The Importance of Touch for Young Learners with Hearing & Vision Loss

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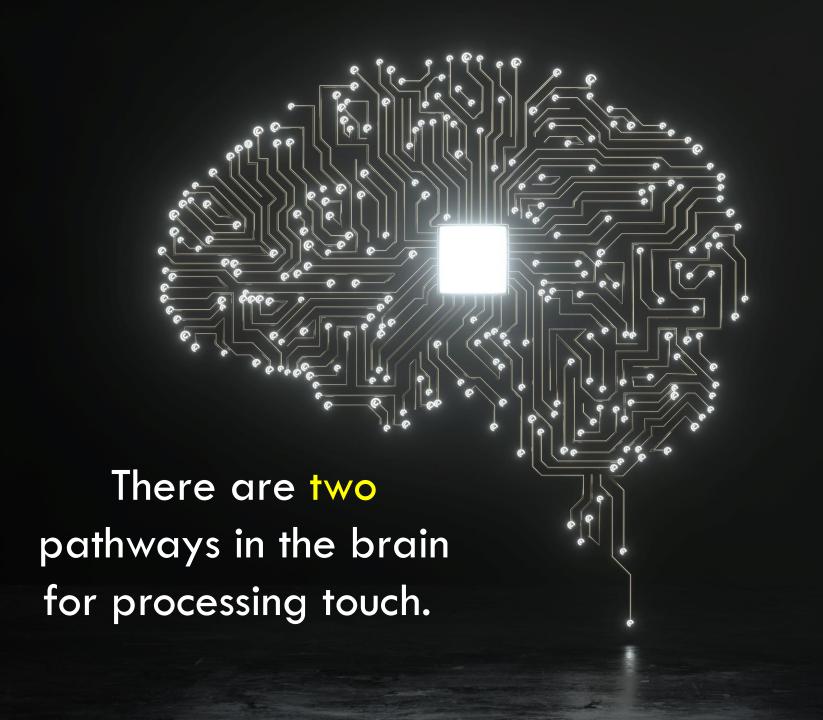


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Overview

- Why touch is important
- Tactile Cognition
- Enhanced access to touch leads to selfactualization
- Learning from DeafBlind Adults
- Best Practices for Learners who are DeafBlind





Discriminative Touch

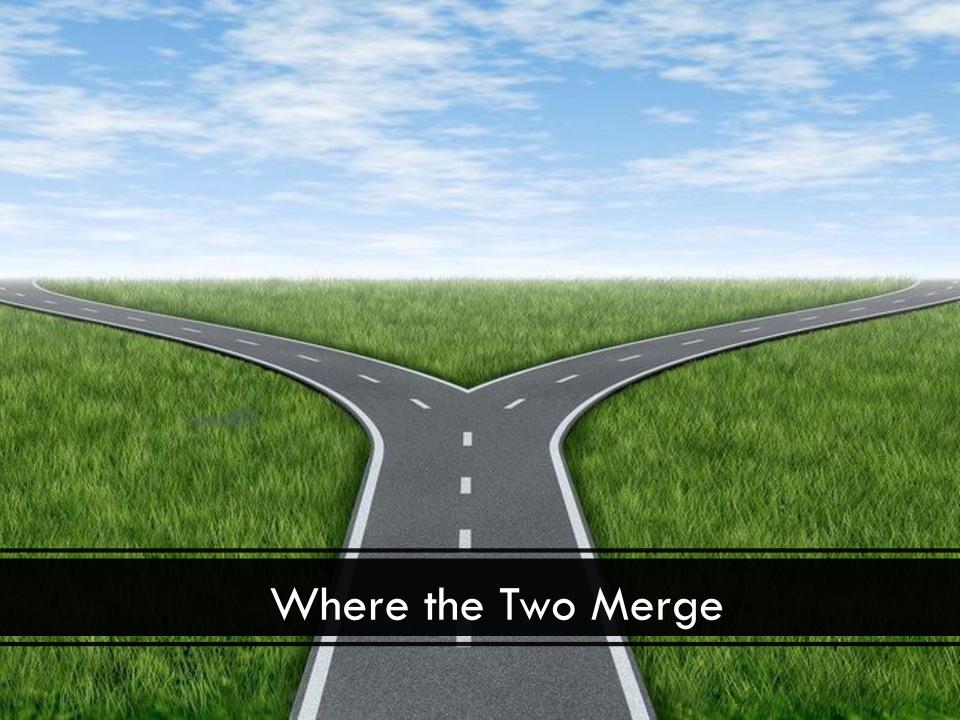
- The *facts* about touch
- vibration
- pressure
- location
- fine texture



Social & Emotional Touch

• the emotional content of interpersonal touch using different sensors in the skin.



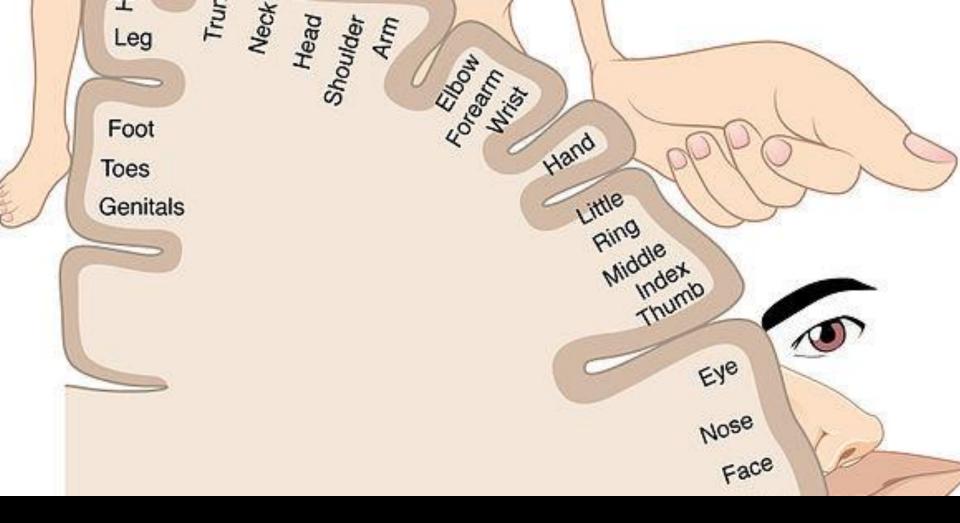


Touch is a matter of SCIENCE

All humans experience forms of touch

Only very rare cases of 'touch blindness' or damage to the central nervous system, traumatic brain injury





