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What drew you To this session?

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THEORETICAL CONTEXT SETTING: NEURODIVERSITY

Learning and Development are inextricably intertwined

Student Learning Imperative, 1996

Learning and Development as Neurocognitive Skills

(Bresciani Ludvik, 2018; Zelazo, Blair, and Willloughby, 2016)

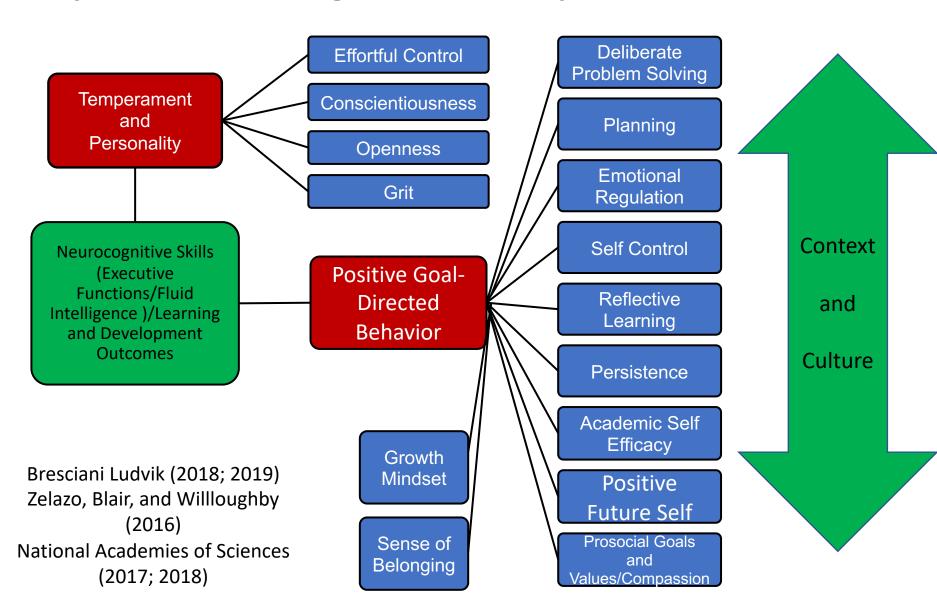
Neurocognitive Skills

Or Learning and Development Outcomes

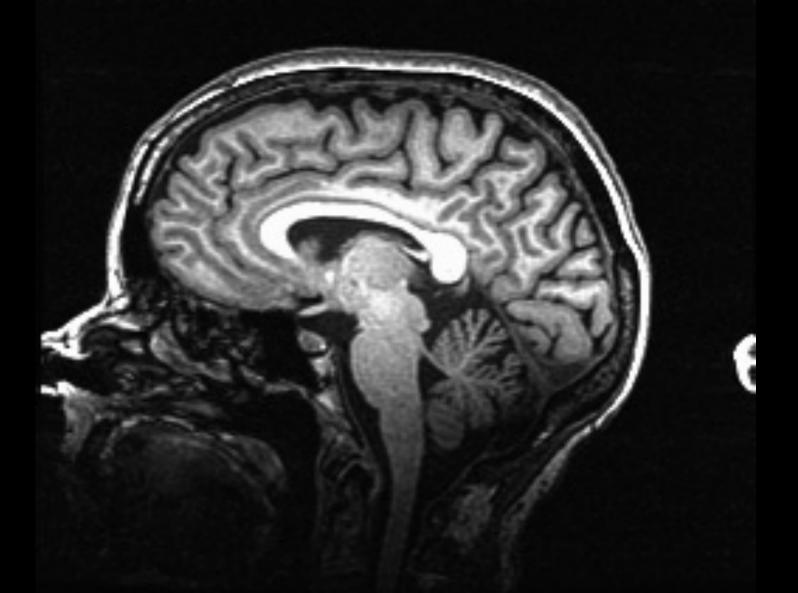
Fluid
Intelligence/Executive
Functions

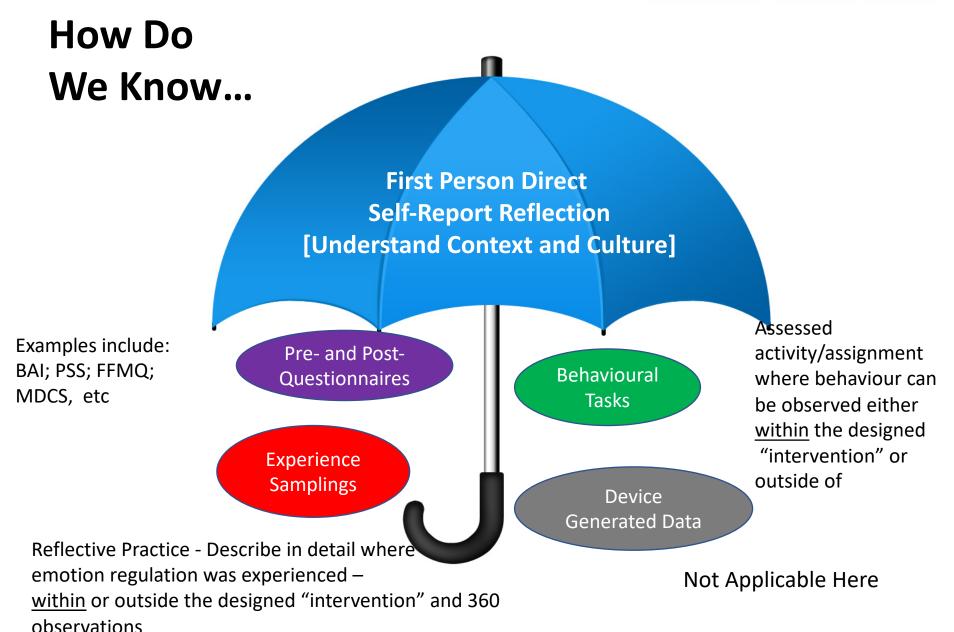
Crystalized Intelligence

