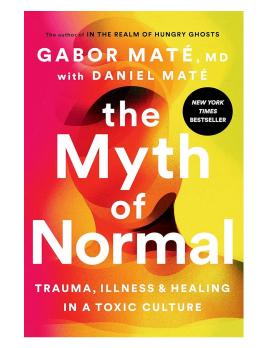
Neurobiology of Affects: Disrupting the Cycle of Trauma

Joseph A. Izzo Ellen McShane Margaret Thorsborne

What is Trauma?

Trauma is not what happens to you but what happens inside you.

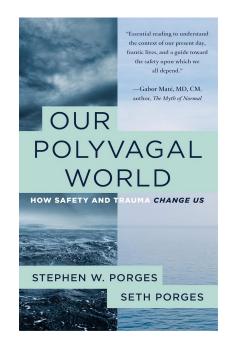
Gabor Maté & Daniel Maté <u>The Myth of Normal: Trauma, Illness & Healing in a Toxic Climate</u>



What is Trauma?

Trauma is a psychological phenomenonit is also a physiological one.

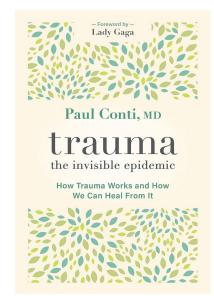
Stephen Porges & Seth Porges: Our Polyvagal World: How Safety and Trauma Change Us



What is Trauma?

Trauma is emotional or physical pain that often goes unseen but changes our brain biology and psychology.

Paul Conti: Trauma the Invisible Epidemic: How Trauma Works and How We Can Heal From it

