

Session Overview

#1 - Brains Change (for the worse and for the better)

#2 - Achievement Factors (learn which factors really matter)

#3 - Getting on Board (it's time for real change)

Let's Simplify... **A – B – C** 1. <u>Agree</u> on a clear, personal path 2."<u>Buy-in</u>" from yourself on the idea

3. <u>Commit</u> to implementation

Poverty Quiz (true or false)

- 1. Most poor are lazy and lack ambition.
- 2. Poor people value education about the same as middle class.
- 3. If you gave the poor money, everything would change.
- 4. The parents have got to do more for the kids to learn better.
- 5. Schools *already* do their part; it's now up to the kids to do more.





Bottom Line

- Kids from poverty are different
- Brains adapt to suboptimal conditions
- But brains can and do change everyday
- You can facilitate positive change
- For others to change, you must change
- It will take new decisions, made daily
- The poor <u>can</u> and <u>should</u> graduate
- It will take a 100% "no excuses" mindset

INSIGHT: What Do We Know About the Scientific Evidence of Poverty?



How are kids from low SES different from others? E-A-C-H Kid Deserves Better

Emotional Support Acute/Chronic Stress Cognitive Stimulation Health & Safety Issues

3 Emotional Keys

Attunement – to build the "emotional response keyboard"

Attachment – safe, trustworthy relationships builds faith in others

Emotional Punctuation – to help the brain identify what's correct (or not) and decide if it's worth saving



Are Emotions in Our DNA, Hard-Wired and Present at Birth?

Researchers use different terms and criteria to label *universal facial expressions, action readiness states, bodily engagement or neural firing.*



action states, gement iring. Anger, disgust, fear, joy, sadness, and surprise

Arnold, Ekman, Friesen, Ellsworth, Gray, Izard, James, McDougall, Mowrer, Oatley, Johnson-Laird, Panksepp, Plutchik, Tomkins, Watson, Weiner & Graham



This "quality time" provides the basis for learning the non-hardwired socially appropriate emotions.



Between ages 3 and 6 months,

infants in healthy families get daily





exaggerated emotion.

Infants ideally need 20-30 per hour for 12

hours a day. This is the foundation for socially appropriate school behaviors. Watching DVDs or TV won't substitute.





3 Emotional Keys

Attunement – to build the "emotional response keyboard"

Attachment – safe, trustworthy relationships builds faith in others

Emotional Punctuation – to help the brain identify what's correct, positive and worth saving

Why Positive Emotions Matter

Of all the things researchers have discovered about the value of quality relationships, one of the most surprising is that they are strong mediators of stress. *Good relationships diffuse stress and make your life easier.*



(Hart and Risley 1995.) • Get less quality time

and less *total* time from their parents or

home conversations.

caregivers--that's stressful.

Securely Attached? Not Usually

Children of Poverty are More Likely to... • Hear less responsive, fewer

supportive, less interactive

(Fields and Casper 2001.)

Trust and Attachment Issues for Low SES Children

Children of poverty were 50% more likely to experience physical neglect and 80% more likely to report sexual abuse than those of middle to upper SES-- very stressful to them! (Husey, Chang, & Koch, 200)



Emotional Support

A mother in poverty is less likely to provide the emotional support needed for proper developmental growth when she's *stressed* about her own health, safety, bill-paying, hunger and housing prospects.



3 Emotional Keys

Attunement – to build the "emotional response keyboard"

Attachment – safe, trustworthy relationships builds faith in others

Emotional Punctuation – to help the brain identify what's correct, positive and worth saving



Emotional Punctuation in Language

 Study used two half hour sessions with 30 infants and their mothers.

 Half the mothers were asked to smile, move closer and touch their infants ONLY AFTER the infants vocalized. The control group of mothers did the same actions, but randomly.



The study reported that the group of infants who had emotional punctuation learned much faster.

Emotional Punctuation is "Memory Marker" · Event + positive emotions = better memories Home and classroom might include these:

verbal affirmations, smiles, physical gestures, head nodding, positive comments, positive music, celebrations,

use of name or pre-set celebration rituals

Using Emotional "Markers" **Reduces Re-teaching Time**



Your student's brain will either "mark" the newly acquired information as "worth saving" or "let it go" and fail to encode it. "Markers" include smiles, gestures, comments, music, affirmations and use of names. Teachers are the determining factor of how much re-teaching is needed. not the kids.



activation student's and learn.





down for quality

learning.

