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### Take care of you today....

The content of this training can evoke strong emotions and may trigger personal experiences of trauma.

Please be mindful of your own wellbeing during this training and if you need support please do what you need to do to feel safe. We are happy for you to talk to the facilitator if you need to.

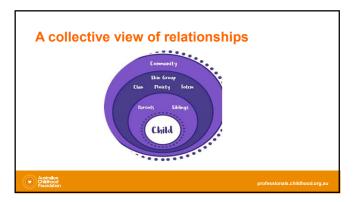


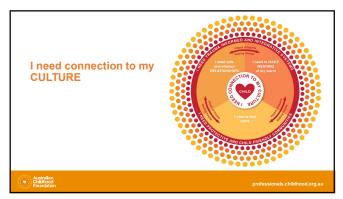
Image: Hellovector.com

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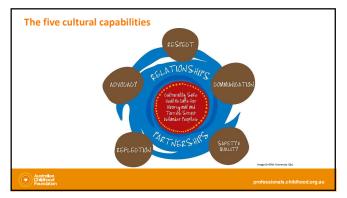










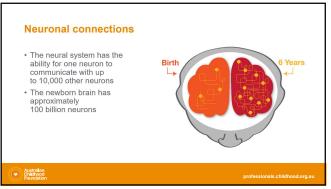


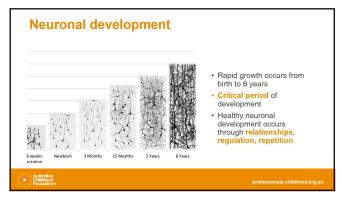


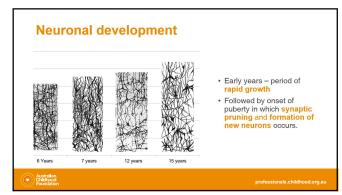


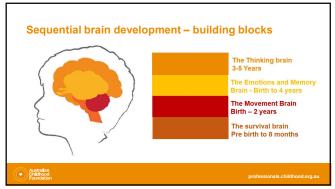


### Brain development The brain develops through a mix of genetics and environmental factors. Key to this development are relationships The brain develops sequentially from the bottom up









## Brainstem - basic life functions Basic life functions First part of our brain to develop This is the most developed brain part at birth Responsible for our heart beat, breathing, sucking, temperature control, blood pressure Apracates Professionals childhood.org. 80

### Cerebellum- movement and balance

- Helps us to know where our body is in
- Helps us with our posture and balance
- Helps us not to fall over and to control our movements
- · Has its own connective pathways between the 2 halves- cerebellar vermis



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### Diencephalon - sorting & sending centre

- This area of the brain develops mainly after birth
- It sorts out messages coming into the brain and sends them
- It uses hormones to send signals to body
- Hormonal signals tell your body what it needs, eg. food, water, love



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### Limbic lobe- emotional gateway

- The part of the brain that helps us attach an emotion to an experience or memory
- This part of the brain is particularly involved with the emotions of fear and anger
- Also heavily involved in attachment processes
- This area develops mainly after birth



### Amygdala – smoke alarm

- · Detects threat
- · Develops from birth
- · Learns by association
- Involved in implicit memory processes



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### Hippocampus – Brain's historian

- · Explicit memory system
- Develops approximately 2-3 years of age
- Provides context to memory and embeds long term memory



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### Neuroplasticity is hope The brain is at its most plastic in early childhood, the brain is most vulnerable to harm, but also has the greatest potential for healing Neuroplasticity gives us hope

### Cerebral cortex- complex thinking

- The largest part of the brain
- Associated with higher brain function such as thought and action
- Examples of functions:
  - Reasoning

  - LogicJudgementVoluntary movement



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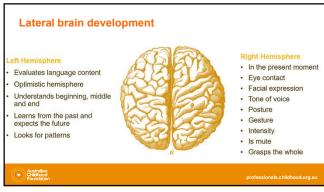
### The prefrontal cortex- executive function

- Responsible for executive functions, such as judgement, reasoning, and self-awareness
- Final part of the brain to reach maturity in one's mid 20s
- Under reconstruction in adolescents from the age of approximately 12 years

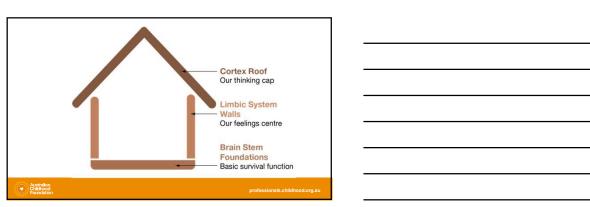


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### Staged/Safe- A brain development metaphor - My Brain House

- Our brain house can experience adversity. This can effect its structural integrity. If we get rattled our thinking cap roof can come off, leaving our feeling walls exposed. This can lead to strong emotions coming out without our thinking cap to help us contain our feelings.

