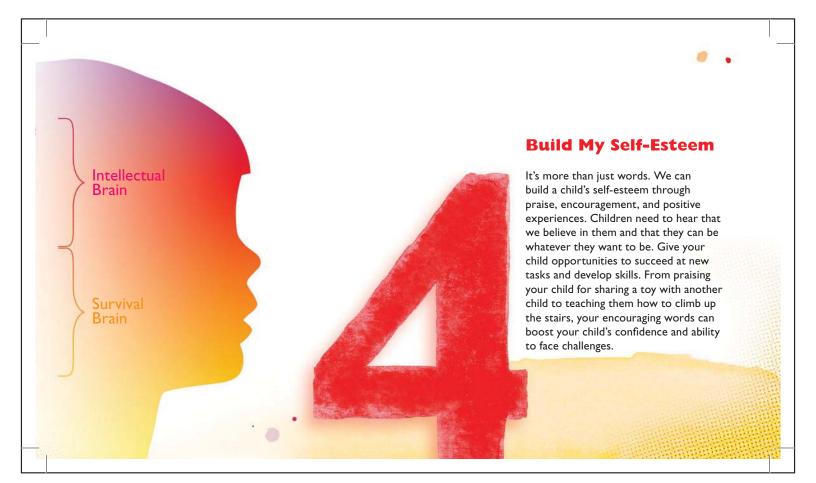


# Understand The Building Blocks Of My Brain

A child's brain develops from the bottom up like a stack of building blocks. The brainstem and mid-brain are the first areas of the brain to develop and connect. These areas are called the "survival brain" because they control body functions that keep us alive such as blood pressure and body temperature. The limbic system is the next building block of the brain. When you have a "gut response" about something, this comes from the limbic system in your brain which handles our basic emotions.

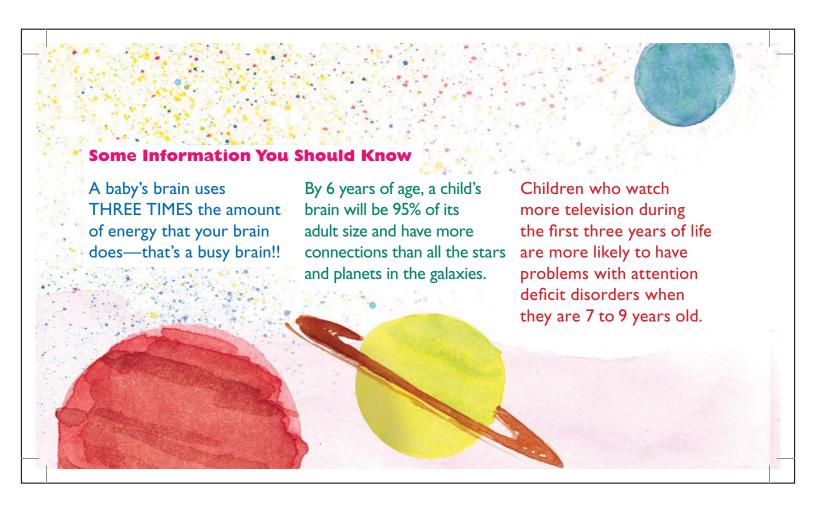
The top building block of the brain is the cortex. This is the last area of the brain to mature. The cortex is responsible for our most complicated thinking from decision-making to multi-tasking to controlling our emotions. Reading, writing, language, and arithmetic are all cortex functions so children need to spend lots of time in this area of their brains to learn these new skills.











# **Resources For Help And Additional Information**

#### **BrainConnection.com**

This Web site provides information about how the brain works and how people learn. Many discoveries are being made in areas that relate to the human brain, including language, memory, behavior, and aging, as well as illness and injury. BrainConnection.com also provides practitioner-friendly tools for teaching and learning.

www. Brain connection.com

### **Child Trauma Academy**

The Child Trauma Academy, a not-for-profit organization based in Houston, Texas, is a collaborative of individuals and organizations working to improve the lives of high-risk children through direct service, research and education. www.childtrauma.org

#### The National Child Traumatic Stress Network

The NCTSN was established to improve access to care, treatment, and services for traumatized children and adolescents exposed to traumatic events.

## The Philadelphia Compact

The Philadelphia Compact is a coalition of City agencies, community leaders, and service organizations working together and playing an ongoing role to ensure all children living in our city have access to quality, affordable, and appropriate behavioral health services.

www.philadelphiacompact.org

#### Zero-to-Three

This site offers a comprehensive interactive resource for parents and early childhood education professionals on healthy development of children ages zero to three.

www.zerotothree.org







The Amazing Brain: What Every Parent and Caregiver Needs to Know, 2008, Philadelphia, PA. This brochure was written by Linda Burgess Chamberlain, PhD, MPH with support from the Institute for Safe Families and Multiplying Connections of the Health Federation of Philadelphia.

Linda Burgess Chamberlain is the founding director of the Alaska Family Violence Prevention Project. An epidemiologist specializing in domestic violence, she is an internationally recognized speaker on the effects of violence on children and brain development. She lives on a rural homestead outside of Homer, Alaska with her dog team. A national Kellogg Leadership Fellow, Dr. Chamberlain is also a motivational speaker and uses "lessons from the trail" to promote key strategies for teamwork and leadership.



The Institute for Safe Families (ISF) is a non-profit organization whose mission is to prevent family violence and promote the health and well being of each member of the family and their community. Since the early 1990's, ISF has developed innovative programming and built coalitions that unite health care providers with social service, policy experts, researchers, academicians, and victim/survivors. One of ISF's unique strengths has been to create forums for cross-systems dialogue aimed at building greater capacity for more effective prevention and response to family violence. www.instituteforsafefamilies.org



Multiplying Connections of The Health Federation of Philadelphia is a cross system collaborative whose mission is to translate the research on early childhood brain development into better practice through professional training and organizational and policy change. Multiplying Connections is developing materials and strategies to promote trauma informed and developmentally appropriate care across the public child and family service system in the City of Philadelphia. This capacity building initiative is funded by the William Penn Foundation.

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