



Culture is part of development

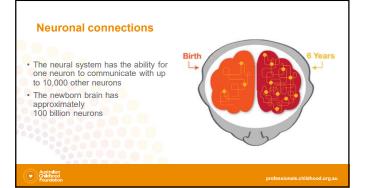
- Our culture influences our brain development
- Our relationships influence our culture and our culture influences our relationships
- Sensory data is interpreted according to our culture long before our ability to think about and understand our culture



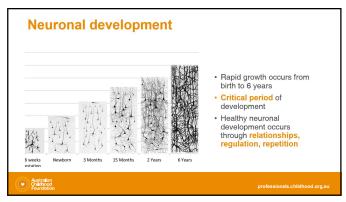
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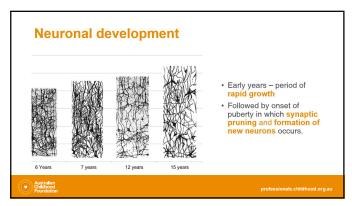
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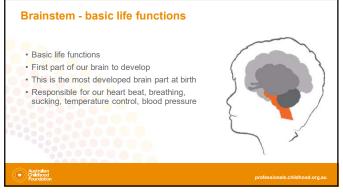
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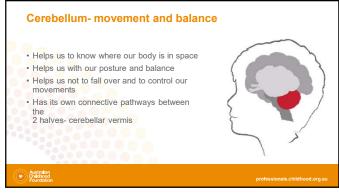


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Diencephalon - sorting & sending centre

- 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



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Amygdala & Hippocampus

Amygdala

- the 'smoke detector' of the brain
- is mature at birth
- processes & stores implicit memories

Hippocampus

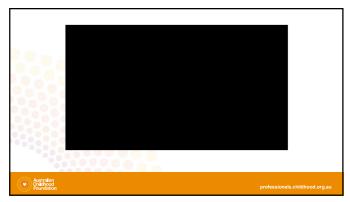
- matures between 2-3yrs of age
- provides context to memories & embeds into long-term memory

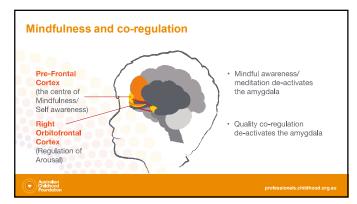


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Cerebral cortex- complex thinking The largest part of the brain Associated with higher brain function such as thought and action Examples of functions: Reasoning Logic Judgement Voluntary movement Profesionals childhood org.su





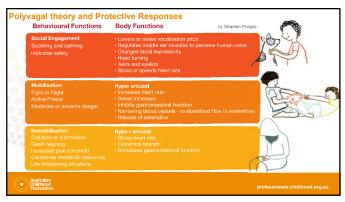




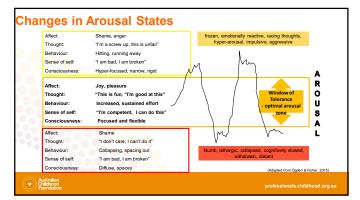


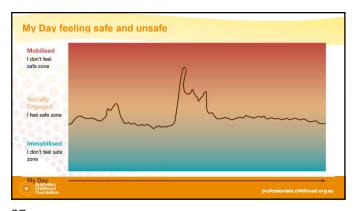
| An introduction to the Pone | |
|--|--|
| Cues of risk and safety are continually moni | tored by our nervous system. |
| "Before we can engage in social be must first feel s | |
| (Porges, 2015, p.115). | |
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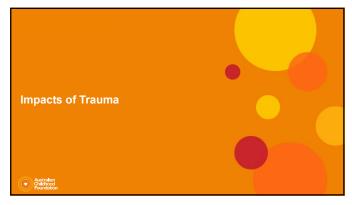


