

Designing to the Edges



ARCHITECTS

FEFPA

Florida Educational Facilities Planners' Association

METEOR EDUCATION
accelerating engagement



Associate Principal at DAG Architects

30 years experience as a registered architect

Experience in Educational and Recreational Design

Team Builder - Problem Solver - Creative thinker

Tanya Richard





Author of “Surviving the Storm: Leading Through Post-Traumatic Growth”

Co-Author of USC’s “T3 –Trauma Readiness Course”

Executive Director of Innovation & Impact, MeTEOREducation

Educational Consultant & Instructional Coach

Administrator, Gifted Education, Diagnostic Testing, Special Education, Reading Specialist, Classroom Teacher and School Board Member

College Professor and First Year Transition Specialist

Adjunct Professor-Global Center for College and Career Readiness

What is your role?

0

Facility Planner

0

Designer

0

Architect

0

Teacher

0

Administrator



My tagline for this past year would be...

0



Many of you.. One of me!

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Helping hearts as much as minds!

0



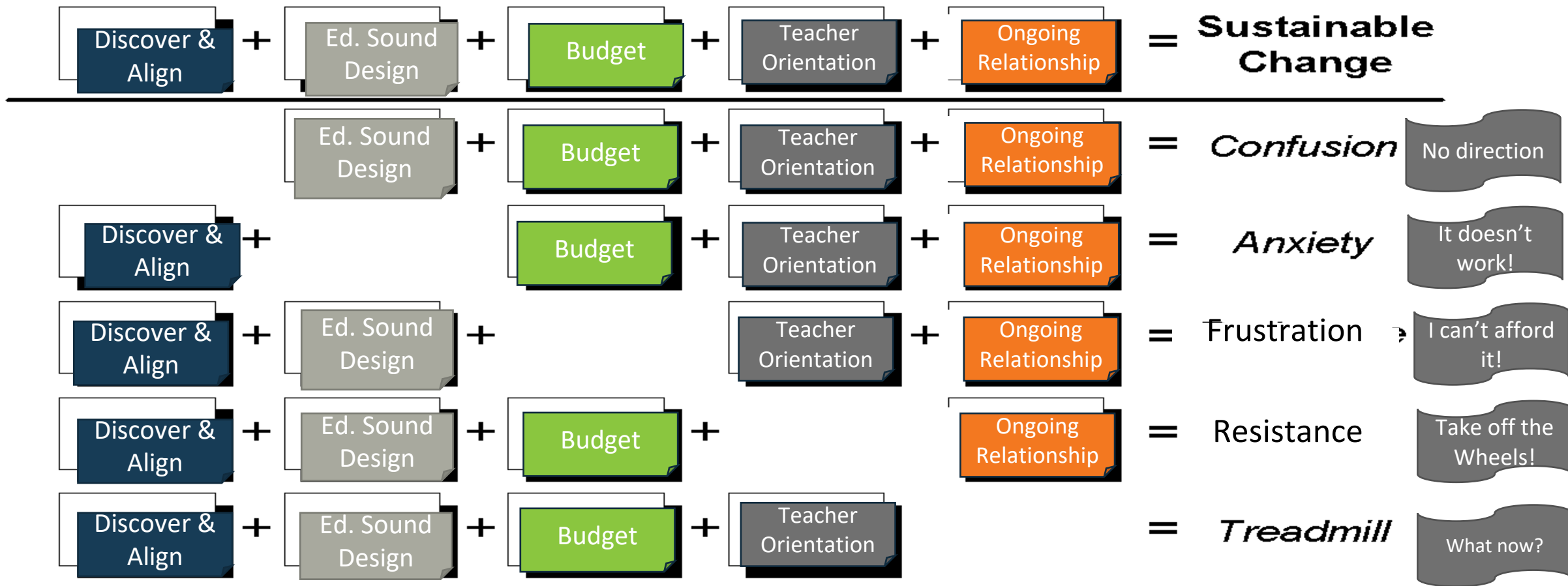
What hat am I wearing today?

0



Putting out fires and rescuing cats..





Choluteca Bridge in Honduras







Scale of teacher shortage crisis in schools revealed

Exclusive Nearly 40% of teaching assistants cover classes, research finds

Sally Weale
Education correspondent

Hundreds of thousands of pupils in England and Wales are being educated "on the cheap" by low-paid teaching assistants (TAs) covering

lessons for teachers who are off sick or have quit, according to new research.