Threats, insults, putdowns and sarcasm activate the amygdala

How we feel is what's real. It's the link to what we think.



"Great theory! But what do we do?"

Those in poverty typically have "dysregulated" emotional systems. Staff must teach a healthy range of emotional responses, build and strengthen affiliations, relationships and use emotional punctuation.

Discussion Time

- 1. What was reinforcing to you? (content that you already knew)
- 2. What was fresh, novel and new to you?
- 3. Given what you now know, what does this suggest you might do differently in your work?

E-A-C-H Kid Deserves Better

Emotional Support <u>Acute/Chronic Stress</u> Cognitive Stimulation Health & Safety Issues

Chronic Stress Effects... T or F?

- 1. Creates emotional problems (T or F) (Burgess et al. 1995)
- 2. Lowers IQ, reading scores (T or F) (Delaney-Black, et al. 2002)
- 3. Drastic memory loss (T or F) (Lupien, et al. 2001)
- 4. Shortens dendrites (T or F) (Cook and Wellman, 2004), (Brown, et al. 2005)
- 5. Causes neuron death (T or F) (De Bellis, et al. 2001)
- 6. Fosters inappropriate attachments (T or F) (Schore, A. 2002)

✓ <u>shtras</u>sh/aff)d Distr is healthy for us!

- ✓ <u>Distress</u> (chronic) is toxic to our brain and body!
- ✓ Low SES children are exposed to: 1) more stressors, 2) more intense and longer lasting stressors, and 3) have fewer coping skills than their higher SES counterparts.



Evans, G.W., Kim P. (2007) Childhood poverty and health: cumulative risk exposure and stress dysregulation.













Effects of Allostatic Load	 Distress is linked to >50% of ALL absences and causative in 17%. (Johnston-Brooks, et al. 1998) Distress affects attention, focus and concentration. (Erickson et al. 2003) Increased allostatic load impairs cognition, creativity and memory. (Lupien et al. 2001) Social judgment skills are diminished. (wommack et al. 2004) Early life distress may create lifelong health problems. (McEwen 2003) Distress reduces neurogenesis, memory and accelerates aging. (DiBellis et al. 2001) 	
----------------------------	--	--











Can You Change Your Own Altered Allostatic Load?



Yes. It takes time, focus and intention. Otherwise the brain will continually reset itself to the last "setting."



Leisure De-Stressing

Lower SES families are less likely to have opportunities to de-stress such as:

1) longer vacations, fun experiences

- 2) restaurant meals,
- catering, splurges 3) massage, spa
 - therapy, Jacuzzi®

"Great theory! But what do we do?"

Those in poverty typically have "dysregulated" stress response systems. You must: 1) give kids appropriately increasing amounts of control over their lives at school and 2) teach coping skills.

Discussion Time

- 1. What was reinforcing to you? (content that you already knew)
- 2. What was fresh, novel and new to you?
- 3. Given what you now know, what does this suggest you might do differently in your work?

E-A-C-H Kid Deserves Better

Emotional Support Acute/Chronic Stress <u>Cognitive Stimulation</u> Health & Safety Issues





Cognitive Stimulation and Poverty

- 1. Kids need more than exploratory opportunities
- 2. They need novel, environments with variety of human (not-electronic) activities
- Television is unfriendly to the developing brain







Ideal Home Support for Reading Includes: 1) material available, 2) being read to often, and 3) accurate evaluation.



Low-SES homes get less of all 3 above. Mothers were also less accurate in evaluating and mediating their children's emergent reading levels compared with higher SES moms. Korat, & Hagilii (2007)





Poor are less likely to have these learning resources:

- 1. computers to access the internet or chat rooms for homework help
- 2. a den or library with 100's of books around the house
- 3. a library card, a membership in the local Boy's or Girl's Club
- 4. an older sibling who is doing well enough in school to tutor him/her

Which parents are more likely to: 1) know their child's teachers by name, 2) accurately identify their child's best and worst subject, and 3) know how well their child is performing in classes (Baker & Stevenson, 1986)



- a) Poor b) Middle
- class
- c) Wealthy

Poor families cannot afford these options: "Extras" for

- ✓ quality child care
- stimulating toys
- recreational books
- team uniform costs \checkmark
- ✓ school supplies
- team travel costs
- scouts or summer camp \checkmark
- private music/dance lessons (Posner & Vandell, 1999; Sherman, 1994.)



Learning



If It Was True, It Would Mean That We Could Grow and "Rewire Ourselves During Our Own Lifetime!