  When this happens we can struggle to find words to communicate as our words flew off with our thinking cap roof.

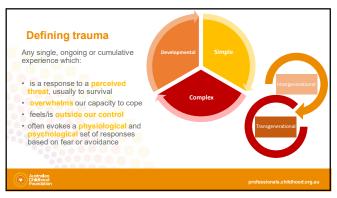
  If we are deeply shook our roof and walls might come down and leave only our foundation. Our foundation is very strong and reliable. In these times we have our basic life functions to focus on to get us through- eg, our breathing, our heartbeat.

  Everyone's rooves blow off from time to time. Given we have all built our own brain houses, we are all equipped to support each other to repair our houses together.

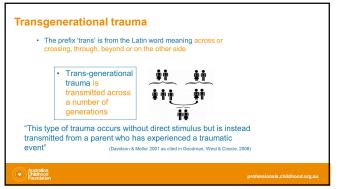
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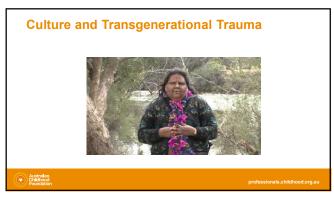


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## Intergenerational Trauma • The prefix 'inter' is from the Latin meaning between, or among, together or mutually together • Inter-generational trauma is passed down directly from one generation to the next • Inter-generational trauma occurs directly through experiencing the trauma or from seeing or hearing about it

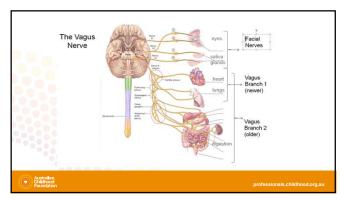








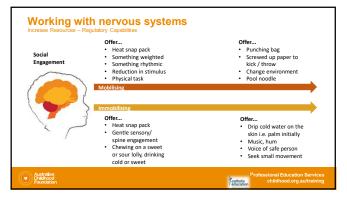


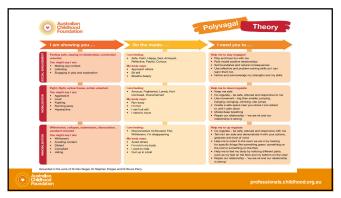


Behavioural Functions	Body Functions by Stephen Porges
Social Engagement Soothing and calming Indicates safety	Lowers or raises vocalisation pitch     Regulates middle ear muscles to perceive human voice     Changes facial expressivity     Head turning     Tears and eyelds     Slows or speeds heart rate
Mobilisation Fight or Flight Active Freeze Moderate or extreme danger	Hyper arousal - Increases hear rate - Sweat increases - Inhibits gastrointestinal function - Narrowing blood vessels - to slowblood flow to extremities - Release of adminaline
Immobilisation Collapse or submission Death feigning Increased pain threshold Conserves metabolic resources Life threatening situations	Hypo - arousal - Slows heart rate - Constricts bronchi - Stimulates gastrointestinal function

# Containment- help me feel back in my body Grounded- Help me feel present in the Here and Now. Present- Stay with me, help me know I am not alone in my distress Notice and name things you can see things you can hear things you can smell thing you can taste 1 thing you can taste









### Reflection

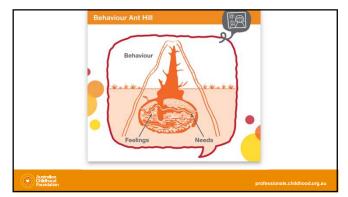
- What do you need to feel safe and secure with your KWY worker?
- $\bullet$  What  $% \left( 1\right) =\left( 1\right) \left( 1\right) =\left( 1\right) \left( 1\right) \left( 1\right)$  where  $\left( 1\right) \left( 1\right) \left( 1\right) \left( 1\right)$  is a sum of the things that make you feel at ease?