A desperate teacher recruitment crisis, compounded by inadequate funding, means schools across the country are struggling to put a qualified teacher at the front of every class, unions say.

TAs, who earn as little as £14,000, are being asked to plug the gaps, for little or no extra pay.

The survey of almost 6,000 TAs found almost 40% are covering

classes for regular teachers for at least five hours per week – roughly the equivalent of one schoolday a week or half a term's cover over a school year – while 15% said they were expected to teach entire classes for at least an hour a week.

At primary level they are being told to lead classes from nursery to year six, with a few minutes' notice. In secondary schools, TAs are teaching GCSE where teachers have not been replaced.

Children with special educational needs (SEN) are among the worst affected by the crisis, according to research by the public service union Unison.

SUNCRYPTO
MORNING
LONDON
EXCHANGE

AI IN EDUCATION: FUTURE OF MODERN EDUCATION SYSTEM



The Fiscal Cliff & Education

WHAT'S AT STAKE?

CLASS SIZE MATTERS



How will the education system look like by 2030?

Educator **Ajit K Chavan** explores the future of learning, highlighting the need for innovative education for Gen Alpha

Education is on the brink and the future education systems will evolve the most exciting and disruptive ways to reimagine the future of learning. There are numerous challenges and opportunities ahead. Our shared education system needs to be reimagined to meet the needs of the future. The future of education is not just about the content of learning, but also about the way we learn. The future of education is not just about the content of learning, but also about the way we learn. The future of education is not just about the content of learning, but also about the way we learn.

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EDUCATION 4.0

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INNOVATIVE LEARNING

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EDUCATION FOR GEN ALPHA

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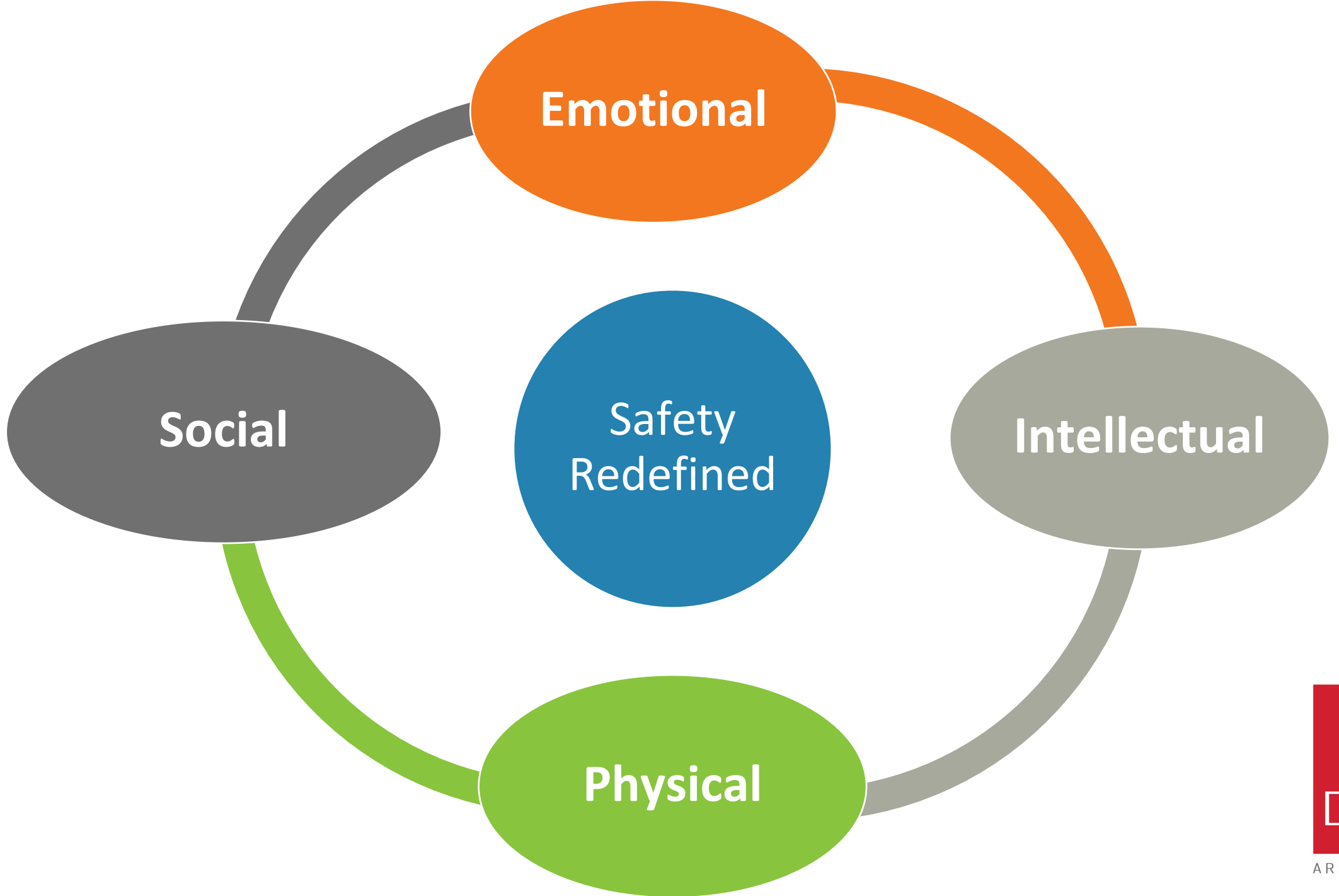
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What else is coming?

