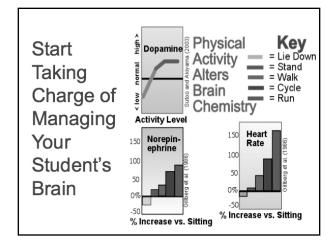


Tools for Engagement

The Science and Practice of Consistent Involvement of Nearly Every Student



Agenda



- ✓ What is the #1 Tool for Engagement?
- ✓ Engaging for Attitude Building
- ✓ Engaging for Cognitive Capacity
- ✓ Engaging for Effort Building
- ✓ Engaging for Better Behaviors
- ✓ Bonus Engagement Strategies

What's Your Goal?



W-I-I-F-M?	 	

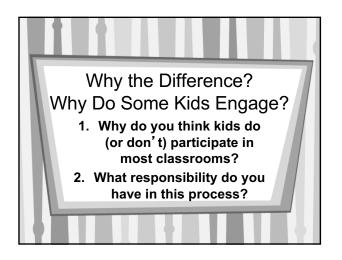
Format



- ✓ Observe and Experience
- ✓ Learn the "why" and "how"
- ✓ Discussion
- ✓ Practice the skill
- ✓ Make choices using the strategy

Feedback Survey is Online; Complete it and Receive a Free Gift

- Located at: www.jensenlearning.com/survey
- 2. May be filled out anytime today and for the next few days. It takes just 3 minutes.
- 3. Please send yourself an email now to remind yourself to take the survey
- When you complete the survey, you'll receive a free and valuable download "Top 10 Boosters of Student Achievement."



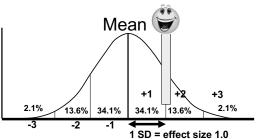
How Much Do You Matter?



Recent research suggests that in total, approximately 50-60% of the variation in the performance of students comes from their school experience with the remaining being due to genes, student background, home life or random influences.

SOURCES: Cuttance, P. (1998); Haycock, K. (1998); Wenglinsky, H. (2002); Rivkin, S., Hanushek, E., & Kain, J. (2005); Kane TJ, & Staiger DO. (2008); Hattie, JA, (2010).

How Do Effect Sizes Actually Translate to Real Student Gains?



The mean is the average; an effect size of 1.0 = 34 point percentile change in scores

Justily, German Economic Review (13); 299-289

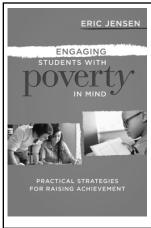
Does Strong Teaching Matter?

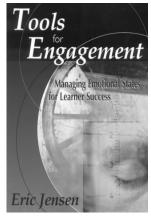
"If a student had a good teacher (one standard deviation of quality above the mean AYP)

as opposed to an average teacher for five years in a row, the increased learning would be sufficient to close entirely the average gap between a typical low-income student and a higher-income student (i.e. one not on free or reduced lunch)."

Bottom Line

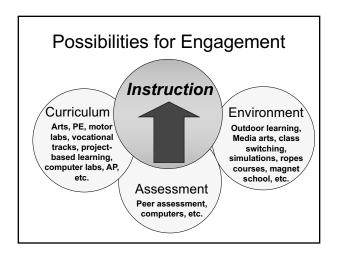
- The worst thing kids say is, "I am bored."
- · Engagement is correlated w/ achievement
- · Less engagement adds discipline issues
- Everything you teach can be engaging
- It takes mindset, strategy and practice
- You must let go of every single excuse
- Start w/ just 1, practice until automatic
- Add a new strategy every week and enjoy





Feedback Survey is Online; Complete it and Receive a Free Gift

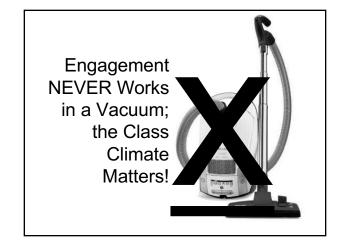
- Located at: www.jensenlearning.com/survey
- 2. May be filled out anytime today and for the next few days. It takes just 3 minutes.
- 3. Please send yourself an email now to remind yourself to take the survey
- When you complete the survey, you'll receive a free and valuable download "Top 10 Boosters of Student Achievement."



The Secret is...

...dozens of little things, <u>AND</u> just one big thing. Start noticing little things like timing, word choice, what was done before and after the activity, too. Most of what works is invisible to the untrained eye and ear. Let's now start with the little things.