11













The 5 Most Likely Brain Disorders for Low SES Kids

- 1. Stress (GAD, LH, PTSD o Depression)
- 2. AD/HD (and ADD)
- 3. Learning delays
- 4. Attachment
- 5. Dyslexia



"Great theory! But what do we do?"

Those in poverty typically have under-developed and under-performing brains. To be effective, school must provide enriched skill building targeting executive functions.

Discussion Time

- 1. What was reinforcing to you? (content that you already knew)
- 2. What was fresh, novel and new to you?
- 3. Given what you now know, what does this suggest you might do differently in your work?

E-A-C-H Kid Deserves Better

Emotional Support Acute/Chronic Stress Cognitive Stimulation Health & Safety Issues

Children born to lowincome families are more likely to:



- be low in birth weight
- have other disabilities such as asphyxia and fetal alcohol syndrome

Health Issues Affecting the

Developing receive poor prenatal Care (Bradley and Corwyn, 2002). (Bradley 2002). Brain

More Toxic Exposure

• Lead

Unsafe lead levels are 4X higher in children from low vs. high income families (Brody et al. 1993)

Poison

Have more exposure to cigarette smoke (Childstats 1999)

Hazards

Greater exposure to environmental hazards (cleaners, tobacco, paint, drugs, smog, etc.) (Suk. et al. 2003)





"Great theory! But what do we do?"

Those in poverty often have exposure to unsafe and unhealthy living conditions. School absolutely must be a safe and healthy place. Enrichment can mitigate the toxic effects on the brain.



Brains of Poverty Will Be Different!

The good news is... Brains are also designed to adapt to positive experiences









































The "Academic Brain"



- ✓ Kids are not been an "A" student
- ✓ Specific skill stars have to be developed
- ✓ Catastrop s nee o be avoided
- ✓ Certain € penences leed to happen
- ✓ The branchat does will in school has "sculpted by life" over time

Student Achievement with Low vs. Highly Effective Teachers Low-achieving students gain an average of 14 percentile points with the least effective teachers. By contrast, the most effective 14pts teachers produce average gains of 53 With With percentile points with Least Most Effective Effective low-achieving students Teachers Teachers

Can an Enriching Change in Everyday Environment Raise IQ in Low SES Students?

+19.5 IQ in Best cases +13.9 overall

Baseline

(<86 IQ)

E, Fask D.

Rhemtulla M

icker-Drob EM,

65 low SES children were adopted between 4 and 6 years of age, all with an IQ <86 before adoption. After eight years, the average overall IQ gain was13.9 points, and the gain was as high as 19.5 points in some children. Duyme et al. (1999).



How Much Do Genes Matter in Children From Poverty?

Using results from a sample of 750 pairs of twins, researchers said, "At age 2 years, genes accounted for nearly 50% of the variation in mental ability of children raised in high-SES homes, but genes account for **negligible variation** in the mental ability of children raised in low-SES homes."



Secrets of The Human Brain

Kids from poverty bring challenges, but also opportunities.



The worse off the student, *the greater the capacity for change*. Brains are built to change. Remember, it's *much easier* to bring a kid from 80 IQ to 100 than from 100 going upward.

Can Brains Change for the Better?

1) If so, are there schools that reflect this potential?

2) What would it mean to me to know they exist?

Another Elementary Success

- K-5 school on the north side of San Antonio
 100% free and reduced
- breakfast and lunch
- 95-98% children of color
- Went from bottom 25% in state to top 25% in state tests
- National Blue-Ribbon School



Another Secondary Success

- Middle & high school with 100% poverty has 94% students of color
- One of America's Top 100 schools
- School has daily
- attendance rates of 95-98% • Graduation rates
- Graduation rates are over 98%



Discussion Time

1. What would you say to other staff who say, "You cannot do anything with these students. They are often tardy, disrespectful, angry or unmotivated."

20165 Let's brainstorm

The Research Says

- · School climate matters
- Building positive attitudes is critical
- Engagement is a must
- Relationships matter
- Teaching "how to" skills is
 essential
- Staff that collaborate to do these things, over time, will succeed



Session Overview #1 - Brains Change (for the worse and for the better) #2 - Achievement Factors (learn which factors really matter) #3 - Getting on Board (it's time for real change)





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



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

- ✓ Processing
- ✓ Attentional focus
- ✓ Self-control
- ✓ Working memory
- ✓ Prioritization
- ✓ Ordering/sequencing
- ✓ Deferred gratification



✓ Attentional focus





Skill Building Insight

✓ Every subject is the perfect vehicle for strengthening academic skills.