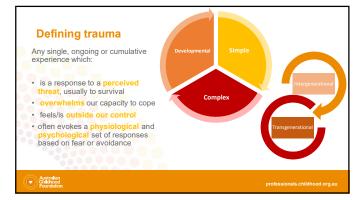


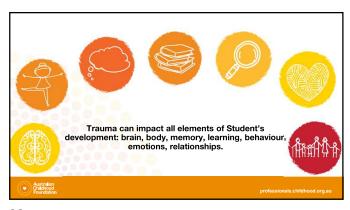
| What trauma or Cognitions & Behaviours: Asking lots of questions Bravado (speech or actions) Attention, concentration and memory difficulties Black & White thinking, negative thoughts Generalised worries Rigid thinking & behaviours Compulsions/ repetitive behaviours Ruminating – what if's, | Mobilised Responses: Hypervigilant Edgy/jumpy Irritable – easily annoyed Poor recovery from distraction Silly', loud, over-excitement Unsettled, sleep difficulties Unstrusts, aggression Defensive, taking things personally Increased expectations of self and others Inflexible, 'controlling' | Immobilised Responses: Flat, numb affect Disengaged, disinterested Withdrawn "boredom" Lethargic, unmotivated Disconnected from peers Developmental regression – e.g. with abilities to self-soothe, self-care/hygiene, toileting Changes to appetite |
|---|--|--|
| should, cyclic thoughts Australian Childhood Childhood | Sensitive to sensory input | professionals.childhood.org.au |



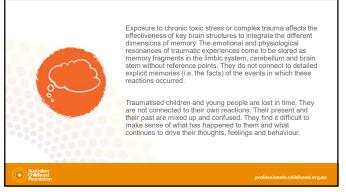












Traumatised children and young people stop practising integrating their feeling states (a function of their right hemisphere) with words and constructs (a function of their left hemisphere) they can use to know and communicate about their internal sensations. They have limited emotional literacy. They do not easily understand their own feelings. They find it hard to attribute language to them and describe them meaningfully for others to understand.

Consistent, congruent and validating responses give them effective blueprints for organising their internal world.

Children need positive experiences of connection as the basis for them to learn how to:

• problem solve;
• feel safe to explore new situations;
• manage their feelings;
• remember the positive feelings associated with forming relationships; and,
• have a working model for initiating and maintaining relationships.

Traumatised children have poor connective experiences. Their working models are built on fear and mistrust. Supporting children to re-experience relationships differently is the key to trauma recovery and change.

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Trauma-based behaviour, in general, serves important adaptive functions. It often makes sense in the context in which it first emerged. However, it can become counterproductive if it continues after the need for it has changed.

Comfort Seeking
Seeking connection
Self-Protection
What feelings are under the behaviour?
What needs are under the behaviour?

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| Domains | Domain Explanation | Translated into needs statements |
|-------------|---|---|
| Staged | The brain develops sequentially. Sophisticated functions only emerge after basic functions are consolidated. We should resource children in line with what their developing brain's need. | Children's brains need support to grow and learn My brain grows upwards step by step |
| Predictable | Uncertainty and unpredictability can disrupt emotional wellbeing and threaten social competence. Strategies which promote stability and familiarity enhance social and emotional wellbeing. | Children need to know what they can count on I feel better when I know what is coming next. |
| Adaptive | Familiar behavioural routines are more likely to be enacted in response to life challenges than new ones. Familiar routines may not always be constructive. Strategies which promote adaptability in children's behavioural routines are ones that meet children creatively with multiple options for intervention. | Children need support to grow up healthy and strong There are things I need to grow up healthy and strong. |
| Connected | Children's internal maps for forming, maintaining and being in relationships are affected by their experiences of relationships throughout their lives. Negotiating relationships at school can be a source of stress when children have found them hard or unsafe in the past. Relationship with safe and consistent adults and peers form the foundation for change. | Children need to feel like they are connected. I need to feel like I am connected. Children need to feel safe and know about what |
| | | makes a safe connection. I need to feel safe. I need safe connections in my life. |
| Enabled | All children can benefit from engaging in the process of understanding themselves more deeply. The capacity to identify feelings and learn how they relate to the body, thoughts, and behaviours is a worthwhile life skill. Learning to communicate feelings with each other enriches social cohesion. Making sense of our stories helps us to build coherent identifies over time. | Children need to know more about what makes them who they are. I grow stronger as I learn more about what makes me, me. |

Brain development is sequential One of the ways our brain develops is vertically, from the bottom to the top Some neurodevelopmental delays such as those effected by trauma can cause brain changes. However with the right support the brain can be repaired through neuroplasticity. Children's brains need support to grow and learn step. Australa. Octrex, reasoning and judgement centre Limbic system Emotional centre Emotional centre Emotional centre Emotional centre (cortex, reasoning and judgement centre Limbic system Emotional centre Emotiona

