

USING THE SCIENCE OF LEARNING AND DEVELOPMENT AS A DISRUPTER
OF STRUCTURAL INEQUITIES ACROSS THE WORLD'S EDUCATION SYSTEMS:
BACKGROUND AND FRAMING POINTS

David Osher
dosher@air.org

MAKING
RESEARCH
RELEVANT



THE SCIENCE OF LEARNING AND DEVELOPMENT

Enhancing the Lives of All Young People



EDITED BY PAMELA CANTOR AND DAVID OSHER

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.

Agenda

- Opening Remarks and Overview of Book– David Osher (10 minutes)
- Presentation from Pam Cantor and Zaretta Hammond (25 minutes)
- Framing the Discussion– David Osher (6 minutes)
- Discussants' Responses
 - Mahlapahlapana Themane (10 minutes)
 - Santiago Rincon-Gallardo (10 minutes by video)
- Facilitated open Q&A from audience (25minutes)
- Closing Remarks – Andrea Chiba (2minutes)



The Science of Learning and
Development (SoLD) 2022

The Historical Moment

- Negative Trends -- amplified by Covid
- Increasing inequality
- Environmental degradation and its consequences
- Economic disruptions
- Intellectual and systemic fragmentation
- Skepticism regarding science and its misuse
- Ethnocentric nationalism

- Positive Trends
 - Advances in sciences and methodologies related to learning and development
 - Including the syntheses presented here and the work of the science of learning development alliance
 - Advances In the conceptualization and understanding of individual and collective thriving, equity, well-being, resilience, and their importance
 - Transparency of the need for change

Growth & Change

- Experience, culture, support, and opportunity structures feed and frame change--both positively and negatively
- Motivation, Identity formation, agency, and meaning making drive and moderate change and development--including the sustaining of privilege and subordination
- Experiences, relationships, and environments and how we interpret them deeply shape how children and adults learn, develop, and act
- Relationships within these contexts & collective processes of meaning making are key drivers of change and the reaction to change

Social Support


- The importance of adult and peer support
- Adults also need support so that they can be
 - committed to all children and youth
 - have a capacity to:
 - attune
 - buffer stress
 - be culturally humble, competent, and responsive
 - support children's cognitive, social, and emotional development
 - provide instrumental and emotional support

Resilience and thriving are possible

- Adaptable, caring, and supportive relationships
- Wellbeing, agency, groundedness
- Strong social and emotional competencies
- Safe and supportive environments

Reading and using the science of learning development

- The Inextricable links Between and among
 - social, emotional, & cognitive, development
 - individual and collective wellbeing and ill being
 - social, cultural, and historical contexts
- Read and use the science of learning and development with attention to historical, social, and cultural factors that affect how children and adults learn, develop, and coach

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Framing the discussion in terms of
appropriation of SoLD and its use
for systems change and practices
that support robust equity

Appropriating
and using the
science of
learning &
development to
foster robust
equity and
decolonization

- Help adults so attune to, support, and collaborate with children in a culturally responsive manner
- Promote individual and collective well-being, agency, groundedness
- Collaborate with youth, families, and communities to address and challenge:
 - institutionalized racism and privilege
 - how it is manifest across the lives of individuals, families, and communities in every life domain

Implications of the chapters provided for the research community

- Actively address
 - epistemic injustice including whose voices are privileged and heard in research and research syntheses
 - privilege-sustaining frameworks and theories that reinforce, legitimate, and normalize privilege and colonization such as
 - victim blaming
 - genetic determinism

Goals for the next 45 minutes

- Learn from the global south
- Learn from work in other countries and work done since 2017
- Extend discussion and collaboration around learning, development, and robust equity