

 The Mandt System[®]


Utilizing a **research** - based continuous **learning** and **development** approach



Since 1975 we have partnered with organizations worldwide to create healthy relationships

Neurology, Behavior, Stimulus, Trauma, and Other Scary Words!!


14th Annual International Fragile X Conference
Tim Geels, MA
July 18, 2014

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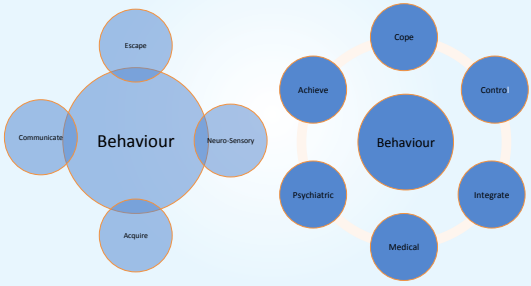
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Defining Behavior



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Escaping to Safety

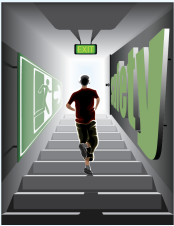


- "When startled and caused to flee, animals **escape to safety**, they do not merely escape from danger.
- The fleeing animal is not stressed by the fear evoking stimulus but becomes distressed only if its ability to detect the threat is obstructed (predictability)
- or its **escape to safety** is impeded or blocked (controllability). (Lindsay, 2008)

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Escaping to Safety

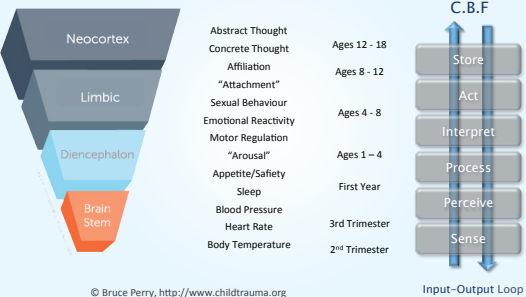


- When we respond to behavioral challenges
- We usually block escape attempts
- We need to help people **escape to safety**
- And then teach them how to respond to danger in the future

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Psychology Follows Neurology



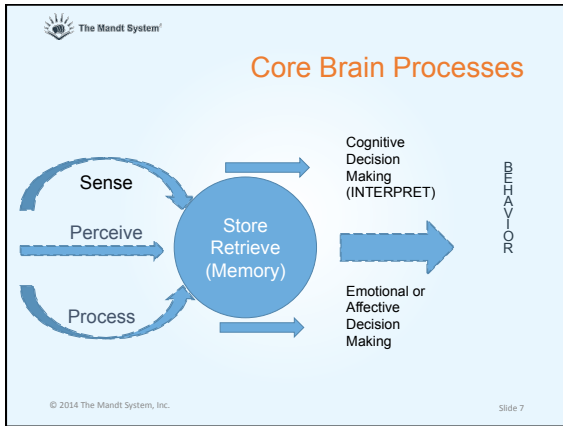
Neocortex	Abstract Thought Concrete Thought	Ages 12 - 18
Limbic	Affiliation "Attachment"	Ages 8 - 12
Diencephalon	Sexual Behaviour Emotional Reactivity Motor Regulation	Ages 4 - 8
Brain Stem	"Arousal" Appetite/Safety Sleep	Ages 1 - 4
	Blood Pressure Heart Rate	First Year
	Body Temperature	3rd Trimester
		2nd Trimester

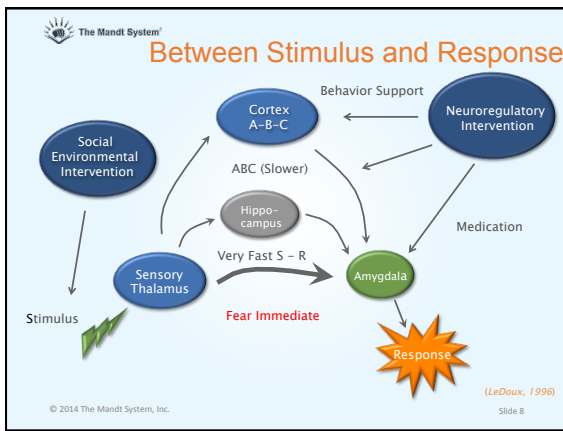
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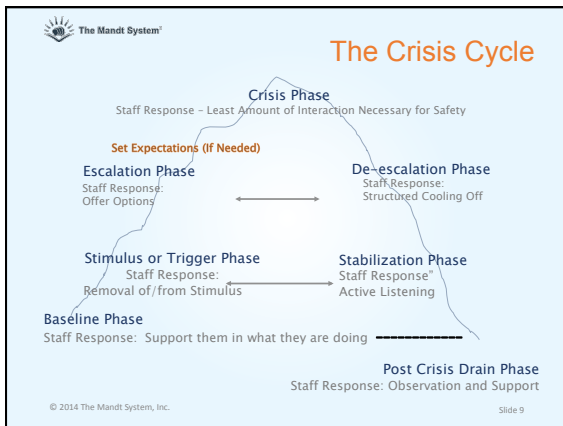
Store
Act
Interpret
Process
Perceive
Sense