Map of Fluid Intelligence/Executive Functions to Specific Learning and Development Outcomes



NEUROPLASTICITY





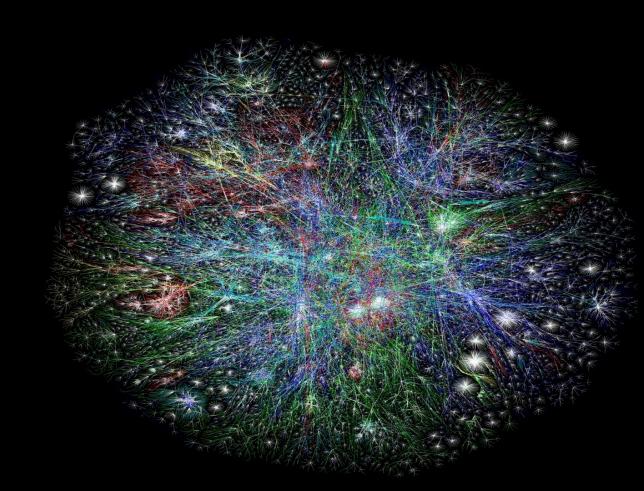
(Bresciani Ludvik 2020)

What age groups are You predominately serving?

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"When we try to pick out anything by itself, we find it hitched to everything else in the universe."

- John Muir



INSIDE THE TEENAGE BRAIN

Adolescents are prone to high-risk behaviour

Prefrontal Cortex

Its functions include planning and reasoning; grows till 25 years

Adults Fully developed

Teens Immature, prone to high-risk behaviour

Amygdala

Emotional core for passion, impulse, fear, aggression.