Successful Engagement is Based on These Big Three "Invisibles"

1. Respect

You show respect _____, they give it to you. You cannot _____ respect, *only earn it.*

2. Relationship

Show _____ about them, first, before they will _____ about you.

Hope

You must never, ever, give up on them; they will sense it and ____ on you, too.

Summary

- 1. An engaging classroom does NOT mean you must be an entertainer or comedian.
- 2. Make class less like, "Stand and Deliver" and more like, "Dancing with the Stars."
- 3. When you constantly engage students, their understanding and recall goes up.
- 4. Your kids will enjoy class more, and they will act out less and you will reduce burnout.
- 5. Everything learned today can be used with little practice; but it only works if you do, too.

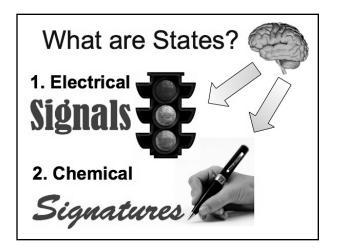
Insider Knowledge You Need!

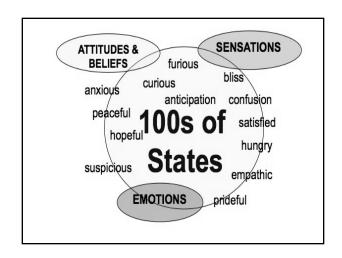
Here's how the brain's response systems work, the strategies for success and the exceptions to the rules

The #1 **BIG IDEA** is that

"STATES"

Are the Key to Engagement!





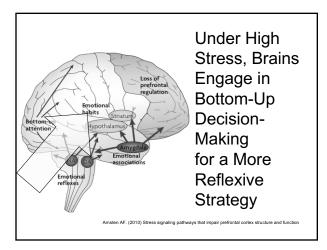
Why are States So Critical?

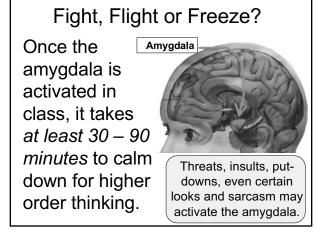


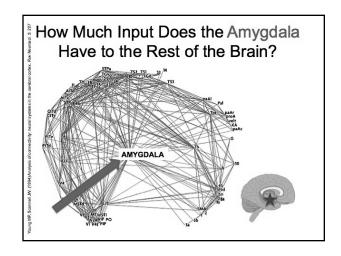
Complex
Learning Requires
Background
Knowledge,
Working Memory,
Processing Skills,
Long-term Retrieval
and Risk-Taking.
These all Require
Positive Learning
States.

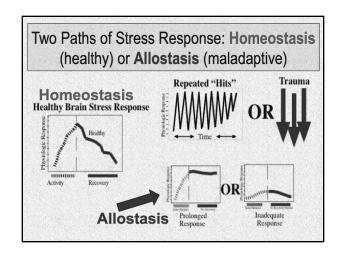
States

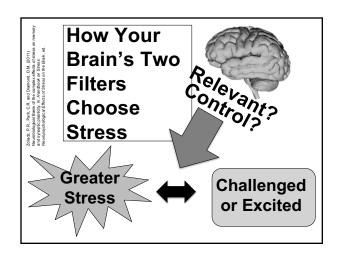
- States usually last for s_____ or minutes, moods last for hours or days.
- 2. We experience 1____ of states every day.
- 3. More states i_____ learning than help it.

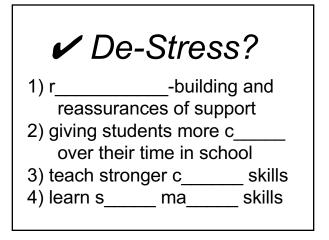












Qualities of States

- 1. States usually "run a c____" and one state will often lead to another state.
- 2. States are self-____; the longer you're in a state, the more comfortable it becomes.
- 3. We all range from being very flexible to very inflexible with our states.

Which States Do You Foster?

anticipation

- safety
- curiosity
- •trust
- confusion
- hope
- •confidence
- hunger to learn

- boredom
- •fear
- •isolation
- hostility
- •frustration
- despair
- insecurity
- disinterested

That's why...
There's No
Such Thing as
an Un____
Student... Only
Students in
Un____
States!