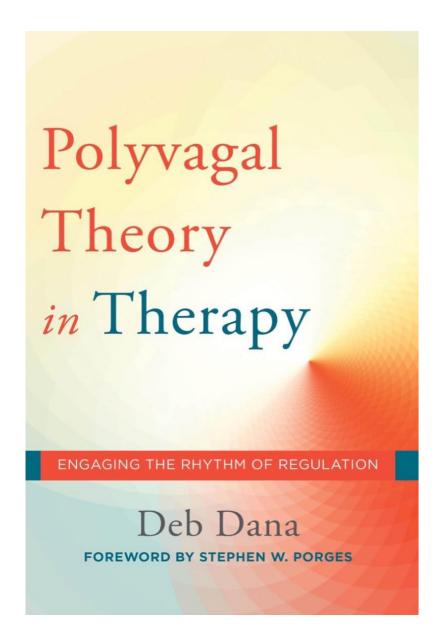


The Neurophysiology of Trauma

Joe Izzo on

Deb Dana's

 The Polyvagal Theory in Therapy: Engaging the Rhythm of Regulation



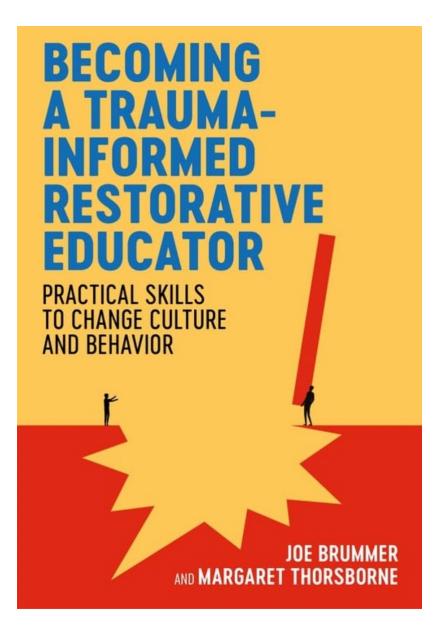
The Neurobiology of Trauma

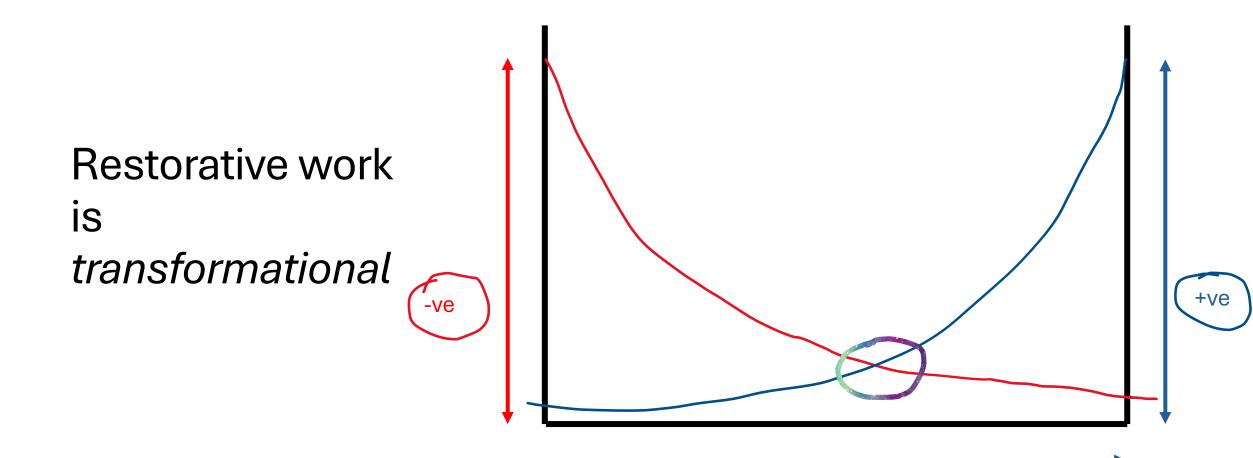
Marg Thorsborne on

Her book with Joe Brummer

 Becoming a Trauma-Informed Restorative Educator: Practical Skills to Change Culture and Behavior

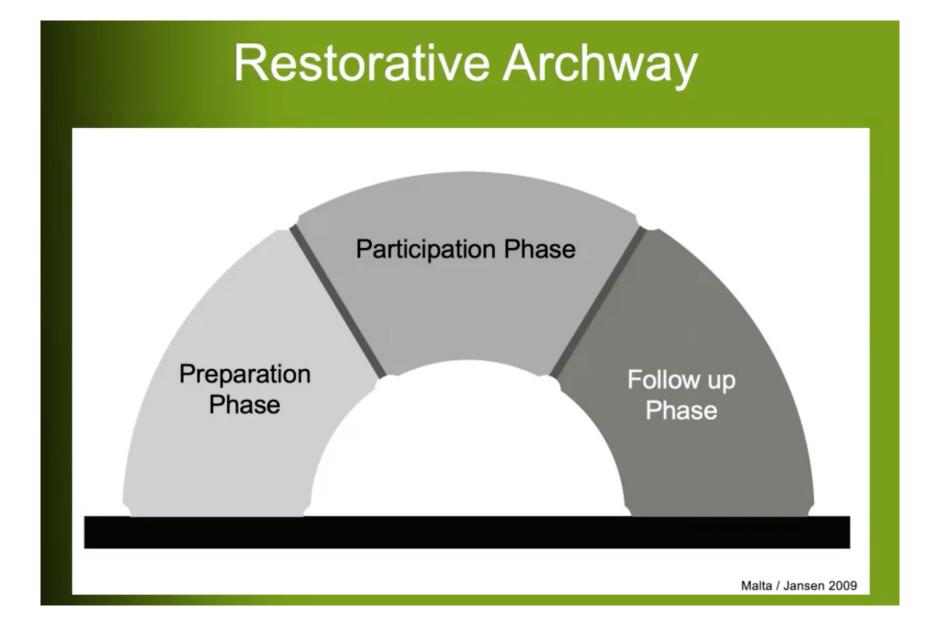
Release date 6/21/24





Brain state and social environments

AUTHORITARIAN	AUTHORITATIVE
Vigilance for threat Memory and executive functions hampered	Builds attunement, connections, cause and effect thinking, accountability, reflective, pro-social, trusting
Brain state: fluctuating anxiety, distracted, reactive, defensive	Brain state: relaxed alertness, attuned
NEGLECTFUL	PERMISSIVE
Negative impact on attention, memory, emotions and behaviour	Connects negative behaviours with positive feelings, reinforcing negative behaviours
Brain state: distress, hyper- vigilance	Brain state: passive, enabled





Be curious not furious...