Input-Output Loop

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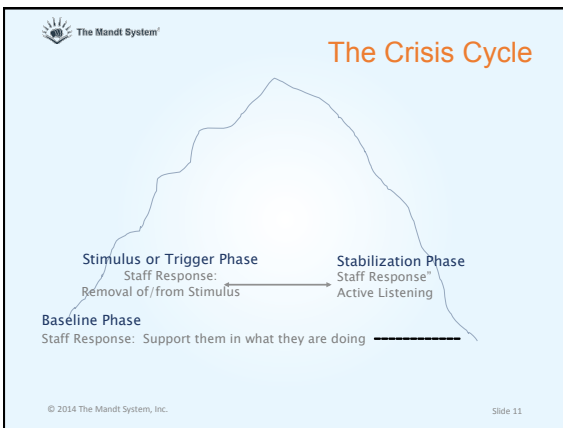
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Dr. Bruce Perry and The Mandt System, Inc.

Trauma and The Crisis Cycle

	NeoCortex Calm	SubCortex Arousal	Limbic Alarm	Midbrain Fear	Brainstem Terror
Mental State	Baseline	Stimulus	Escalation	Afraid	Terrified
Sense of Time	Extended Future	Days Hours	Hours Minutes	Minutes Seconds	Loss of Sense of Time
Cognition	Abstract	Concrete	"Emotional"	Reactive	Reflexive
Behaviour	"Normal"	Vigilance Avoidance	Resistance Compliance	Defiance Disassociation	Aggression Fainting
Prevention Strategies	Maslow's Hierarchy of Needs	R.A.D.A.R.	R.A.D.A.R.	R.A.D.A.R.	R.A.D.A.R.
De-escalation Intervention Strategies	Support the person	Remove Stimulus	Offer Options	Set Expectations	Least Amt Interaction

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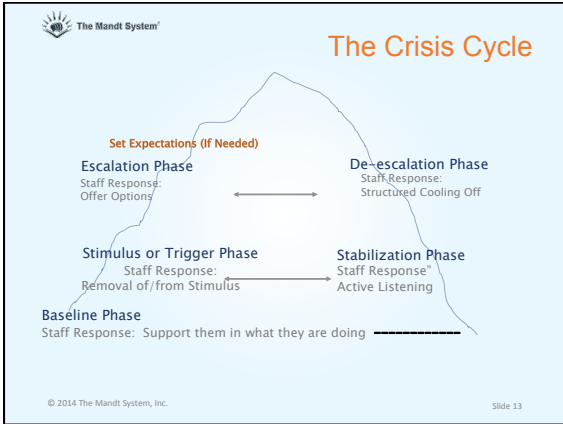
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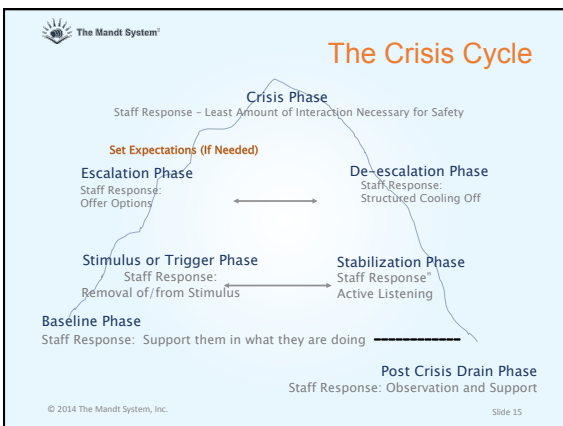
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Trauma and The Crisis Cycle
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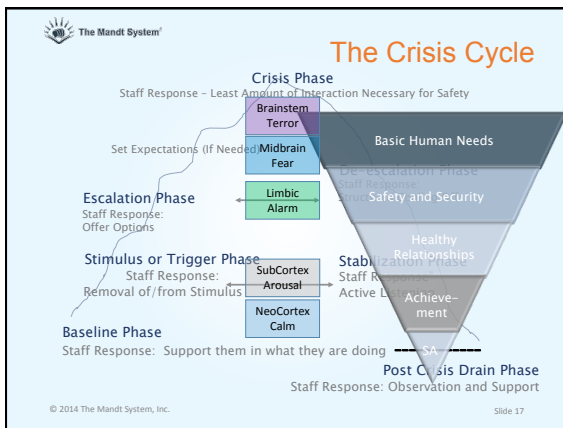
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More Information?

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