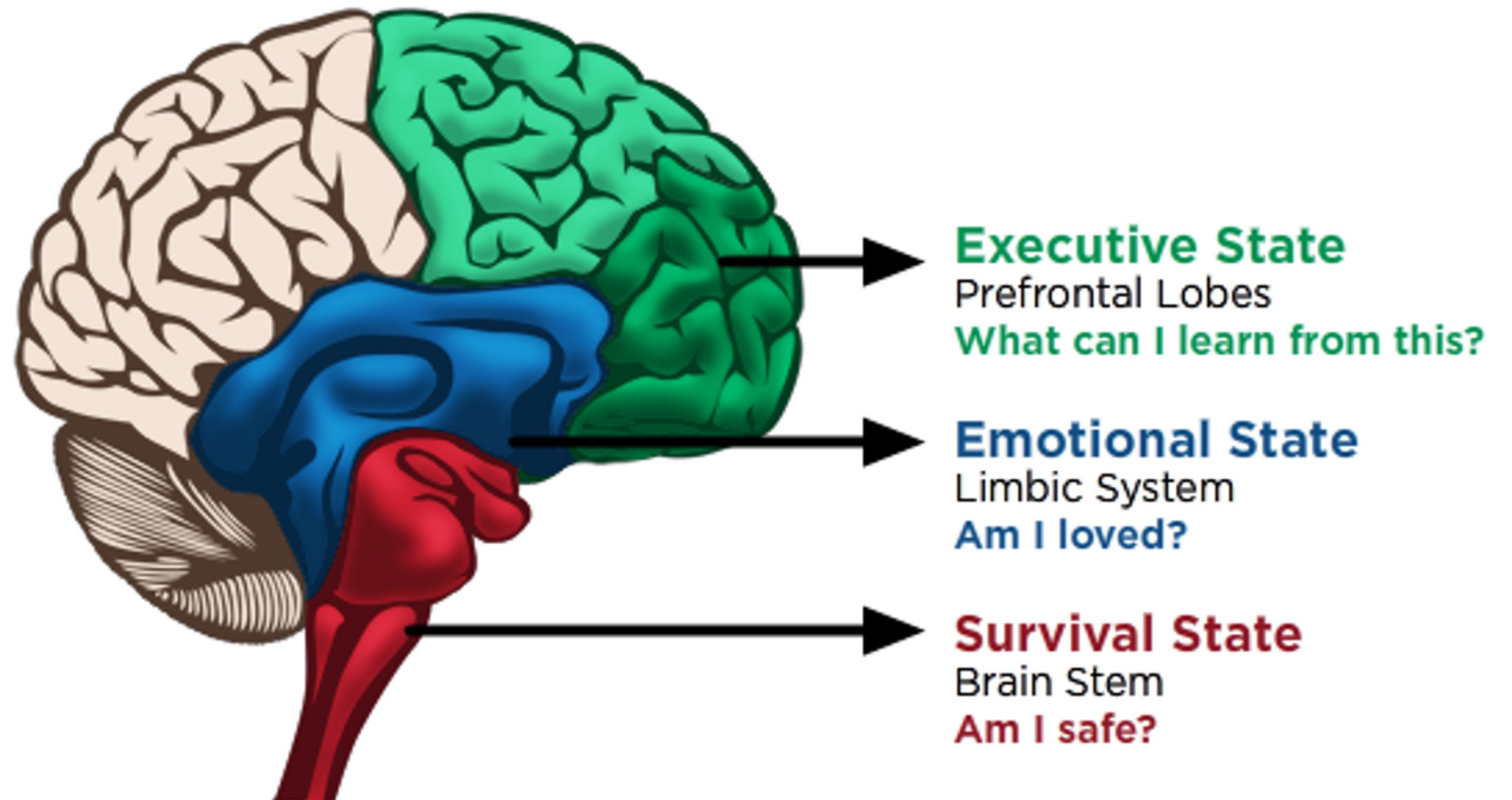


How do we build
safe learning
communities in
schools?





When the amygdala is triggered, we are in “survival brain”. It inhibits deep learning that helps increase retention & reflection.



TRAUMA RESPONSES



What is
your
response?

Language Comprehension in survival mode:

You understand  word you.

You hard, and regulate.
Sometimes outbursts tiniest sometimes
escape and your emotionally
become.

It's you're parent, stupid.

TRAUMA RESPONSES = BEHAVIORS

Externalizers: negative coping behaviors pointed at others

- *“Defiance”*
- Emotional dysregulation: fight/flight
- Disobeying rules
- Addictions
- Abuse
- Continued cycle
- Emotional immaturity

- *“Discipline problems”*

Internalizers: negative coping behaviors pointed at one’s self

“Compliance”

Emotional dysregulation:
freeze/fawn/dissociate

Codependency

People pleasing

Type A

Continued cycle

Emotional immaturity

“Future school shooters”

“At-risk of suicide”

What community do we want to build? ProSocial or Antisocial



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What community do we want to build?

