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The science of learning and development paints an optimistic picture about what is possible.



# CONTEXT



There is no separation of nature and nurture, biology and environment, or brain and behavior only a collaboration between them.



## THINGS TO REMEMBER ABOUT BRAIN DEVELOPMENT







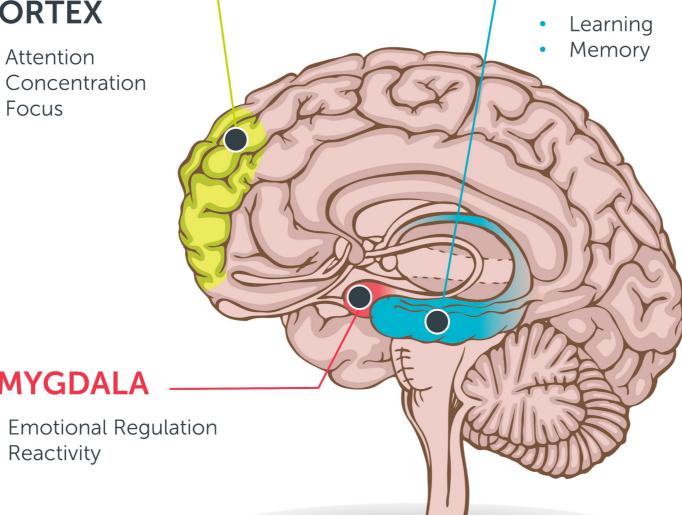
**PREFRONTAL CORTEX** 

- Attention
- Concentration

**AMYGDALA** 

Reactivity

Focus



**HIPPOCAMPUS** 





The most powerful example of positive context is the human relationship.