5 Takeaways for Today

- ✓ States: The #1 Tool for Engagement
- √ Engaging for Effort Building
- ✓ Engaging for Attitude Building
- ✓ Engaging for Cognitive Capacity
- ✓ Engaging for Better Behaviors

 Bonus Engagement Strategies

Student Effort Made Simple: What are Your TOP Tools?

1. _____

2. _____

3. _____

4. _____

5. _____



Fast-Track Relationship Builders to Jumpstart the Long-term Process

□ 1 and Done

Do 1 favor or connection or show of empathy SO powerful, *students remember it well*

☐ 2' for 10

Invest 2 min./day for 10 consecutive days with a student most "needing" a connection

□ 3 in 30

Discover 3 things (other than a name) about every student you have in 1st 30 days

3 Relationship Builders

✓ "Me Bag" Activity
(from teacher to the class)...
Share to the class 4-6 items that are
meaningful to you from a paper bag
✓ Writing assignment 1 (read 30 in 30 days)
(from student to peers)...
"What my peers don't know about
my life away from school."
✓ Writing Assignment 2

(from student to teacher)...
"What I wish my teacher
knew about me..."

Feedback! Your Favorites for Formative Assessment		
1 • 1		
2		
3		
4		
5		

Review Effect Sizes

Effect size is a standardized measure of the relative size of the gain (or loss) of an intervention.

0.00 or less = Negative effect

0.00 - 0.20 = Mild, unclear effects

0.20 - 0.40 = Small-moderate effects

0.40 - 0.75 = Moderate-Strong

0.75 - 2.00 = Strong to Extreme

Coe, R. (2002). "It's the Effect Size, Stupid. What effect size is and why it is important." Paper presented at the Annual Conference of the British Educational Research Association, University of Exeter, England, 09/12-14/02. Which of these two have a greater effect on student achievement?

1. "Good job." _____

 "I like that you refused to give up. That extra <u>effort</u> is the habit you need to get that job you wanted."

"S-E-A" Feedback =

✓ Strategy:

"Did I use (or switch to) the best strategy to succeed?"

✓ Effort:

"Did I use enough effort?"

✓ Attitude:

"Have I used positive self-talk and the growth mindset for this task?"

Attribution Says...

When you "attribute" cause and effect, the effect size is huge

➤ Link the behavior to **something you have done in the past**

Link the behavior to a probable future outcome, so you have a strong reason for today's effort

Add Attribution to "S-E-A" Feedback and Get

- "I loved how you tried many <u>strategies</u> on that problem until you got it. That may help you get into the college you want."
- "I like that you refused to give up. That extra <u>effort</u> may help you reach that goal of yours."
- "Before you began, you thought you could succeed. Bet that positive <u>attitude</u> helps you get the job interview you want."

3M Feedback = 1.13

✓ Mark:

"Where am I at right now?"

✓ Map:

"Where am I going?"

✓ Method:

"What do I do next to reach my goal?"



Viliam, D. & Thompson, M. (2007) "Integrating Assessment with Instruction: What will it take to Make it Work?" In The Future Assessment: Shaping Teaching and Learning, edited by C.A. Dwyer. Mahwah, NJ.: Lawrence Erlbaum Associates.

States Rule: All Behaviors 100% are State-Dependent

- To get the behavior you want, first notice what state they're already in.
- Then ask yourself if they're in a state that would allow them to say, "Yes."
- If not, change their state to a more receptive state *before* asking them for the eventual behavior you want.





All-Time Best Hungry States

- 1. Antici
- 2. Cur
- Suspi
- 4. Chal__
- 5. Suspe_
- 6. Perpl
- 7. Intri_
- 8. Conf__
 9. Skep
- 10. Inqu
- 11. Expe
- 12. Puz



How to Increase Buy-In for Skill-Building and Effort

Elementary: Be gross, use the "next grade up" challenge, simple privilege, extra curiosity, teacher enthusiasm, friendship-maker, and use mystery (a box, prop, or clothing change)

Secondary: Stair-step the activity, use peer pressure (use what last class did or teams), big challenge, status-climber, use positive relationship or make it a bit edgy or risky

To Boost Effort, Change States Here are 3 examples of how to evoke curiosity

- "Oooops! I just checked my watch. It is later than I thought. Please stand up."
- "Just thought of something...Please angle to your side and find a partner.
 Once you have found one, say, 'You are it!'"
- "Hey, you guys have been sitting WAY too long. Here is an idea. Everyone up!"

To Elicit Those Hungry States:

Use compelling questions...