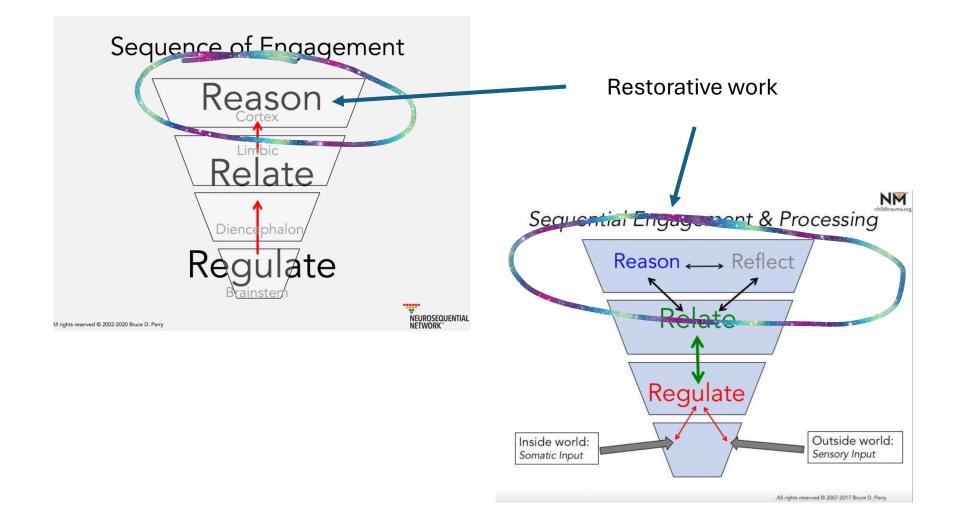


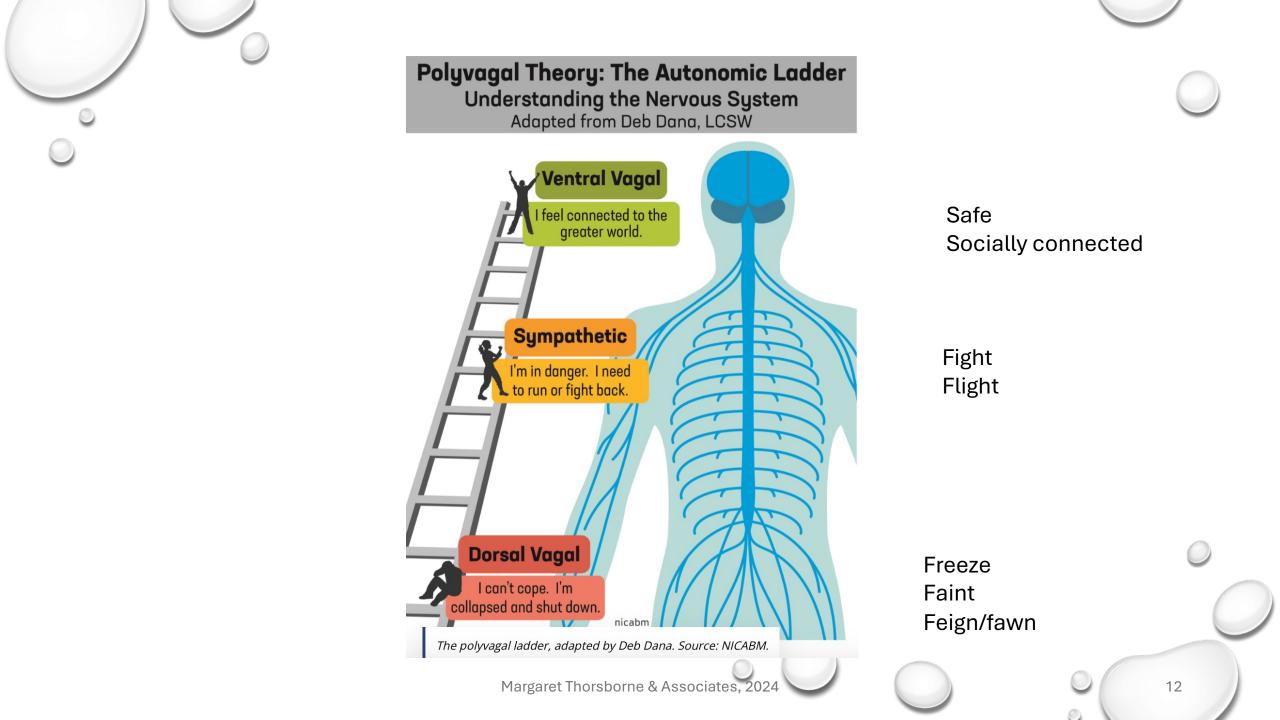
Explore, don't explode...