OXYTOCIN



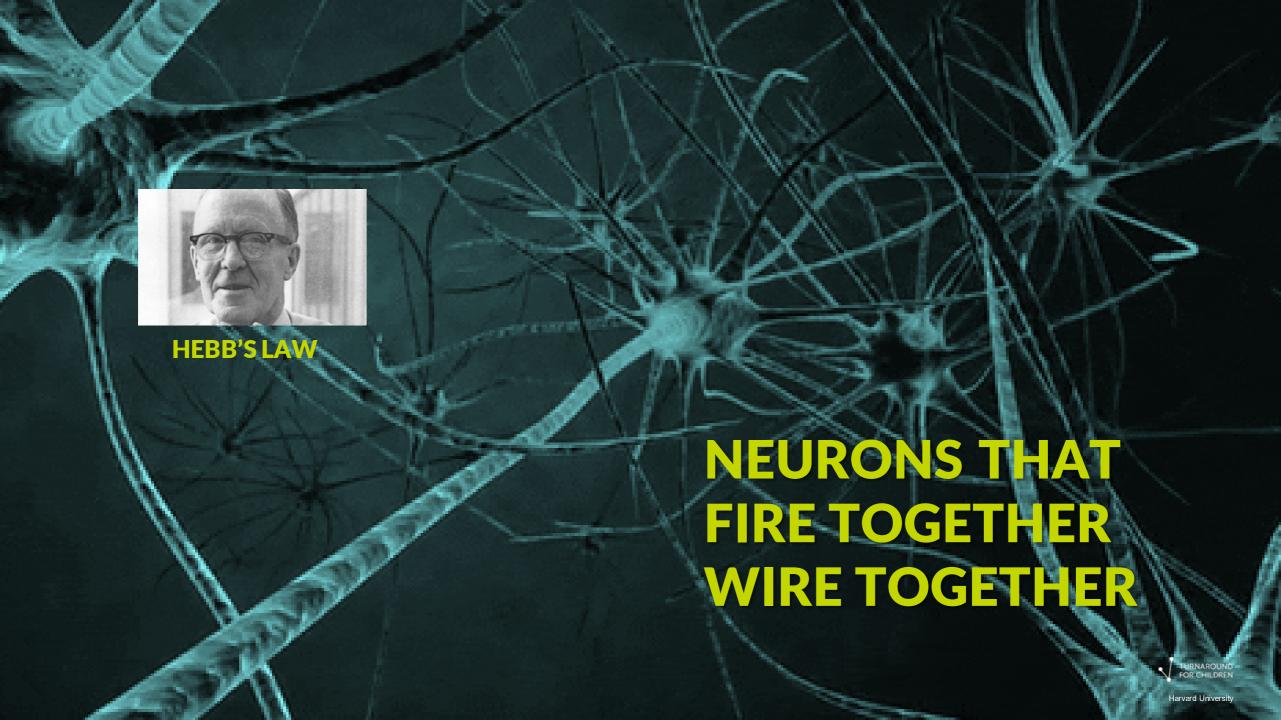
CORTISOL



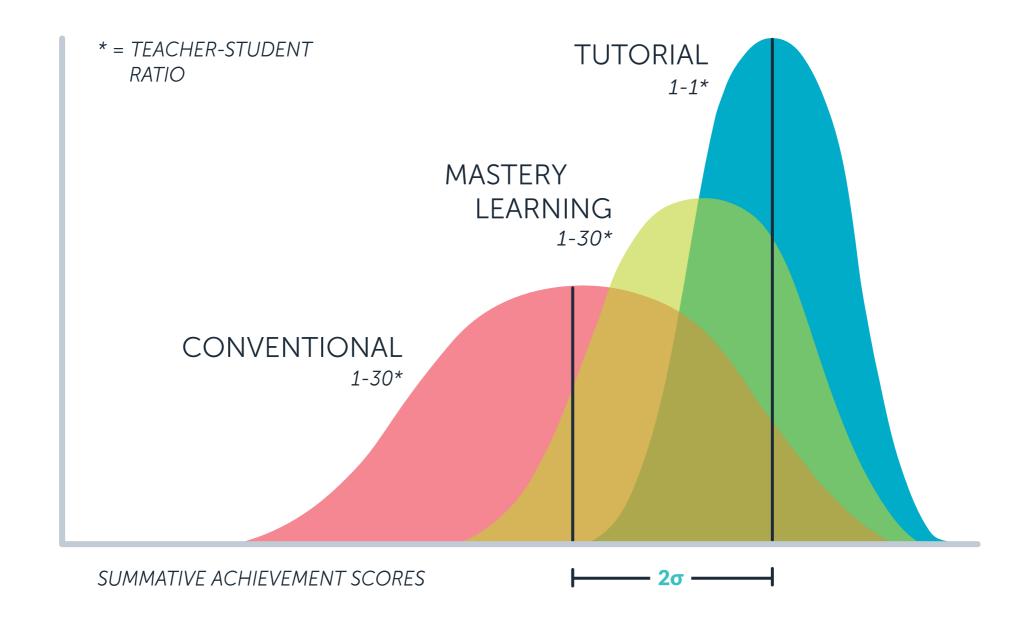


# Relationships are the electrical source for the growth of the brain.



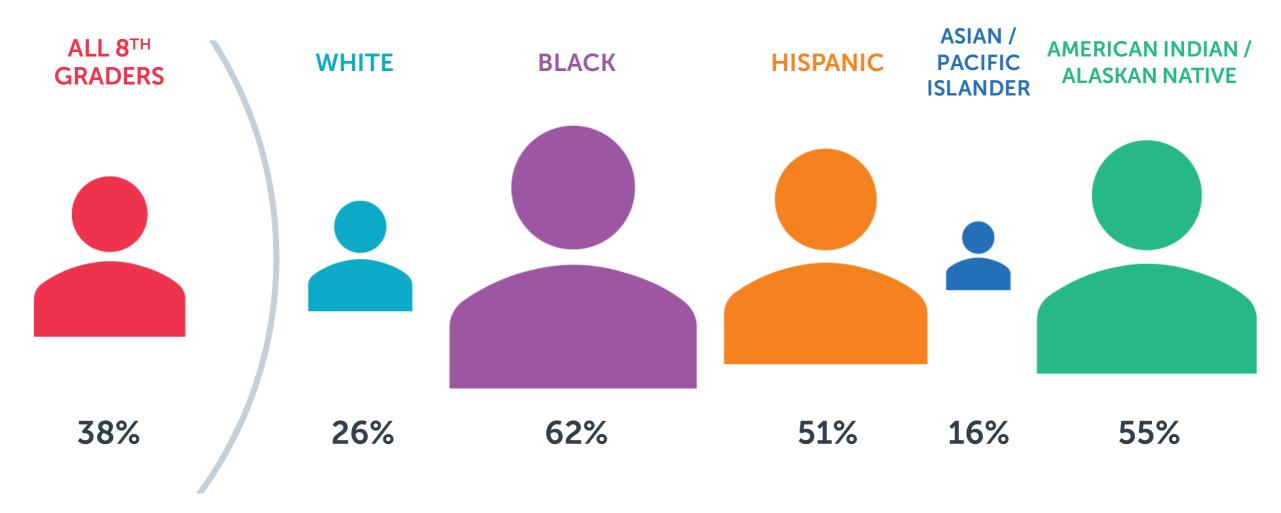


### BLOOM'S 2 SIGMA STUDY 1984





### 8<sup>TH</sup> GRADERS BELOW BASIC PROFICIENCY IN MATH:



### 8<sup>TH</sup> GRADERS PROFICIENT IN MATH:

2019

34%

proficient

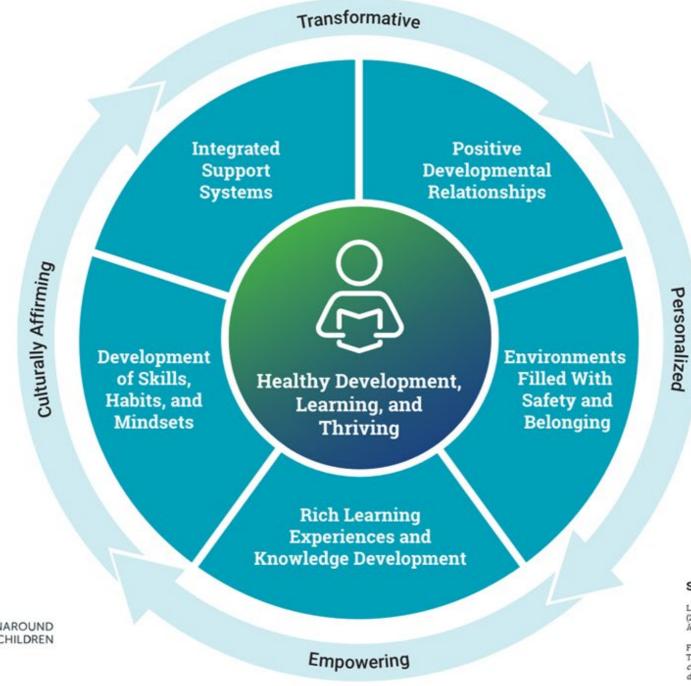




We can create learning environments that recognize children as whole people.



# Essential Guiding Principles for Equitable Whole-Child Design







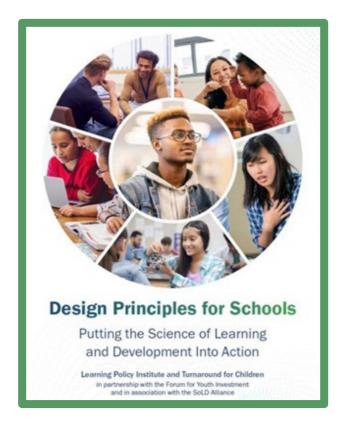