- ✓ "Got a question for you...How many would like to finish up early today?"
- ✓ "Who would like to have choice on the topic you pick and who you work with?"
- ✓ "How many of you would like a new way to learn this much more quickly, plus still have fun doing it?"

GOAL: Put Everyone at your Table in "Hungry to Learn" State.

The most important state change you can do is from non-productive states into hungry ones.

Your Strategy: _____

What Have I Learned So Far?

Behavior-Building The TOP 5

4

2

3

4.

5. _____



Teachers who criticize, use negative attitudes and sarcasm as behavior management may activate the stress areas of the student's brain.



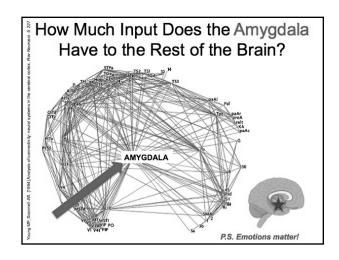
This activation alters the student's ability to think and learn.

Verbal Abuse Alters the Brain's Key Behavioral Pathways

1 2 3

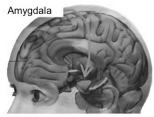
3 regions (noted in RED) had significantly reduced "outbound" pathways for neural information. These are associated with 1) drops in verbal IQ and verbal comprehension, 2) depression, dissociation, and limbic irritability and 3) anxiety.

Chal J. Borg B. Roham Mt. Polant Mt. (2009). Prelimitary ecidence for white matter tract abnormalities in young adults exposed to parentif verbal above. Biol Physically, 65, 227-34.



Fight, Flight or Freeze?

Once the amygdala is activated in class, it takes at least 30 – 90 minutes to calm down for quality learning.



Threats, insults, putdowns and sarcasm activate the amygdala

Open or Closed State?

In closed states, behavior is predictable; it's usually "No way" or "Whatever." To get a more positive response, shift the state first. Always think... "Better states get better results!"



To Get the
Behavior You
Want, You Often
Need a 2-Step
Process (State
change 1st,
then the
Behavior
Request)



As an Example...

Before asking students to go to another table, get supplies, stretch, or create a group... first, ask them to either:

- 1) interact with a neighbor
- 2) take a deep breath
- 3) use hands or feet, lead with action!

Get them in motion before you ask them to get going!



1. There is no such thing as unmotivated		
, only learners in		
states.		
2. More states are to learning		
than are supportive.		
3. If you don't like the state you are seeing,		
then you can		
4. Pay attention to open and		
states in your learners.		

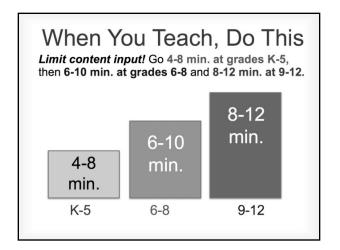
Strategies to "Pre-Engage"

"Take in a slow, deep breath...hold it...and now slowly...let it out."

"Please angle your chair to face three others, so now you' ve got a group of four."

"Let's vote. How many of you think option #1 is most plausible? Raise your hand."

involve, never stop!



"3P" Failing Responses

- Punishment Model Stop trying to get even or get revenge for how you believe you have been insulted, put down or hurt. Always say, "How do I help this student graduate job or college ready?"
- 2. Power Model Stop trying to show "Who's the boss?" Power is all about control. Your students HATE being controlled. Be an ally, not a dictator. Help students gain MORE control, not less.
- 3. Personally Taken Model Can you see the world from his (or her) point of view? It is not all about you; you've already graduated! Help students "figure out" how to survive in a healthier way.

3 Responses that Do Work

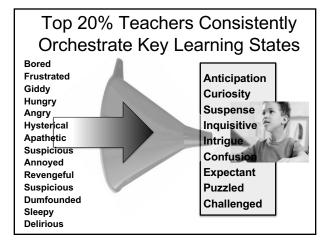
- Reinforcement Model Affirm what is good, not what you dislike. Affirm that you like WHAT is happening. "I love that you stand up for yourself. If you don't do that, life is hard."
- 2. Relationship Model Be an ally, not a dictator.
 "Now, some adults might not like HOW you stand up for yourself. But I will always be on your side to help you survive, stay in school and graduate."
- 3. Redirect Model Give students tools. "I'll give you 2 ways to get what you want without ever getting in trouble again. I'll show you right after class (WHEN). Are we good?"