✓ When we over-focus on mastering content, we don't make time for skill development and it loses out.

✓ Every staff needs to collaborate to discover not IF, but HOW, WHERE and WHEN, they'll do this.







First, Increase Buy-In

K-5 STUDENTS:

Use the "bigger kid" challenge, simple reward, teacher enthusiasm, curiosity, affirmation, friendship-maker, be gross and use mystery.

GRADE 6-12 STUDENTS:

Be edgy/risky, use peer pressure, challenge, stair-step the activity, cooperative, statusbuilder, experimental and use relationship.

Working Memory

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



Stress Impairs Memory

- Chronic stress impairs working memory.
- Acute stress impairs working memory.
- Chronic and acute stress impair neurogenesis, which regulates learning, memory and mood.

Working Memory and Math Correlation? Over 100 Studies

Studies have demonstrated that working memory is a mediator and top

- predictor in
- mathematics
- achievement in
- primary school age
- 🖁 children.



Solutions to Working Memory Limitations in Students

- 1. Use the "pause" technique. Every few minutes, pause to let content sink in.
- 2. Chunk content into smaller chunks to aid understanding, then review.
- 3. Prime the learning to create an attentional bias to the content.
- 4. Do a fast physical activity 1st to activate frontal lobe uppers like dopamine and norepinephrine.





Strategies for Working Memory

- 1. Call-response s_
- 2. G_____ (Simon Says, cards, etc.)
- 3. Cl____ repeats
- Repeat the d_____
- 5. Partner/group practice w/# add-ons
- 6. Repeat prior e_____, then add a sound, word, or sentence
- 7. Partner, buddy or teacher speaks, student wr_____ the content



Interventions Enhance Short-Term Memory in Stressed, Low SES Kids Short term memory is diminished by shortterm stress and

chronic stress. (Newcomer, et al., 1999). (Evans and Schamberg, 2009). But parental training in cognitive skills improved infant outcomes.

(Bugental, Schwartz and te Lynch, 2010)



teachable skill in kids from low-income families!

Working Memory is Free, Easy to Build and It's a Teachable Skill

Klingberg T, Fernell E, Olesen P, Johnson M, Gustafsson P, Dahlström K, Gillberg CG, Forssberg H, Westerberg H (2005)

If You Don't Teach It, Don't Punish Kids for Not Being Good At It.











Building Attentional Skills

- Partner and teamwork on rapid, detailed learning projects
- Theater, drama or dance lessons
- Specialized co_____ programs that focus on skill-building (or games like Play Attention, etc.)





"What's different?" activities

Attentional Focus is Free, Easy to Build and It's a Teachable Skill



1) Make the Content More Engaging and Relevant **Or**, 2) Teach Students How to Develop This Skill.

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

- ✓ Processing
- ✓ Attentional focus
- ✓ Self-control
- ✓ Working memory
- ✓ Prioritization
- ✓ Ordering/sequencing
- ✓ Deferred gratification

Brockton Public High School • 4,200 Students • Title 1 "Failing" school • Collaboration among staff resulted in a school-wide

program to boost sequencing, processing, memory and thinking skills by using a writing emphasis.

- Failing rates in math fell from 77% to 15%
- Failing rates in reading fell from 44% to 5%

How to Maximize the Value of Any Skill-Building Activity

- 1) Get *critical b_____* for focused attention!
- Suppression is more important than the activation; tr and e learning is a must!
- Use continual boosts in task challenges with *inc_____* from baseline.
- 4) More time on task = greater permanence; use 5-55 min./day, 3-5x/wk. for ____ weeks.

Low SES kids (and others) need specific, customized, monitored skill-building activities for 30-90 min./ day. Unless the entire inclusion class is doing the specific skill-builders, kids will not get these skills from simply joining an inclusion class. A hybrid schedule (some of each) usually works best. Make skill-building a priority!

Inclusion vs. Pullout Classes





Skills Matter, But What <u>Affect</u> Will Ensure Academic Success?

- 1. Hope to fuel long-term effort (they must feel the *end point* is <u>possible</u>)
- 2. Growth mindset (belief that *the process* is possible and desirable)

Hope mobilizes our resources. When we believe that success is possible, we try harder and we explore more options. We focus on results, not excuses. We work with, not against the teacher.