Understand don't reprimand...

Justin Coulson, 2019



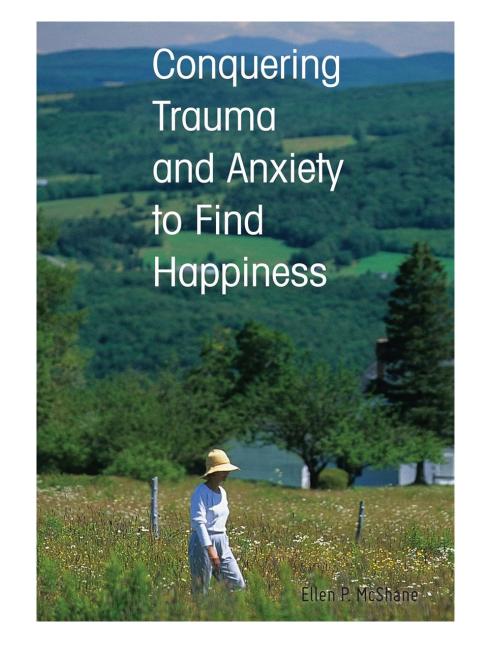


Affect Labeling

• Ellen McShane on

Her book

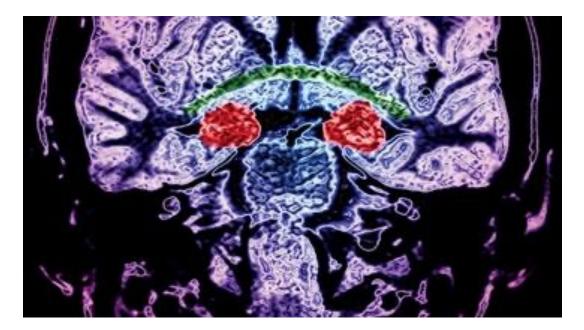
 Conquering Trauma and Anxiety to Find Happiness



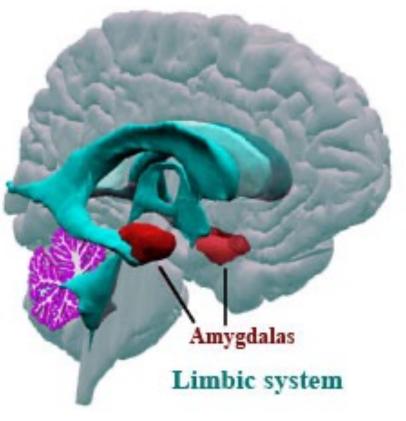
Affect Labeling

Voicing your Affects Releases the Pressure on the Brain/Amygdala and Increases the activity in the parts of the Prefrontal Cortex

Putting your Feelings Into Words



http://www.rebalanceclinic.co.nz/meet-your-brain-the-amygdala http://thebrain.mcgill.ca/flash/d/d_04/d_04_cr/d_04_cr_peu/d_04 __cr_peu.html/ http://oglobo.globo.com/sociedade/saude/cerebro-humano-ficamais-lento-partir-dos-24-anos-aponta-estudo-12213203



The Power of the Words

"Language is the lens of thought through which affects can be brought to a magnifying, searing, white-heat focus."