Adults Rely less on this, use prefrontal cortex more

Teens More impulsive

Parietal Lobe

Responsible for touch, sight, language; grows till early 20s

Adults Fully developed

Teens Do not process information effectively

Ventral Striatum

Reward centre, not fully developed in teens

Adults Fully developed

Teens Are more excited by reward than consequence

Hippocampus

Hub of memory and learning; grows in teens

Adults Fully functional; loses neurons with age

leens Tremendous learning curve



Typical Developing Brain Keys

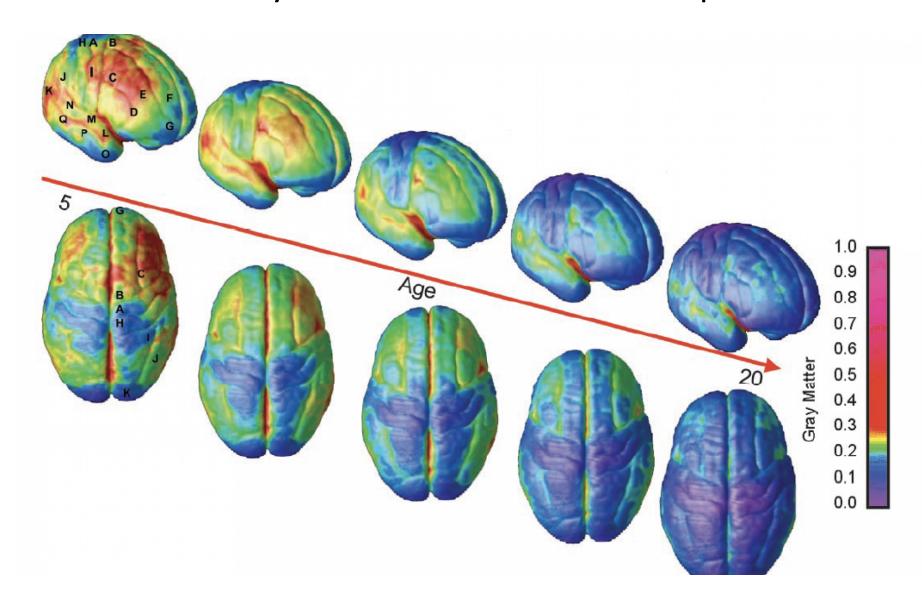
Optimal Neural Development

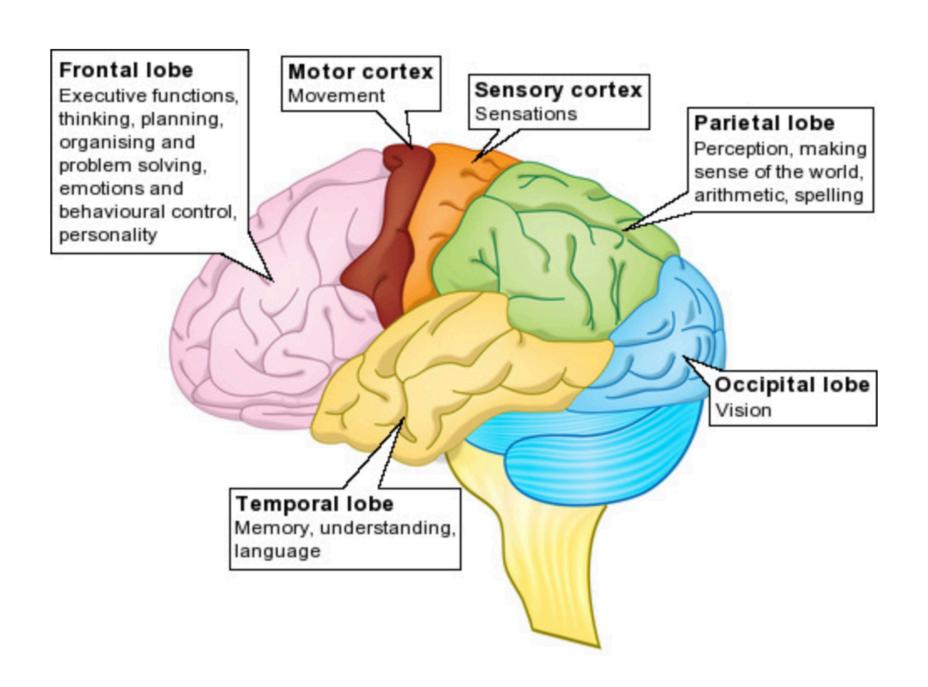
Neural Pruning Quickly Follows

- Ages 0-2-ish
- Ages 16-20-ish

- Neural connections are strengthened or pruned away
- Environment influences pruning
- Choice influences pruning

Connectivity and Neural Development

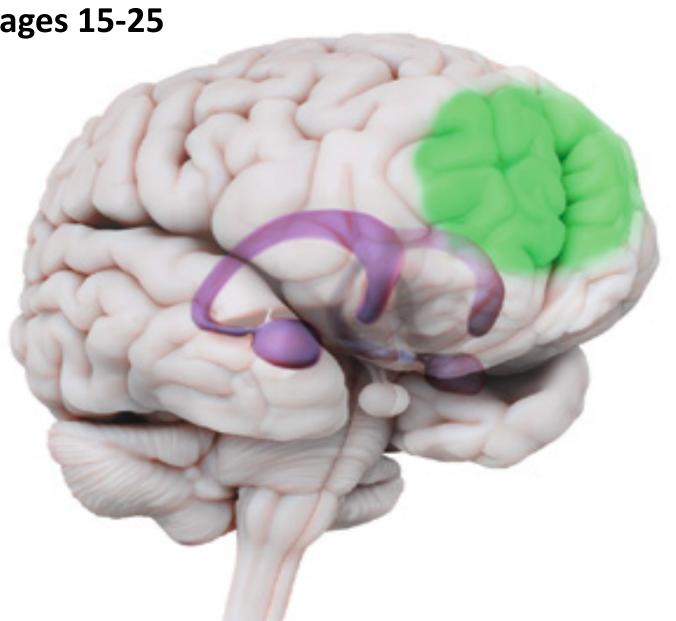




Significant Developmental Mismatch

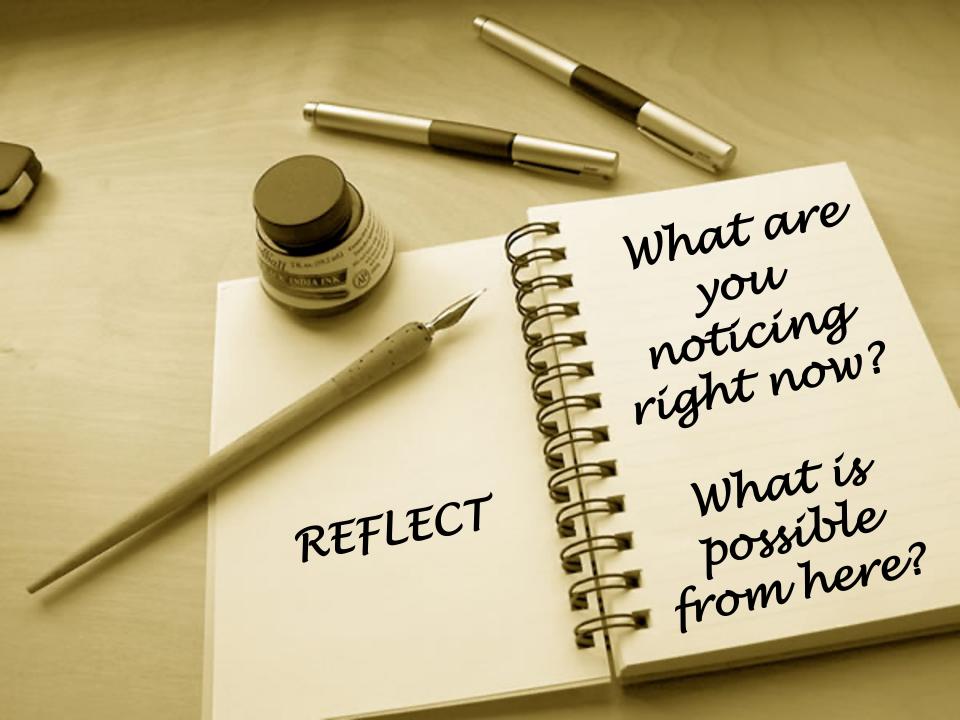
between ages 15-25

(Giedd, 2015)