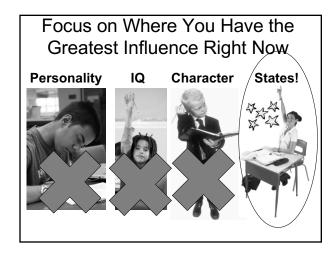
Managing Student States

Take on the role of proactively managing your students' states. Your students will learn more and misbehave less. The feeling of having more control over your day lowers your own stress. Now let's explore some strategies!









Affirm a Better Identity

- 1. Affirm the Content and Student Identity. "I love that you stand up for yourself. You show me your leadership and I like that."
- Use Social Tools "At our school and especially in our class, here's how we get what we want. You're a leader not a bully."
- 3. The Relationship Model "You're a good kid; after class, I'll show you how to bring out that leadership inside you. It will keep you out of trouble and help you graduate."

	neview on States	
1.	What are states?	
2.	States last for; moods can last for	
3.	States include the att, our emo and sen	
4.	States typically (but not always) to other states.	
5	The best teachers catch states	

6. Our behaviors are _____ dependent.

before things get _

Pavious on States

Engagement & Redirects: What Have You Noticed so Far?		

What Have I Learned So Far?		

5 Takeaways for Today

- ✓ States: The #1 Tool for Engagement
- ✓ Engaging for Attitude Building
- ✓ Engaging for Better Behaviors
- ✓ Engaging for Effort Building
- ✓ Engaging for Cognitive Capacity Bonus Engagement Strategies

Attitude-Building Made Simple: Your TOP 5 1. _____ 2. ____ 3. ____ 4. ____ 5. ___

Brief Activity Qs to Strengthen Positive Attitudes	
Bhei Activity Q3 to direngment oshive Attitudes	

Tail Winds Head Winds

Impact of H/T Understanding

- ❖ Headwinds get attention because 1) they vary and 2) have to be dealt with.
- ❖Tailwind benefits and resources may be enjoyed, but we habituate quickly.
- ❖Relevance of a person's headwinds is that some believe they have been treated unfairly and consequently, they are more inclined to notice them and habitually complain.

Identify and Share Nearly Invisible "Tailwinds" that Make your Life Easier



Examples include: community trends, a helpful partner, your ethnicity, access to Internet, friendships, having a college degree or certification, school leadership, white privilege, support, groups you're in, your family or students that appreciate you, books, ELL, socioeconomic class, etc.

Classroom Activity Qs to Foster Positive Attitudes	
	'

The Most Important State of All is... Your own state! Students respond to it constantly.

Manage Your Own State

Movement Plan lessons well

Relaxation Music you like

Less lecture, more student activities

Exercise Good nutrition

New Professional Development skills

Hydration Enough sleep

Yoga Snacks/munchies

Dress right (with good fitting shoes!)

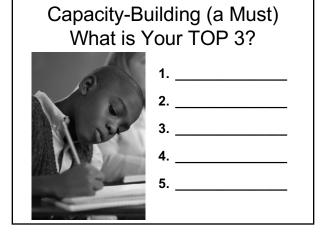
When you read
your student states well and
learn to elicit any state you
want, your teaching
transforms from
work into pleasure.
In the right state,
life is good.

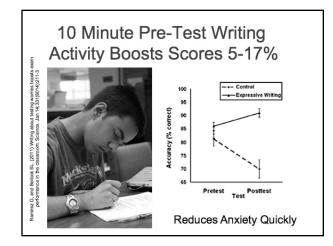
 Before you get a behavior change, you w want to get achange first. Once you learn how to influence syou can influence 	
3. All meaning-making and memories aredependent.	
4. Ultimately, empower your learners to manage their ow s	
5. The most important state in the classroom	n is
·	

SUMMARY: The Effects of States on Students		
☐ States are the split second "snapshot"		
☐ States affect cognition and behavior		
\square Poor states lead to less effort and		
discipline issues		
☐ Better states mean better learning		
☐ You can affect students states		
☐ Sometimes it takes two steps		

10 Positive State Shifters		







1. Rewrite a key phrase or quote in your own words

2. Write a gratitude

3. Reflection: "What I am mulling over now?"

4. Summarize the content in one paragraph

5. Make predictions based on content

Why do you think the 1st very BIG IDEA was all about states?
 Reflect on how this concept applies to your own work.
 Share an example of



Share an example of how this applies in your personal life.

hings

Which Factor, (When Tested at Age 5) is a *Far Greater Predictor* of Student Success at Age 11 than IQ?