Hope May Be the Single Most Essential Ingredient

Hope is positive expectancy. It improves brain chemicals. That increases mood and persistence, which increases the results. Even if you do



everything else right, if the student doesn't think you believe in him/her, you'll lose ground. Most of these kids have had enough negatives. *They need real, persistent hope.*

If You're Offering Only Content Without the Positive Mindset and Skill Sets, Your Students May Struggle; it Takes the "Whole Package"

 ✓ Build Skills
 ✓ Build Attitudes



These are powerful capacity builders!



How to Fuel the "Growth Mindset"

• Affirm effort, not talent. ("I like how your hard work paid off!")

• Teach students that the brain is malleable; it can change through efforts and IQ is not fixed.

• Tell success stories about those who overcame obstacles through effort and strategy, not through genetics or family connections.

The "Growth Mindset" Raises Math Scores Two groups of 7th graders (N = 373) were tested. The experimental group was taught that IQ is malleable, given affirmations about effort, attitude and strategy. The control group had typical teaching. Over two years later, the control group continued downward, while the "growth mindset group" had higher test scores.

Why You'll Want to Build Each Student's Growth Mindset

- Research suggests it is a *core attitude* for cognitive growth
- It is *teachable* and available to every student on your campus
- The focus is on attitude, effort and strategy (NOT luck, genetics, friends, or family money)







What are Accommodations?

Accommodations are not a special gift, a bonus, extra or an unfair advantage. What they do is to "level the playing field." They create equal and fair access. You would never be critical of a student who needs to sit in a wheelchair in your class. But how do you feel about students who have a disability like a stress disorder or AD/HD? How about students who lack reliable food, transportation or supplies? Accommodations simply make things more fair.

Key Factor: Accommodations

Kids from poverty are more likely to have challenges with:

- a) Transportation
- b) Medical/Health issues
- c) Parental support
- d) Prioritizing academics
- e) Short-term memory
- f) Anything that costs money
- g) Emotional/Social regulation
- h) Organizational skills/supplies



Students are Hard-Wired to Affiliate, Seek Acceptance, and Prefer Peer-Bonding Yet much of their day they are disciplined for talking, texting, joking, (2010 sms u

passing notes,

- bonding and
- seeking
- Lewis GJ, L biological friends.



naturally works, the kids will start learning and quit annoying you!

The Social Brain Runs Your Kid's Lives! But How?

Baby's job #1 finding and managing relationships (=security) Children job #2 acceptance by peers (=socialization) compete with peers (=pursuit of status)





Relationships Checklist...

- an assigned mentor for every student (or were you going to wait until they drop out?)
- a collective school "family" (the first class of the day is perfect for this)
- a team/group or club to belong to (teams create a sense of belonging)
- an activity for each student to learn names and more of every student in class (they won't likely do it on their own)

Quality Relationships Provide a "Margin of Error" for Teachers



Relationship & Status Builders

- ✓ Call students by last name: "Mr. Jefferson" or "Ms. Wilson" to learn and earn respect.
- ✓ Rotate (and reframe) classroom jobs so everyone can get status roles over time
- ✓ Create directory of all students that lists positive skills and/or qualities
- ✓ Honor and appreciate differences
- ✓ Include students more in the running of your class and school (planning, eating lunch, etc.)



Quit Inhibiting Student Pursuit of Social Status! Instead ...

 Encourage pursuit of skill sets that will lead to academic success (e.g. arts, sports) •Encourage ethnic pride Encourage activities which help students feel special (positions of leadership,

showcase unique talents)



Status and Affiliation are Critical; If You Don't Provide Them Your Way, Students Will Get Them *Their Way!*

You've got a choice: build relationships, affiliation, engagement and status in ways that you choose every day ...

OR

Deal with students who give up, act out, disrupt your class or even join gangs.

K-2 level	Invest
1. Relationship building	Time in
Grades 3-5	Your
1. Relationships	Students
2. Affiliation	Differently
Grades 6-12	as Their
1. Relationships	Social
2. Affiliation	Brain
3. Status-building	Matures





What builds the brain and what reduces damage? Major research project identified the most significant change factors for positive good in the human brain.



For Engaged Enrichment, Use Every Minute of Class Time



1. Why? Start with ... 168 hours

2. Students have about 40 "open" hours per week for 36 weeks = 1,440 hours. Add hours for non-school weeks = 2,480 total hours per year.