- Antisocial
- Any act which intends to harm or negatively impact another individual
- Threats, bullying, discrimination, deceit, lack of remorse and other hostile conduct
- Stimulates threat processing & stress response in amygdala
- Lessens secure & cooperative relationships
- May promote anxiety
- Prosocial
- Any act that benefits another individual
- Sharing, donating, being friendly, expressing concern, and other helpful conduct
- Enhances the immune system; promotes release of oxytocin, and facilitates frontal critical processes
- Can enhance general well-being as it downregulates threat processing
- May promote mutually supportive and secure social interactions

Mission & Vision

- Are we aligned?

Priority Learning Outcomes

- Who are we designing for? What will they need?

Learning Experiences

- What should happen in the classroom?

Environment Implications

- What are non-negotiables in the learning environment?

Align Build Communicate

Now we must think about the designs to ensure that they align intentionally..

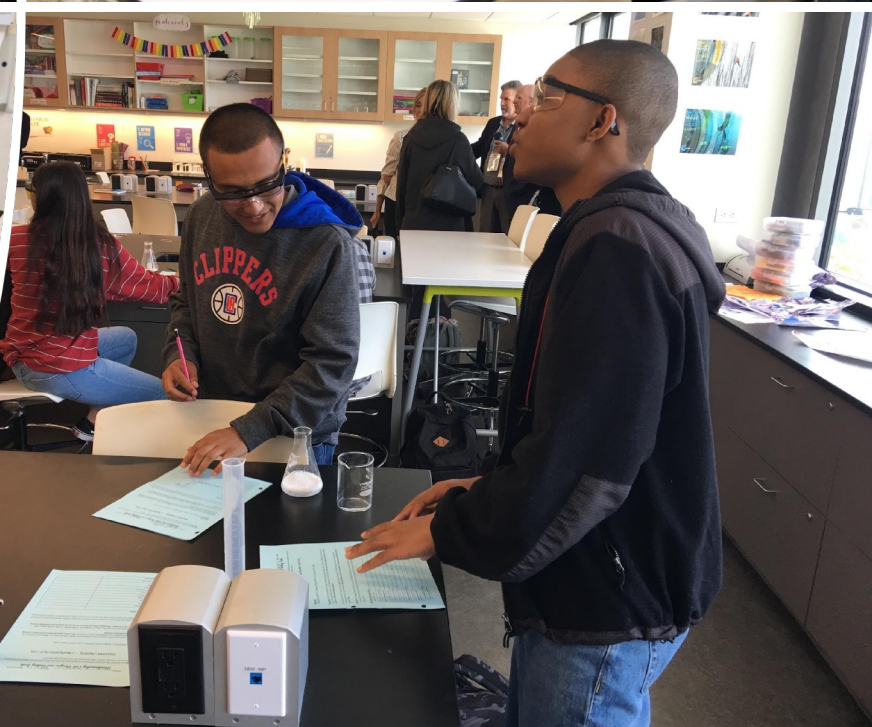
Collaboration is key..