- a) reading scores
- b) motivation level
- c) math scores
- d) attitude
- e) working memory



Heads-up! Here's what you personally can do to improve student achievement...

What Skills Matter Most for the Student's Academic Success?

- ✓ Processing
- ✓ Attentional focus
- ✓ Locus of control
- ✓ Memory (working)
- ✓ Prioritization
- ✓ Ordering/sequencing
- ✓ Deferred gratification

What is in Our Working Memory?



The content is... sounds, called a "phonological loop"

pictures, or visualspatial "sketchpad"

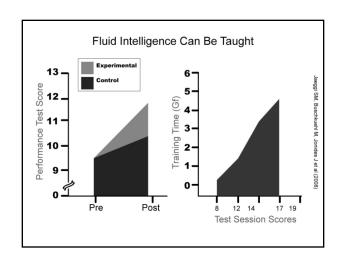
it is **held** for seconds or moments **AND**

it is manipulated or processed by our brain

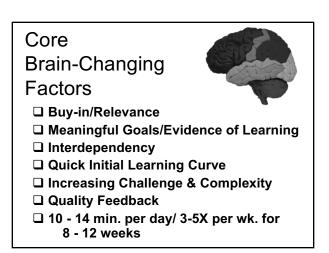
Working Memory

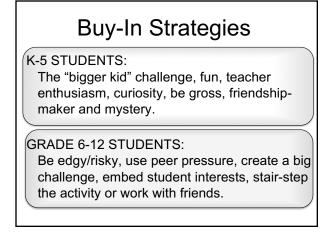
- ✓ Working memory is the driver of cognition. It's required for problem solving, language, math, prediction and every higher order process.
- ✓ Research shows that kids in poverty have weaker working memory.
- ✓ Working memory is a teachable skill. Give students practice in this daily.

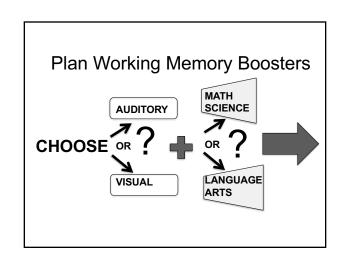
Working Memory and Math Correlation? Over 100 Studies Studies have demonstrated that working memory is a "launchpad" and top predictor in mathematics achievement in primary school age children.











Neuroplasticity is Remapping the Brain; Here are the Rules for Skill-Building 1. Students absolutely must b_____-i__ to it. 2. Skill must be coher_____ to the student. 3. Use increasing chal____ and comp____. 4. Students need a fast initial learning cu____. 5. Their brains need error-c___. 6. Students need ____ min./day, 3-5X a wk., 8-12 wks. 7. Once they get it right, they still need pr____. 8. Skill-building can be strengthened in which subject areas? _____.

Predictors of Student Success

- a) Attitude
- b) IQ
- c) Effort
- d) Vocabulary
- e) Working Memory
- f) Prior Year's Grades
- g) Class Behaviors
- h) SES of Parents
- i) Motivation

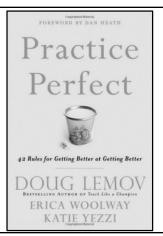
"I have spent over a decade leading several major projects to understand the link between brain function and education.

the #1 predictor of learning success."

Dr. Tracy Alloway, Journal of Experimental Child Psychology, 2012



If you don't practice, you'll never get better. Kids only achieve to the level and at the speed their teacher gets better. Practice is the "ticket" for you to help more kids graduate. Are you game?



Summary Thoughts on Working Memory

Review Time How the brain's response systems work		
1.	All behaviors are de on the st that one is in.	
2.	The path to engagement is through re and man states.	
3.	The longer anyone is in any state, the more s that state becomes.	

