

Aligning Robust Equity, The Science Of Learning And Development,  
Culturally Responsive Pedagogy, Deeper Learning with Systems  
Transformation: Implications For The Global North And Global South

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MAKING  
RESEARCH  
RELEVANT

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# THE SCIENCE OF LEARNING AND DEVELOPMENT

Enhancing the Lives of All Young People



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## The Science of Learning and Development Enhancing the Lives of All Young People

<https://www.routledge.com/The-Science-of-Learning-and-Development-Enhancing-the-Lives-of-All-Young/Cantor-Osher/p/book/9780367481070>

- Four sections
  - Features implications of the science of learning development
  - Implications for educational practice
  - Focusing on equity
  - Toward the future of the science of learning development
- Two chapters are available this week for view  
<https://www.routledge.com/go/free-chapter-the-science-of-learning-and-development>
- special discount code for the webinar (to receive 20% off) is **SLD22** to be used at the checkout at [www.routledge.com](http://www.routledge.com).

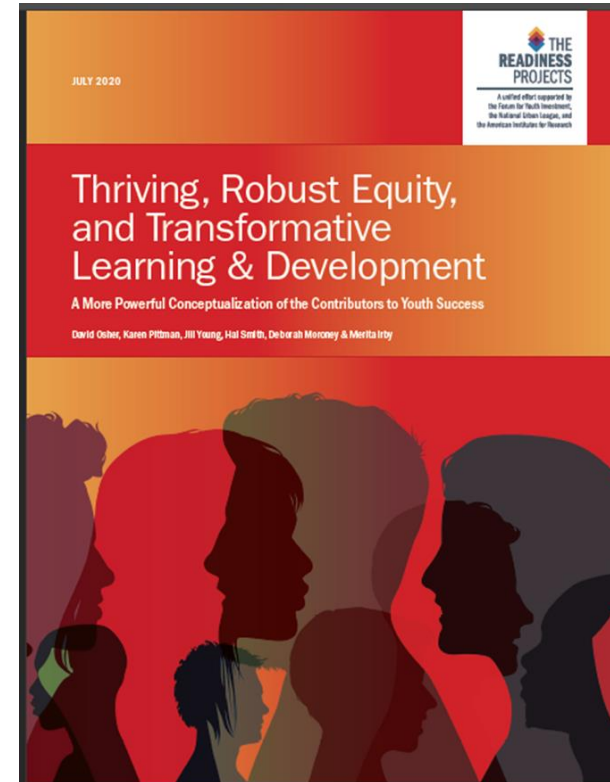
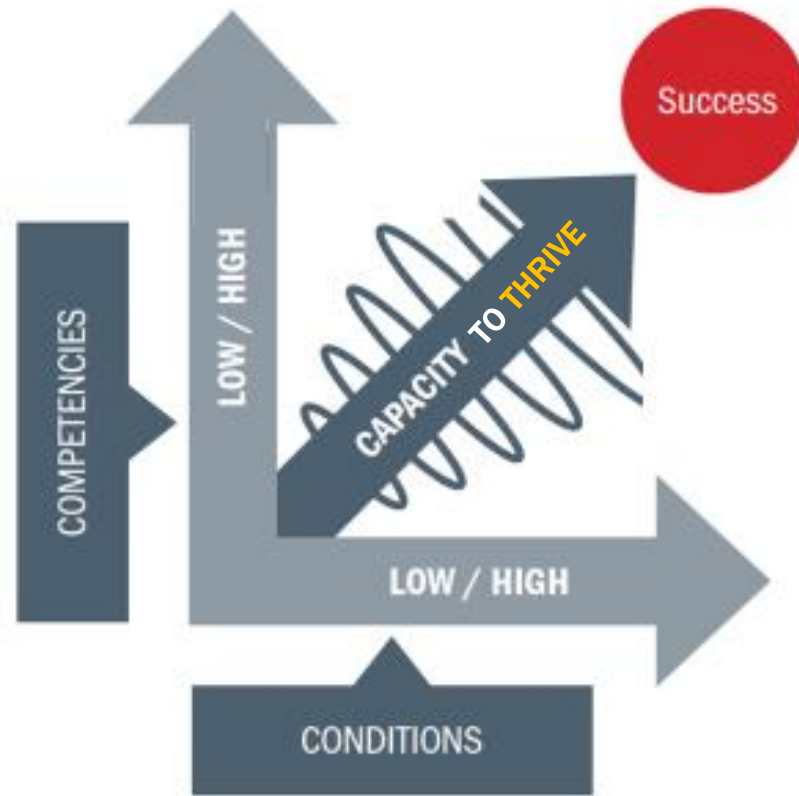
# The Conceptualization of Robust Equity

- Thriving in all life domains
  - social
  - emotional
  - cognitive
  - physical
  - economic
  - spiritual
  - environmental
- Individually *and* as part of a group
- In the moment *and* over one's life
- Thriving builds upon objective and subjective well-being but also includes the experience of and capacity to have and be:
  - Agentic— acting on and shaping one's environment
  - Grounded-- belonging and having a sense of history, place, and future

# Robust Equity Requires

- Eliminating and combating institutionalized oppression and privilege and their manifestation in mindsets, structures, protocols, processes, tools, experiences, and incentive structures
- Transforming structures and institutions and building new settings and structures when necessary
- Building and supporting inclusive structures, settings, and processes that build and support the experience of thriving and capacities of individuals and groups to thrive and support others in thriving
- Building upon:
  - The science of learning and development and implementation science
  - The lived experiences and knowledge of people who experience and address oppression
- Providing supportive conditions and developing individual and collective competencies and assets

# A young person's success in any life arena is linked to learning, equity, & their capacity to thrive



# Robust Equity Entails

- Expanding our conceptualization and operationalization of the components of each domain
- Understanding and leveraging the interconnections between and across domains --both in the moment and over time
- The cognitive domain and deeper learning provide examples
  - Deeper learning <-> Shallow learning
  - Transformative learning <-> Adaptive learning
  - Holistic Learning <-> Narrow learning
    - Nurturing the interconnected mind, body, and spirit and does so in a manner that is humanizing
    - Developing analytic, synthetic and creative skills
    - Leveraging and developing awe, wonder, and passion
    - Building connections and embracing diversity while understanding differences and uniqueness
    - Developing a sense of responsibility and critical consciousness along with the resources to act on this knowledge

# Aligning robust equity, the science of learning development, cultural responsiveness, and deeper learning

- The connections between this webinar and the previous one that included Pamela Cantor and Mahlapahlapana Themane
- The links between the forthcoming 2023 and 2025 review of research in education
  - 2023--The Science of Learning and Development
    - See the call that was released yesterday at [publications page: https://www.era.net/Portals/38/RRE\\_2023\\_CallForProposals.pdf](https://www.era.net/Portals/38/RRE_2023_CallForProposals.pdf)
  - 2025-- Robust Equity
- The presentations that follow, which provide examples that embody the principles of the science of learning development and robust equity