









My Presentation Today

- Introducing Resilience
 Definition: Capacity to adapt, recover, and grow stronger from adversity
 Biopsychosocial foundation: Interplay of biological, psychological, and social factors
 Shift from "What's wrong?" to "What's strong?"—wellness-centered over deficit-focused
- Simil from what sworp? to what subject weiness-centered over deficience/oused
 Is There a Crisis in Our Youth?
 Rising pressures: economic uncertainty, digital overload, shifting societal norms
 Mental health trends: increases in anxiety, depression, and burnout among young people
 Urgent need: protective factors and supportive environments as counterbalances
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 Al and the Future
 Accelerating change: Al's impact on education, employment, and social dynamics
 Opportunity vs. risk: Enhancing learning and creativity while managing digital overwhelm
 Preparing for unknown: Cultivating adaptability in a world reshaped by intelligent machines
 Applying Resilience Through Al
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- Personalized support: Al-driven platforms for stress monitoring and adaptive coping tools
 Data-informed interventions: Using predictive analytics to identify at-risk youth early
 Empowering self-efficacy: Camified resilience training and wirtual mentorship programs
 Ethical design: Ensuring Al solutions respect privacy, equity, and developmental needs







The purpose of life is to prepare the next generation for their future.

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Survival of the Species

- Salmon and snakes are born with sufficient instincts to survive.
- Bear cubs require at least one or two years with their mother to insure survival.
- Higher primates require three or four years.
- Humans require at least ten years.









harnessing assets and strengths.

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Resilience is a process focusing upon strengths to overcome adversity.

The idea of resilience has different meanings for different people, many of which are vague and contradictory.

Howard Kaplan

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Alternatively it might be argued that the concept of resilience is useful, precisely because it instigates so many conceptual or theoretical issues.

Howard Kaplan

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Does resilience refer to characteristics and outcomes of individuals or does it refer to characteristics and outcomes of more inclusive variables such as gender, intellect, etc.?





Is resilience defined in terms of the nature of the outcomes in response to stress or in terms of the factors that interact with stress to produce the outcomes?

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Is resilience reflected in the ability to bounce back from adversity or caused by adversity?

Resilience is a developmental process that involves individual differences in children's attributes (e.g. temperament, cognitive abilities) and environments (e.g. supportive parenting, enriched classrooms).

Kirby Deater-Deckard

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Resilient children are not simply born that way nor are they made from scratch by their experiences. Genetic and environmental experiences loom large as protectors against a variety of risks to healthy development ranging from resistance to bacteria and viruses to resilience to maltreatment and rejection.

Kirby Deater-Deckard

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Four Waves of Resilience Research

- Identifying person and variable-focused factors that make a difference.
- Identifying and understanding the operation of these factors within systems with a process focus.
- Intervening on an individual level to foster resilience.
- Intervening on a system-wide level to foster resilience.

Some General Predictors of Resilience

- Social relations
- Not experiencing a learning disability
- Easy temperament
- Competent parents
- Available parents
- Warm parental relationshipLiving above the poverty level

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Most Powerful Predictors of a Resilient Child

- Easy temperament
- Consistent family relationships
- Competent caregivers
- Development of self-esteem
- A sense of emotional security

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Questions in Need of Answers

- Is there a need for a conceptual process like resilience?
- Is resilience an evidence based concept?
- Is there sufficient research to suggest resilience is a powerful antidote for the myriad of adversities children face today?
- Is there sufficient research to suggest that resilience theory guide the practices of education, mental health and parenting?
- · Can resilience be measured?
- Can resilience be taught?



Let's Talk about AI For a Few Minutes



- Al learns from data: Artificial intelligence systems rely on large datasets to identify patterns, make predictions, or automate decisions.
 It's already everywhere: Al powers tools you use daily—voice assistants, search engines, spam filters, recommendation algorithms, and even smartphone cameras.
- There are different types: AI ranges from narrow AI (task-specific, like facial recognition) to the theoretical general AI (human-level intelligence across many tasks).
- It's not magic—it's math: Al systems, especially machine learning, are built on algorithms, statistics, and probability, not sentient thinking.
 Bias is a real risk: Al training on flawed data can reflect or amplify human biases, leading to unfair or harmful outcomes.
- It's reshaping jobs: Al is automating repetitive tasks, changing roles across industries, and creating new job categories that didn't exist a decade ago.

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The Global Youth Resilience Index is based on a study of 4,000 respondents from 9 countries and offers a global snapshot of young people's mental health, relationships and daily stressors.











Conclusions

- An early history of developing competence along with supportive, consistent care serves as a powerful and enduring buffer throughout childhood and increases probability of resilience.
- The behaviors and pathways that lead to resilience are complex.
- There is a great need to map the interaction of person and environment factors.

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Conclusions

- Longitudinal research needs to be on a large scale and gene-environment focused.
- We require a broader cross-cultural perspective.
- We need to know more about individual dispositions and temperament as well as sources of family support.

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Only then will we begin to know what makes the young of our species survive and thrive despite life's adversities.

Emmy Werner

The Mindset of a Resilient Youth

- Optimistic and hopeful.
- Feel special and appreciated in the eyes of others.
- Set realistic goals and expectations.
- View mistakes, hardships and obstacles as challenges.
- Solve problems and make decisions.
- Internal locus of control.
- Believe you can and set out to solve problems.
- Possess empathy.

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- Is resilience an evidence based concept? YES
- Is there sufficient research to suggest resilience is a powerful antidote for the myriad of adversities children face today? YES
- Is there sufficient research to suggest that resilience theory guide the practices of education, mental health and parenting? YES
- Can resilience be measured? YES
- Can resilience be taught? YES













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