Deep Breathing or Focused Breathing Exercise





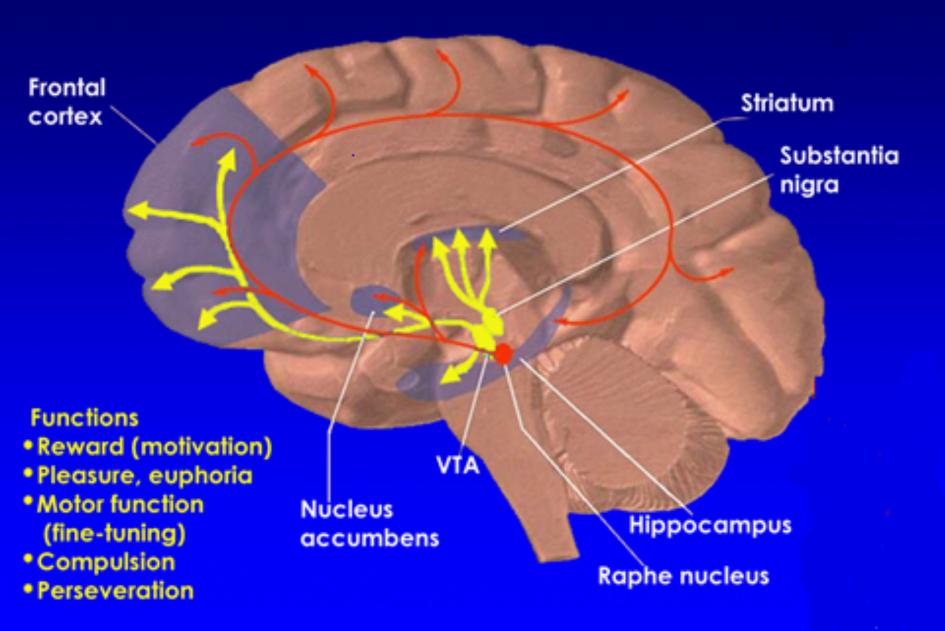


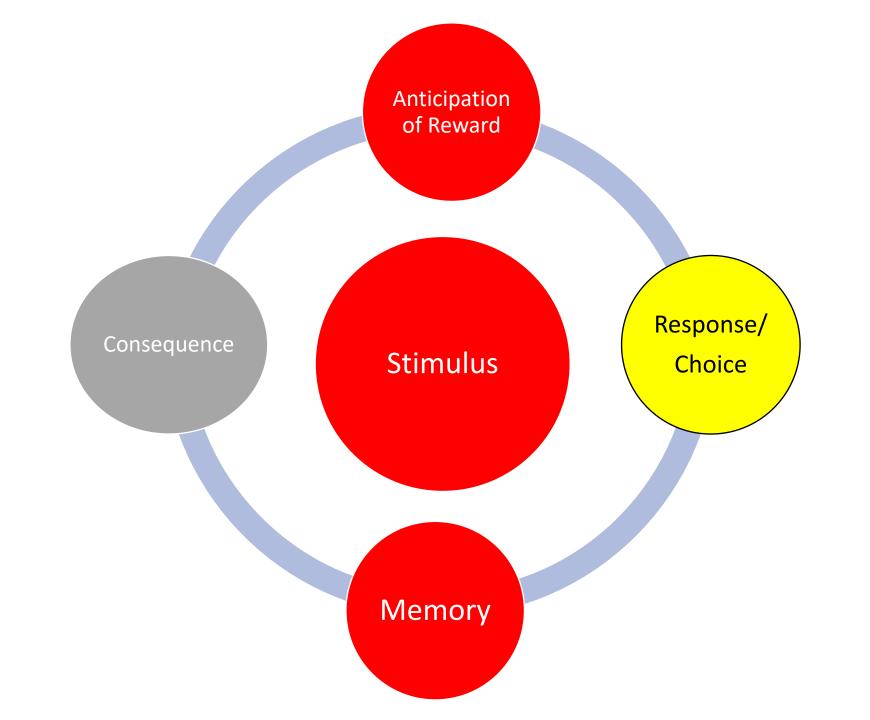
Provide Multiple Forms of Healthy Expression