4. Your own s is as important as the

student's state.

	tudent Responses gies - 1
swer a m	choice

- Answer a m____ choice
- Break it into smaller ch for students to learn and present to peers
- Ask them to work together to fill in the bl

How to Boost Student Responses Strategies 2

- Ask students to n r off in a group and take turns answering Qs or commenting on then
- Rephrase or sum____ the content on the screen
- V____ on a choice and defend it

How to Boost Student Responses Strategies 3

- Work with a neighbor or team to critique or analyze a qu_____
- With a partner, problem s a situation that is posted
- Dr the learning out and share it with a neighbor

How to Boost Student Responses Strategy 4

- Never h out papers; let students come get them
- Stop leading stretch breaks yourself; allow st_____ to lead them
- Stop doing ene_____ yourself; allow students to come up with and lead

How to Boost Student Responses Strategy 5

- Use Qs for emotional pun
- Allow students to pair up, take s to defend a position for 30" then have to switch sides and defend the opposite
- Use "turn-tos" to af ideas or persons

How to Boost Student Responses Strategy 6

- Students "own" a new vo word each week and teach it to others every day.
- Students stop and do a 3 min. wr summary and share their ideas.
- Ask students to repeat a key word or phr____ right after you present it
- Hold a classroom hud

How to Boost Student Responses Strategy 7

- Students use hands to gesture an idea or process
- You use letter priming for key words so students have to figure them out
- Ask students to make a prediction, then record it or show it by spatial position

5 Examples to Activate the Learning

- √ Teacher prompt, student response
- √ Better directions
- ✓ Using gestures
- √ Framing the ideas
- √ Simple energizer ideas

1 2 3 4 5
LRBRL

7 8 9 10
RRBLR

Which Content Could I Use? Pre-assessment, Consolidate or Review?

5 Examples to Activate the Learning

- √ Teacher prompt, student response
- ✓ Better directions
- ✓ Using gestures
- √ Framing the ideas
- √Simple energizer ideas

6 Magic Steps



- 1. "set-up" or "buyin" framing
- 2. Time deadline
- 3. Trigger word
- 4. Directions 1 at a time
- 5. Check for readiness
- 6. Give trigger word

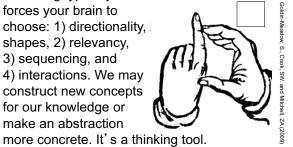
Exceptions to the 6 Directions Step List

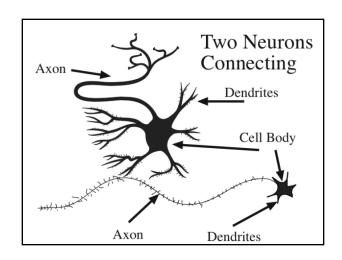
5 Examples to Activate the Learning

- √ Teacher prompt, student response
- ✓ Better directions
- ✓ Using gestures
- √ Framing the ideas
- √ Simple energizer ideas

Why Use Gesturing for Learning?

Gesturing typically forces your brain to choose: 1) directionality, shapes, 2) relevancy, 3) sequencing, and 4) interactions. We may construct new concepts for our knowledge or make an abstraction





Kinesthetic Math Works 3X Better: are nearly three times Use Gestures!



(Cook, SW et al., 2007)

Kids asked to physically gesture their math problems more likely than nongesturers to remember what they'd learned. In the study, 90% of students who had learned algebraic concepts using gestures remembered them 3 weeks later vs. 33% of speech-only students. And 90% of students who had learned by gesture alone with NO speech at all recalled what they'd been taught.

ZW.	*Braisom
- - -	
- - -	

5 Examples to Activate the Learning

- √Teacher prompt, student response
- √ Better directions
- ✓ Using gestures
- √ Framing the ideas
- √ Simple energizer ideas

Framing changes how we hear or view things... it's the bias or "why."



How to Frame?

- Research
 Compelling Questions
- Reasons Inspirational Stories

"Mom, I have good news and I have bad news. Which do you want first?"



Framing is a tool used to create an intentional bias

- 1. Having to change teams/groups
- 2. Must re-do assignment
- 3. Take a test early
- 4. Extra homework
- 5. Have to get up to do an activity

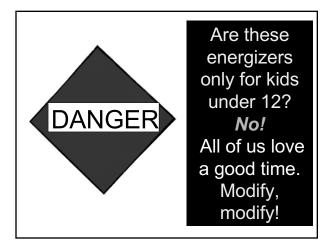
Getting students to do these joyfully may require framing

5 Engaging Examples to Activate the Learning

- √Teacher prompt, student response
- ✓ Better directions
- ✓ Using gestures
- √ Framing the ideas
- √ Simple energizer ideas

Energizers

- 1. Follow the Leader (content & social)
- 2. Cross Laterals (body/mind & content)
- 3. Ride my bus/car/train (movement & content)





Write down the answers

What has "sticking power" from today that you really liked?

Best Ideas from the Day		
1.		
2.		
3.		

Implement? When and Where:		