Staged- A brain development metaphor - My Brain House • We build our brain from the bottom to the top- like building a house • We reinforce parts of our house as we grow, with our roof continuing to develop into our mid 20s. • A student who is calm and focused at school will likely be functioning with a strong standing brain house, from foundation to roof. • In times of great stress bits of our brain house can come down and require repair. This is achievable and our brain house can stand strong again. • Cortex Roof Our thinking cap **Limbic System Walls **Our feelings centre* **Our feelings centre* **Foundations* **Basic survival function **Basic survival function **Proposition** *

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"I've come to a frightening conclusion that I am the decisive element in the classroom. It's my personal approach that creates the climate.

It's my daily mood that makes the weather.

As a teacher, I possess a tremendous power to make a child's life miserable or joyous.

I can be a tool of torture or an instrument of inspiration.

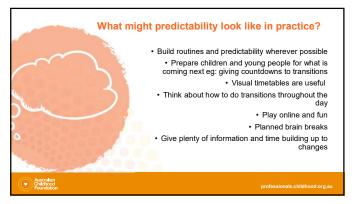
I can humiliate or heal.

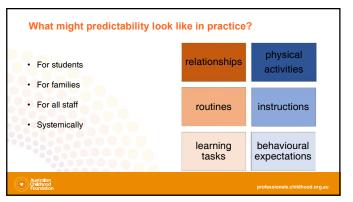
In all situations, it is my response that decides whether a crisis will be escalated or deescalated and a child humanized or dehumanized."

-Haim Ginot

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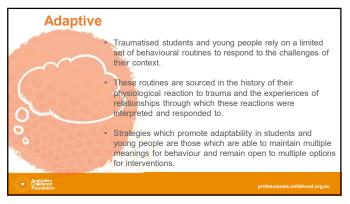






"I've come to a frightening conclusion that I am the decisive element in the classroom. It's my personal approach that creates the climate. It's my daily mood that makes the weather. As a teacher, I possess a tremendous power to make a child's life miserable or joyous. I can be a tool of torture or an instrument of inspiration. I can humiliate or heal. In all situations, it is my response that decides whether a crisis will be escalated or deescalated and a child humanized or dehumanized."

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When we feel understood, we become open to trying to understand others Always consider the underlying function of a caregiver's behaviours and reactions, as much as the child's Help caregivers to wonder about their child's inner world Develop openness and curiosity about behaviour If we can understand what drives a behaviour, we can work out how to respond to it If we can meet the need that is driving a behaviour, the behaviour can start to reduce Some clues: is the behaviour a fightflightfreeze/withdraw response? Is it related to hunger/tiredness? Is it a bid for connection or space?

What might adaptive look like in practice?

- See the needs beneath the behaviour
- Utilise strengths
- Psychoeducation in the virtual space
- Relationship, repetition, rhythm
- Use PACE
 - Playfulness
 - Acceptance
 Curiosity

 - Empathy



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Connected

- Student's relational templates for forming and being in relationships take shape as they grow. They learn what to expect and how to navigate relationships through their experiences of connection with those around them.
- We tend to expect things from relationships based on what we have known from past connections.
- Strategies to support students as their relational templates continue to develop emphasise relationships with safe and consistent adults and peers as the foundation for healthy, strong social and emotional functioning.

Students need to feel like they are connected.
Students need to feel safe and know about what makes

a safe connection.

I need to feel like I am connected.
I need to feel safe.
I need safe connections in my life.



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What might Connected look like in practice?



- The student feels safe and connected
- Co-regulation occurs
- A feeling of connectedness is what you get when you feel like you belong in a group, when you are with others of your
- Mirror neurons -eye contact
- Attuned listening.

| Enabled |
|--|
| Engaging students in the process of understanding themselves can build social and emotional well being. |
| Learning about and identifying feelings, understanding them and practice communicating them with others in socially cohesive ways bolsters emotional regulation. |
| When students know about their qualities, their attributes and their talents they can feel good about themselves. |
| Knowing about their own special story helps students to build a coherent self narrative |
| Students need to know more about what makes them who they are. I grow stronger as I learn more about what makes me, me. |

