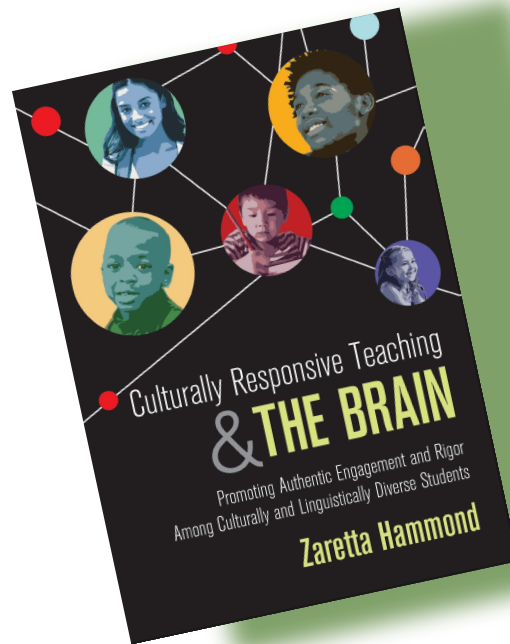


GSOLEN Webinar

January 18, 2022



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Science of Learning Offers a Path
for Large-Scale Decolonizing of
Teaching and Learning

We must use it as a lens to examine the instructional core.



The Science of Learning



Source:



INTEGRATION

Cognitive, academic, social, and emotional development are inextricably linked.

Strong, trusting relationships are essential to learning and development.



MALLEABILITY

Brains are remarkably malleable and resilient throughout life.

Cognitive, academic, social, and emotional development are inextricably linked.



MEANING MAKING

People make meaning by reflecting on the connections between new information and existing knowledge.

People make meaning by reflecting on the connections between new information and existing knowledge.

Through the science of learning, we can help the most vulnerable students strengthen their capacity to *leverage their schema* and *build cognitive structures* in order to effectively *process new content* independently.

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Culturally Responsive Teaching

Produces Deep Learning that Creates More
Equitable Outcomes by
Embracing the Affective and Cognitive



INTEGRATION

Cognitive, academic, social, and emotional development are inextricably linked.

High Trust and
Low Stress
Environment

Learning for
Understanding



MEANING MAKING

People make meaning by reflecting on the connections between new information and existing knowledge.

Information
Processing Ease



MALLEABILITY

Brains are remarkably malleable and resilient throughout life.

Who do teachers need to be in order to develop the skills, dispositions, and capacities of cognitive thriving, especially in light of past inequities?



They need to be the “personal trainers” of students’ cognitive development.



We Must Guard Against the Science of Learning Being Weaponized to Maintain Inequities



- Deficit thinking about historically marginalized students
- Focus on superficial aspects of science of learning to enforce compliance rather than cognitive growth



Scaffolds to Provide Access



**Scaffolds to Support
Stretch and Chew**





DISRUPT!



RETHINK



REINVENT



REPOSITION