3. We provide just 25-30 hours a week of school time for just 36 weeks a year or a total of 1,080 hours (maximum) per school year.

4. We have less than 1/3 of their total hours.

Enrichment Curriculum

- Activity
- recess, games, energizers and PE
- Arts musical, visual, dance & performance
- Advanced Placement Project Lead the Way, STEM, AVID (If you don't think your students can handle this curriculum, build their key "skills" first.)

Evidence that Physical Activity Enhances (not hurts) Test Scores



SPARK THE REVOLUTIONARY NEW SCIENCE OF EXERCISE AND THE BRAIN













Exercise...30 min./day, 3-5x/wk. and Student Success

- Triggers BDNF growth factors (Kesslak et al., 1998)
- Increases brain cells (van Praag, et al. 1999)
- Upregulates serotonin (mood, attention, memory and neurogenesis) (Chaouloff, 1989)
- Raises heart rate (Krock et al., 1992)
- Increase catecholamines (Gillberg et al., 1986).
- Builds cortical mass (Anderson et al., 2002)
- Enhances cognitive arousal (Saklofske, et al. 1992)



Arts build the needed academic subskills like attention, sequencing, processing and memory PLUS the growth mindset.

Do the Arts Support Academics?



Dr. Catterall at UCLA School of Education analyzed the records of 25,000 students progressing from 8th-10th grade. Those who studied arts had **higher grades**, **scored better** on standardized tests, had **better attendance** records and were **more active** in the community. (FIGK, 1999)

Coherent Complexity Builds Connections & Intelligence

- 1. Field trips
- 2. Learn to play instruments
- 3. Business partnerships
- 4. In-school projects (student store, etc.)
- 5. Community projects
- 6. Theater, drama, musicals
- 7. Service Learning





Access to Books for Stimulating the Mind

In 6 L.A. communities, high SES children *had more books in their homes* than low-SES children *had in all school sources combined*. This suggests that low-SES students are less likely to read partly because of limited access to books. Constanting (2005)



Can Students From Poverty Excel in an Advanced Placement Curriculum?



YES! They can and do excel in it. But the schools that succeed also ensure they are prepping their students brains for the program. They build student's "operating system" (their subskills) to ensure success.

Strategies for Engaged Instruction

- Mix social groupings
- Corrective feedback
- Ask, don't tell content
- Celebration of positives





What's it Like in Most High Schools? Let's Ask 81,000 Kids...

Indiana University's High School Survey of Student Engagement (HSSSE) released 2/28/07 showed that almost half the students are bored in class every day. One in six or 17% say they are bored in every class. More than 81,000 students in 110 high schools, ranging in size from 37 students to nearly 4,000, across 26 states were surveyed.

CONTACT: Ethan Yazzie-Mintz Center for Evaluation and Education Policy emintz@indiana.edu http://newsinfo.iu.edu/news/page/normal/4948.html



5th Graders, on average, spend what % of their time listening or working alone (<u>vs</u>. being with others or being more active)?





You have much more to do with how your students turn out than you previously thought









% of students from poverty = 100% # in student body = 819 Grades = 7-12 % Hispanic = 59% % Asian = 20%

% African American =13%



% White/other = 6% % of attending students whose parents have *no college degrees* = 100%

Ranking in US News &World Report's top 100 = 32





What Was the Voice in Your Head Saying? Fill in the Bubble Below:

- "Where was THAT school?" (If it wasn't in our city, it's not really relevant)
- "Yeah, but how long did it take them?"
- $\circ~$ "The ethnicity % is different than our school."
- "Sure, but is it a public school?"
- $\circ~$ "But they don't have the problems we have."
- "Yeah, but our budget just got cut again."
 or...

"It's good to know that miracles happen!"















#3 - Getting on Board

(it's time for real change)

- 1. Staff must **BELIEVE** brains can change
- 2. Staff need a clear simple PATH
- 3. Staff must actually **SEE CHANGE** happen
- 4. Staff must COLLABORATE
- 5. Staff need SUPPORT from administration



- Small staff groups meet by either grade level or subject level
- Use the standards to generate the gapfilling interventions school-wide
- Now, build relationships everywhere
- Combine learn-to-learn activities to master the *academic skills* then add the *hope* and *growth mindset*.



Let's Simplify...

- 1. <u>Agree</u> on a clear, smart path
- 2."Buy-in" from yourself
- 3. <u>Commit</u> to implementation

What's My Plan?	
WHAT:	1
WHEN:	_ }
	- {