### Sources:

Learning Policy Institute & Turnaround for Children. (2021). Design principles for schools: Putting the science of learning and development into action.

Forum for Youth Investment (with Learning Policy Institute & Turnaround for Children). (2021). Design principles for community-based settings: Putting the science of learning and development into action.





### designprinciples.org

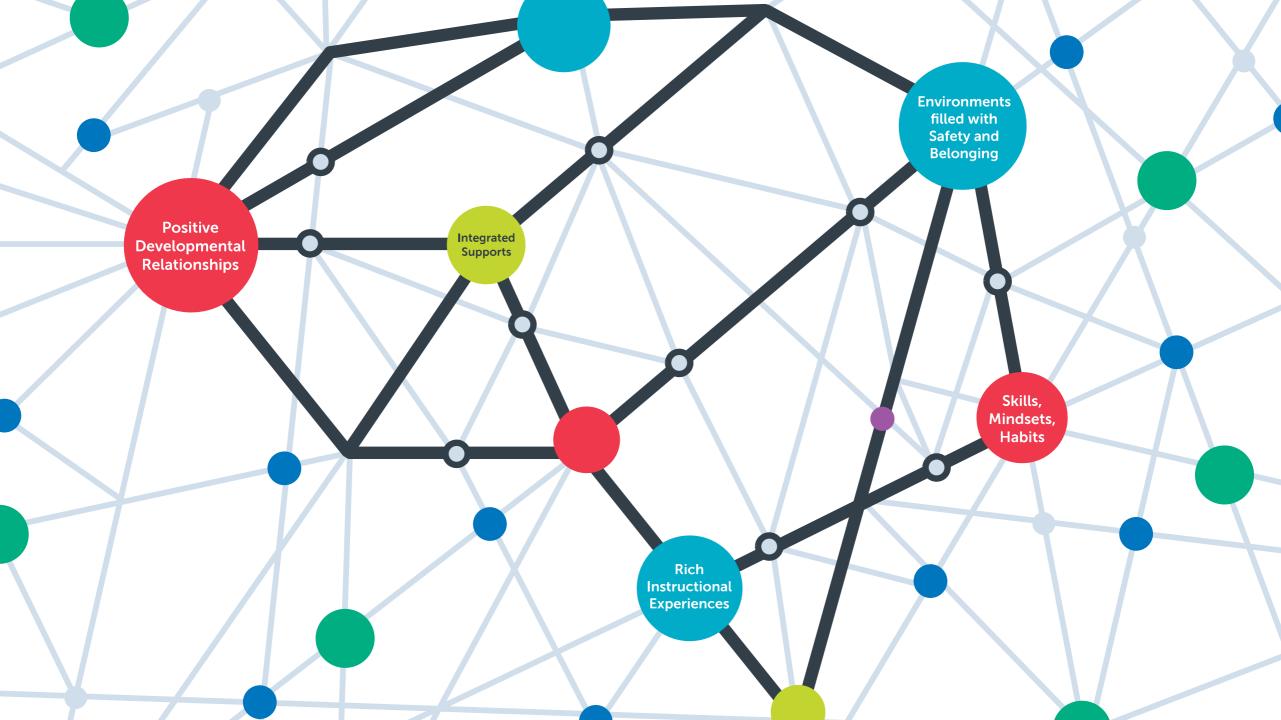




















Social, Emotional, and Cognitive Development



## UNLEASH THE POTENTIAL IN EACH AND **EVERY YOUNG** PERSON



# EACH AND EVERY YOUNG PERSON CAN THRIVE

10 +601





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