







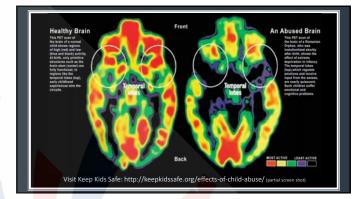






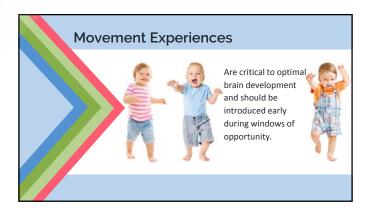
Brain Wiring

100 billion neurons intricately connected, making possible the underlying human behavior.

















Recommendations

- Provide children with lots of sensory-motor experiences, especially of the visual-motor variety.
- Include a variety of basic gross-motor activities that involve postural control, coordination of movements, and locomotion – crawling, creeping, body rolling, and jumping.



NFANTS

INTERACTION & EXPLORATION Infants should interact with parents and/or caregivers in daily physical activities that are declicated to promoting the exploration of their environment.

DO NOT RESTRICT MOVEMENT Infants should be placed in safe settings that facilitate physical activity and do not restrict movement for prolonged periods of time.

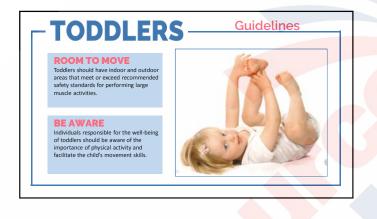
PROMOTE MOTOR SKILLS

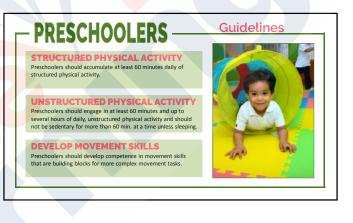
Infants' physical activity should promote the development of movement skills.

Guidelines

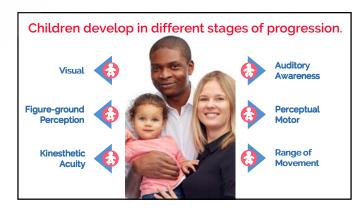












Visual

This has implications in the environment for children. Other ways that children develop that should be taken into consideration such as Visual. Visually most children can perceive spatial orientation of objects by age eight.



Figure-Ground Perception

Other ways that children develop that should be taken into consideration such as figure-ground perception which improves rapidly between ages 4-8.



Kinesthetic Acuity

Movement awareness (kinesthetic acuity) is the ability of the body to detect differences or match qualities such as location, distance, weight, force, speed, and acceleration. This reaches adult levels by age eight.



Auditory Awareness

Hearing or auditory awareness and the abilty to identify auditory sounds continues and improves significantly by ages 8-10.



Perceptual Motor

Perceptual motor development is the ability of the body to perceive stimuli from various senses and then translate the information into motor activity. This is also called inter-sensory integration.



Range of Movement

Children develop in different stages in progression. Range of movement (vestibular apparatus) function is the ability of the hearing system to provide information to the brain about the movements of the head. Thus the ears are important.



Range of Movement

Must offer a full range of opportunities for children to use their bodies in different positions in space. Including:

- being static on equipmentable to move in different
- ways (upside down, sideways, backwards)
- able to move different body parts, able to move at different speeds.





NEXT webinar

Facilitating Movement to Promote Motor Development

Tuesday, February 13, 2018 1:30-2:30 PM Eastern Time



0	Optimizing Early Brain and Motor Development Through Movement Carl Gabbard, Ed. D., and Luis Rodrigues, http://www.earlychildhoodnews.com/earlychildhood/article_view.aspx?ArticleID=360
	The Significance of the Young Child's Motor Development "The Young ChildWhat Movement Means to Him" Keturah E Whitehurst
	The Effects of Child Abuse on the Developing Brain Keep Kids Safe, viewed November 28, 2017 http://keepKidsafe.org/effects-of-child-abuse/
	From Playgrounds to Play/Learning Environments Commonwealth of Virginia Department of Education, Fall 2003