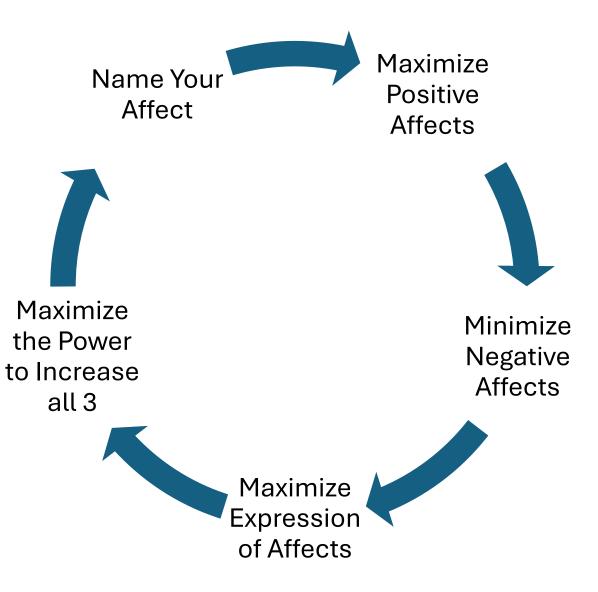
Affect Imagery Consciousness, S. Tomkins, p. 325



Affect Script Theory's Central Blueprint for Motivation

- 1. Maximize Positive Affects
- 2. Minimize Negative Affects
- 3. Maximize the expression of all affects (minimize affect inhibition)
- 4. Maximize the ability and power to achieve all 3 rules above

Central Blueprint for Motivation



Suggested Readings

Barrett, L. F. (2017). *How emotions are made: The secret life of the brain*. HarperCollins Publishers.

Brummer, J. & <u>Thorsborne</u>, M. (Release date: June 21, 2024) *Becoming a Trauma-informed Restorative Educator: Practical Skills to Change Culture and Behavior*. Jessica Kingsley Publisher

Conti, P. (2021). *Trauma: The invisible epidemic: How trauma works and how we can heal from it*. Sounds True.

Dana, Deb. (2018). The Polyvagal Theory in Therapy: Engaging the Rhythm of Regulation. W.W. Norton & Company.

Gibson, L. C. (2015). Adult children of emotionally immature parents: How to heal from distant, rejecting, or self-involved parents. New Harbinger Publications, Inc.

Suggested Readings

Kelly, V.C., & Thorsborne, M. (2014). *Psychology of Emotion in Restorative Practice: How Affect Script Psychology Explains How and Why Restorative Practice Works*. Jessica Kingsley Publishers.

Maté, G., & Maté, D. (2022). *The Myth of Normal: Trauma, Illness, and Healing in a Toxic Culture*. Penguin Random House LLC.

Lieberman, M.D., Eisenberger, N.I., Crockett, M.J., Tom, S.M., Pfeifer, J.H., and Way, B. M. (2007). Putting feelings into words: Affect labeling disrupts amygdala activity in response to affective stimuli. *Psychological Science*, 18, 421-428.

McShane, E. P. (2020). Conquering trauma and anxiety to find happiness. Peter Lang.

Perry, B. D., & Winfrey, O. (2021). *What happened to <u>you?</u>: Conversations on trauma, resilience, and healing*. Harpo, Inc.

Suggested Readings

Perry, B. D., & Szalavitz, M. (2017). *The boy who was raised as a dog*. Basic Books.

Proges, S.W. (2011). The Polyvagal theory: Neurophysiological foundations of emotions, attachment, communication, and self-regulation. W.W. Norton & Company.

Porges, S. W., & Porges, S. (2023). *Our polyvagal world: How safety and trauma change us*. W.W. Norton & Company.

Van Der Kolk, B. (2014). The Body Keeps the Score: Brain, Mind, and Body in the Healing of Trauma. Penguin Books.