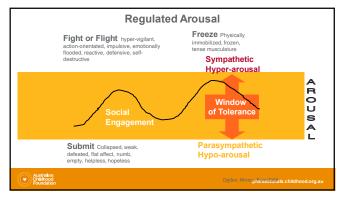
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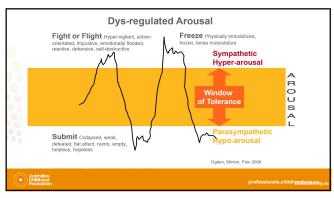
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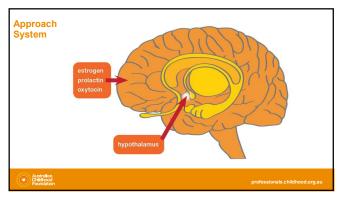












### Early Adversity impacts our Parenting ability

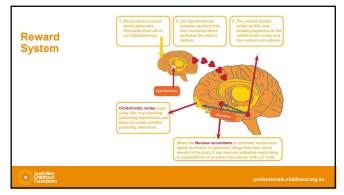
The environment we grow up in can shape how we use our right and left brain systems of avoidance and approach. If we begin life exposed to insensitive caregiving our right brained harm avoidance system is likely to be used a lot. Instead of feeling protected and connected with our caregiver, we are more likely to need to shift into a defensive state of protest or collapse in order to try to protect ourselves.



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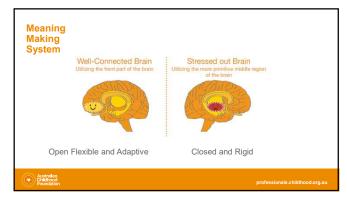
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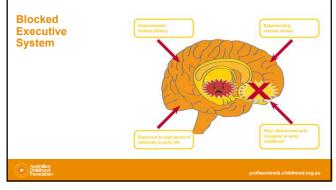
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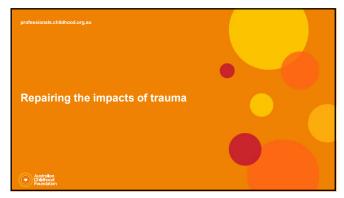


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Repairing the impacts of trauma	
Relational (safe) Relevant (developmentally-matched to the indiv Repetitive (patterned) Rewarding (pleasurable) Rhythmic (resonant with neural patterns) Respectful (of the child, family, and culture)	vidual)
Bruce Perry, as cited by https://attachmentdisorderhealing .com/developmental-trauma-3	Image: hellovector.com
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### Safety and listening the child

- Model attunement
- Ensure that the child is seen and kept in focus throughout the assessment and that account is always taken of the child's perspective
- Are they ready-how long can you sit and wait
- Validate what the child is feeling
- Check meaning
- Make sense of what is happening for the child
- What will have meaning

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### PACE Playfulness Accepting Curious Empathetic

### **PACE Helps**

- The social engagement system come online
- Connect the prefrontal cortex (thinking brain) to the lower regions of the brain (emotional and survival brain)
- Calm the threat sensing amygdala by sending a message of safety.
  Connect children and their caregivers
- Aid the growth of regulation skills.
- Build the ability to reflect
   Develops the child make meaning of themselves, their stories and

PACE uses all 5 parent brain systems (approach, reward, child reading, meaning making and executive)

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### **Key considerations**

- There is no magic wand!
- It takes time and patience: persistence and repetition is a must
- You matter in this work!
- Your relationship with the child is key
- Each child is individual which adds to the complexity
- · Trial and error is common
- A titrated approach is important



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### Respect diversity in cultures and child rearing practices while keeping child safety paramount

Respecting diversity should be taken to mean 'having the same aims for people's wellbeing and safety but findings different ways to achieve them' that are more appropriate to the person's different perspective.

- Being child-safe respects cultural difference:

  thinks about safety and wellbeing concepts from a cultural perspective
- takes steps to develop cultural competence to respond in a culturally appropriate manner
- takes guidance from experienced others (for example, seek advice from recognised Aboriginal or Torres Strait Islander organisations in regards to the needs of children from these backgrounds), and
- · approach family cultural contexts with sensitivity.



