

TAKING A DINYIB Into Development

Cortex

Limbic

Midbrain

Brain Stem

Due to things like ACE's (Adverse
Childhood Experiences), or our specific
trauma in childhood, we can
experience developmental delays in
different areas of the brain which can
uniquely, and severely impact our lives,
and those around us, even into
adulthood.

our brains
develop from
the bottom up

this helps provide context for individual behaviors, responses, learning, etc.



More on ACE's?

functions & responsibilities...

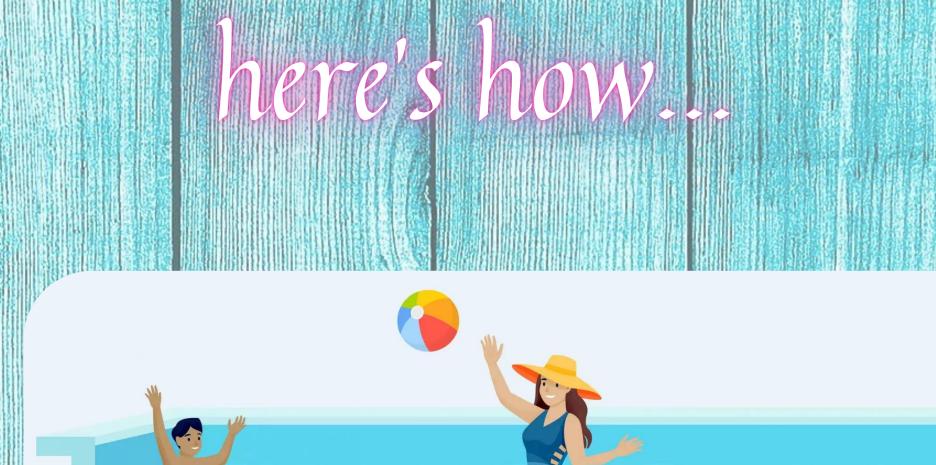
the **Brain Stem** controls all vital functions, including eating, breathing, eye movement, heartbeat, and swallowing - there can be no life without it.

The **Midbrain** is a tiny, but mighty, structure at the topmost part of the brainstem, which plays a crucial role in processing information related to hearing, vision, movement, pain, sleep, and arousal.

The **Limbic System** is involved in our behavioral and emotional responses. It is especially engaged in stress responses and behaviors we need for survival, such as feeding, reproduction and caring for our young, and fight or flight responses.

The **Cerebral Cortex** is associated with higher level processes, such as consciousness, thought, emotion, reasoning, language, and memory.





In the pool on the left, we can see a short end and a deep end. A child needs to be equipped with certain tools and skills before trying to enter the deep end. If a child tries to swim in water that is too deep for their skillset, they make risk their

Apply this same logic to brain development and we gain a better understanding for how trauma can impact us. Adverse Childhood Experiences (ACEs) can delay development in areas of the brain, leading us to feel overwhelmed in water that can get too deep before we're ready (at no fault of our own).

8ft+ DEPTH

why do we need to care about this?

Our students need us - many of whom are not equipped when stepping into the classroom. The more we can understand about the states and stages of the developing mind, the better we can serve and support our youth

