less 'labeling' and boxing in

Multiple Senses

Stimulate more of the senses.
(simultaneously)



Vision Trumps all other senses



<http://www.slideshare.net/garr/brain-rules-for-presenters>



Lots of text
over here.





Pictures and
text close
together



Animation



Think about...

- A time you were hurt by a good friend.
- Your favorite birthday party
- A time you won an award
- Your first friend
- A time when a pet died
- Your favorite and worst teachers' names

Emotion

Survival- pleasure, exploration, creative, problem solvers, social



(cc) Image posted by tiarescott

Emotion

Survival- pleasure, exploration, creative, problem solvers, social





Stress –

Emotion



Don't read the following words-
just **say the colors** they're printed
in and do this aloud and as fast as
you can.

Red

yellow

green

blue

red

blue

yellow

black

brown

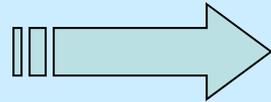


Cognitive Load





Emotion



Attention



Novelty

Movement

Interest

Attention

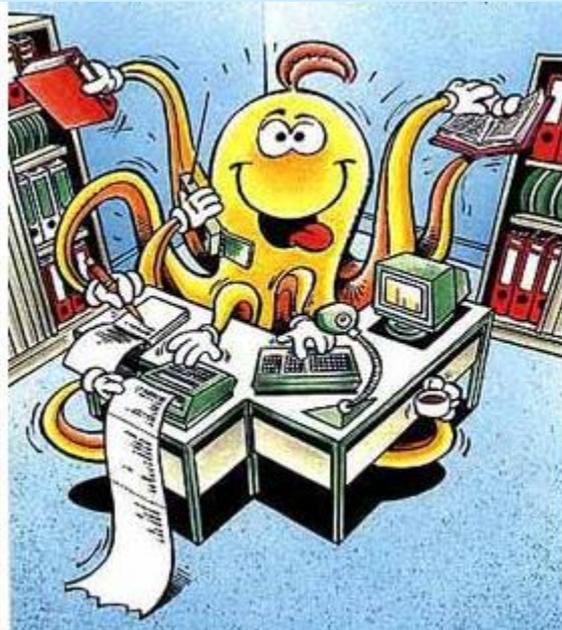
10 Minute Rule



Attention



Attention



Multi-tasking is a myth

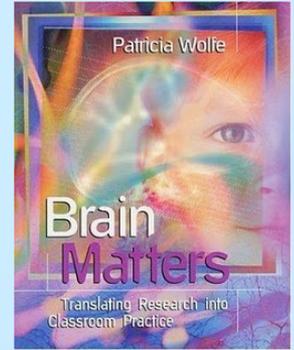
Repetition

- Rules 5 & 6: Repeat to Remember
- Spaced learning, not Massed Learning
- Mimic environmental conditions
- Mnemonics, chunking, song, rhyme



Overlapping Themes

- Movement/Exercise
- Multiple Senses
- Emotion
- Attention
- Repetition



brain
rules