What stakeholders are a constant throughout the process?

Form follows function and feeling..

**Does this space make me
feel like I'm valued (equity)?**

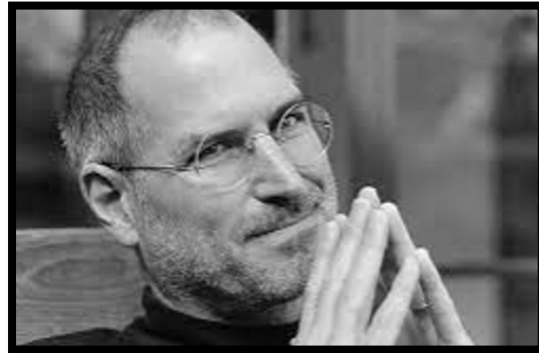
Different ways of learning





Research found students who incorporated **movement** into their learning strategy remembered 76% of the material, while those who simply used their brain to memorize recalled only 37%.

“Design is not just
what it looks like...
It is how it works.”



Jobs

Can we design buildings that embrace
ProSocial™ Learning Environment
Components and ...

Design to the EDGES!







GYMNASIUM



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Things to Consider:

Storage options

Work surface areas

Teacher storage room and breakout room

Mobility (casters or light enough to move)

Flexibility

Multi-use (flip and nest)

The Role of Community Spaces in Building Connections

With your group, list dysregulated spaces you'd find in a school.

What elements could they have that allows more self-regulation?









IN WALTON COUNTY,
LONG LEAF PINE
TREES WERE TAPPED
FOR TURPENTINE.
THIS WAS A VERY LARGE
INDUSTRY IN THIS AREA.

ONLY YOU
CAN PREVENT
WILDFIRES

CONTROLLED BURNS
SEE SPACED-OUT TREES
FOR THE LONG LEAF
WHILE TREES GROW
TO PROTECT THEMSELVES
TO THEIR ROOTS.

We
to
For





Welcome to the Gulf of Mexico and Dune Lakes

DID YOU KNOW, A BEACH HOUSE ONLY REIGHS AS MUCH AS TWO NICKELS?

DID YOU KNOW, ALL WAVES ARE CAUSED BY THE WIND?

DID YOU KNOW, PART OF THE GULF OF MEXICO, THAT BORDERS WALTON COUNTY, IS HOME TO 650 ARTICIAL REEFS?

DID YOU KNOW, ALL 7 SPECIES OF SEA TURTLE ARE ENDANGERED?









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Things to Consider:

- * Furniture options (Cafeteria tables)
- * Use of building (learning stairs, media center, stage, tennis courts on top of building)
- * Outdoor spaces (authentic learning experience)
- * Branding

"You do not rise to the level of your goals. You fall to the level of your systems."

James Clear

School Rankings

The following chart ranks average scores per school and functional

School	Overall Rating	Admin. Rating	Cafeteria Rating	Instructional Rating	Media Center Rating
Bijou Community	1.4	1.3	0.8	1.4	1.2
Environmental Magnet	1.3	1.3	1.2	1.2	1.2
House Elementary	0.9	1.0	1.5	0.8	1.1
Valley Elementary	1.3	1.3	1.0	1.2	1.4
South Middle	1.0	0.9	0.5	1.0	1.3
South High	1.2	1.6	1.9	1.1	1.4

Priority Scale



Low Priority – > 2.0



Moderate Priority - between 1.5 to 1.9



High Priority – between 1.1 – 1.4



Urgent Priority – 1.0 and below

Do you have a system in place?



Questions??

Thank you!!

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