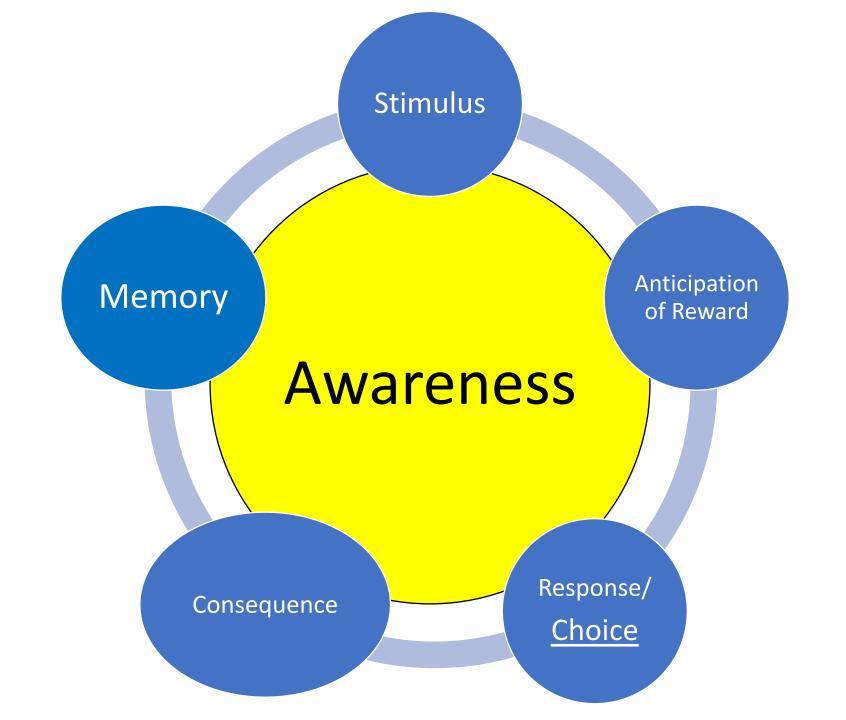
(movement, videos, music, poetry, art, reflective writing, 2-minute journaling, etc.)