Cortical sensory homunculus

 Portion of the human brain directly responsible for the movement and exchange of sensory and motor information of the body

Studies show significant and longstanding impact on the global development in children when there is the absence of touch in infancy or the presence of negative touch



Early touch in the life of an infant is critical.



California Deafblind Services – Belote, Brown & Maier



"Much evidence now points to the importance of touch in child development and suggests the possibility that these orphaned infants are not suffering from maternal deprivation, per se, but from sensory deprivation, and more specifically a deprivation of mechanosensory stimulation."





What is Kangaroo Care?

Why is it important?

What are the benefits?



Whenever possible, mothers and babies should be in direct contact for at least the first 1–2 hours after birth.

In skin-to-skin care, the baby is naked (a dry cap is okay, as is a diaper), and is placed on the mother's bare chest, between her breasts.

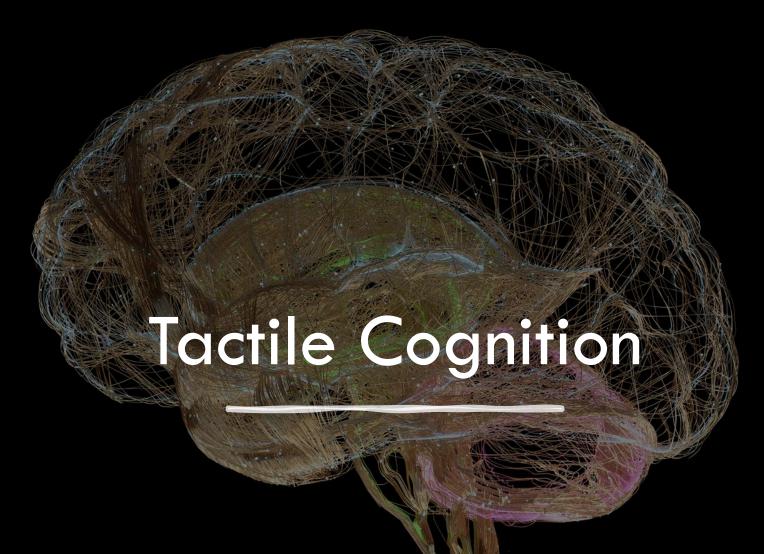


- Within minutes the mother and baby begin to relax.
- The baby's body temperature, breathing, and heart rate stabilize
- Transfer of good bacteria
- Reduced pain during clinical procedures



- We lose touch receptors over time
- They tend to peek
 around age 16 18
 and then begin to fade
- Early introduction is better





"Tactile cognition refers to the higher order processing and integration of tactile information through active touch."

How do we develop tactile cognition in learners who are DeafBlind?





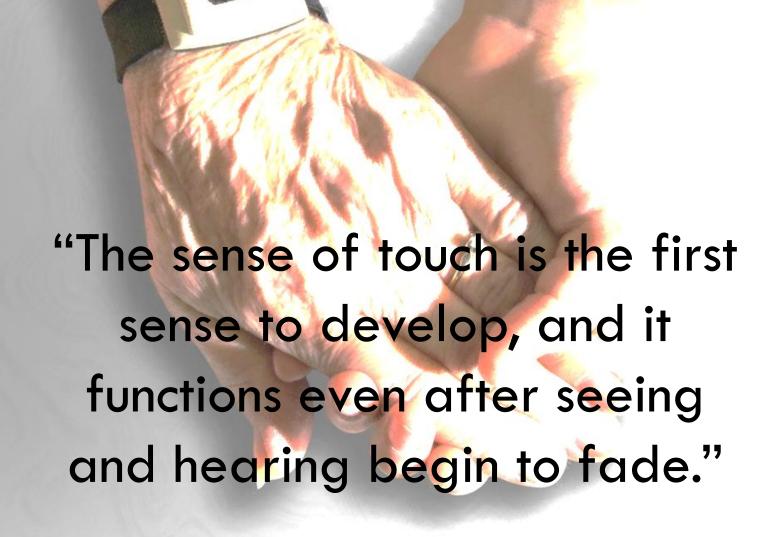
Invitation to
Touch Allows for
Self-Exploration





Meaningful Tactile Information for Orion

-Heather Withrow, Mother



"When part of the sensory cortex is not used for a long time, the area changes.

Instead of 'throwing out' the area of the brain that is no longer used, the brain "recycles" the neurons."





Learning From DeafBlind Adults

"Protactile language allows DeafBlind people to give, receive and exchange information through a tactile channel, rather than relying on auditory or visual channels to access information and language."



"ProTactile philosophy is not just about 'accessing' communication; it affects all areas of life, including DeafBlind culture, politics, empowerment, and language."



Increased positive touch

Increased neural pathways

Increased selfawareness & self-actualization

Increased connections

Early & consistent tactile exposure

Increased tactile cognition

Increased
SelfActualization

Multi-Modal, Constant Contact, Availability, Respectful Touch, Wait Time, Assistive Technology Parker with Intervener, Cindi







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