Dopamine Pathways







Guided Reflective Exercises

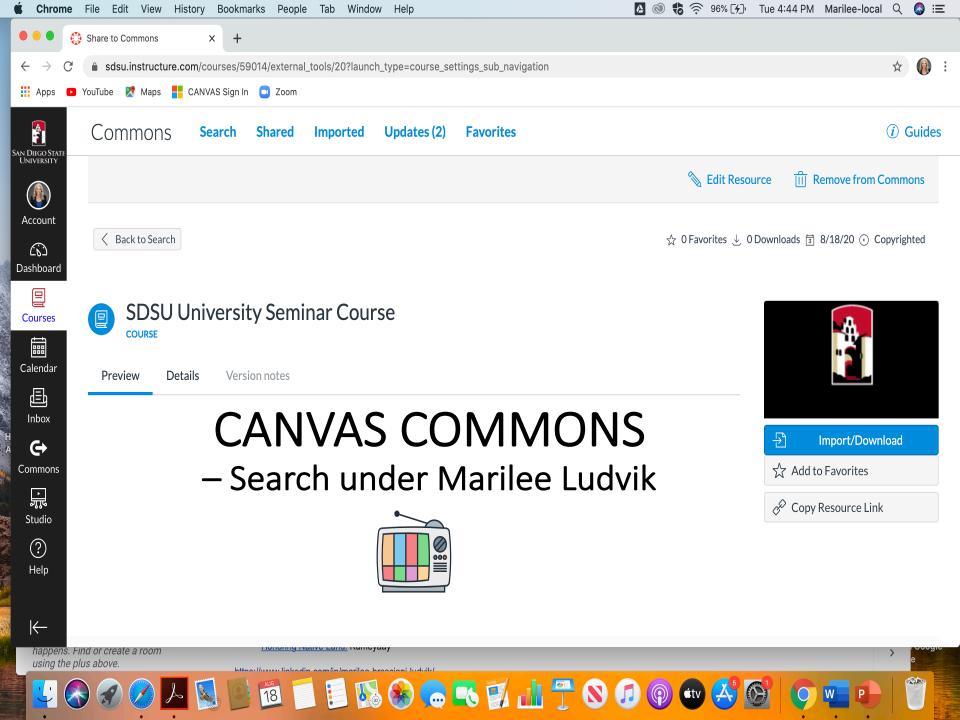




Self-Compassion Steps

- Notice pain and suffering
- Name pain and suffering
- Validate pain and suffering
- Connect with common humanity
- Offer soothing words that you would offer to a best friend
- Offer soothing touch, if appropriate
- Ask, what do I need in this moment?
- Give permission to self to (silently) act on that need -as long as it doesn't harm self or others



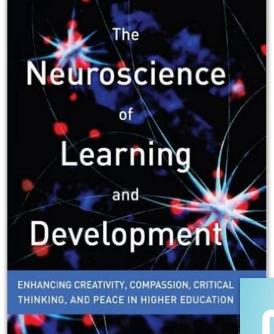


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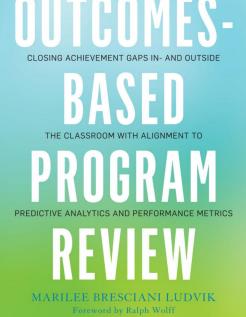


THINKING, AND PEACE IN HIGHER EDUCATION

Edited by MARILEE J. BRESCIANI LUDVIK

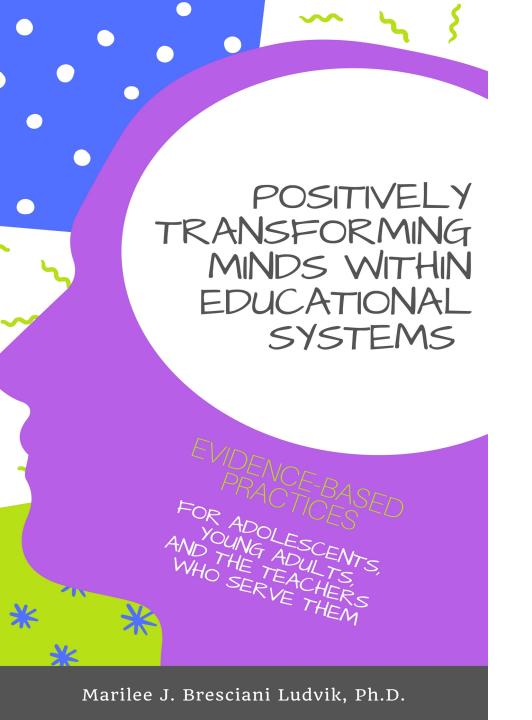
Foreword by Gavin W. Henning

Foreword by Ralph Wolff





Second Edition of Outcomes-Based Academic and Co-Curricular Program Review



FREE Resources

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www.rushingtoyoga.org



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