

Early Intervention:



Presented by Victoria Hughes, M.S.
Operation First Five Facilitator
Community Organizer
Early Childhood Champion & Trainer



BRAIN DUMP:

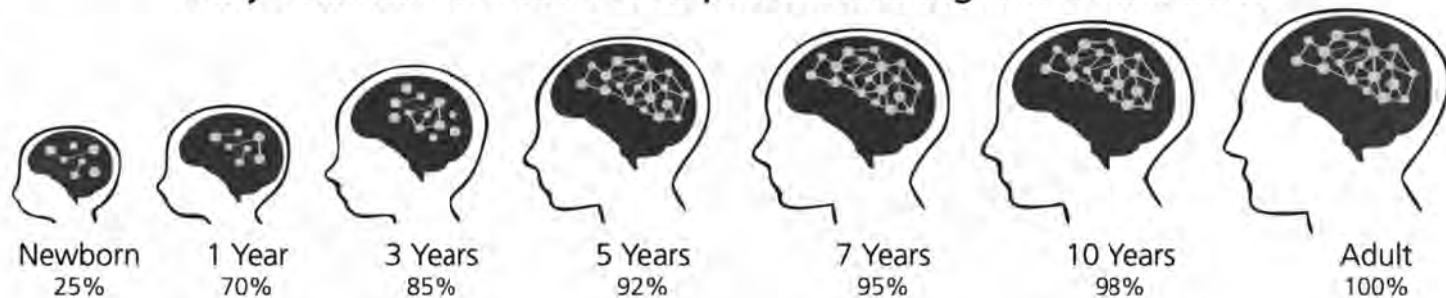
Jot down anything you know or have heard about brain development in children birth to 5 years old.







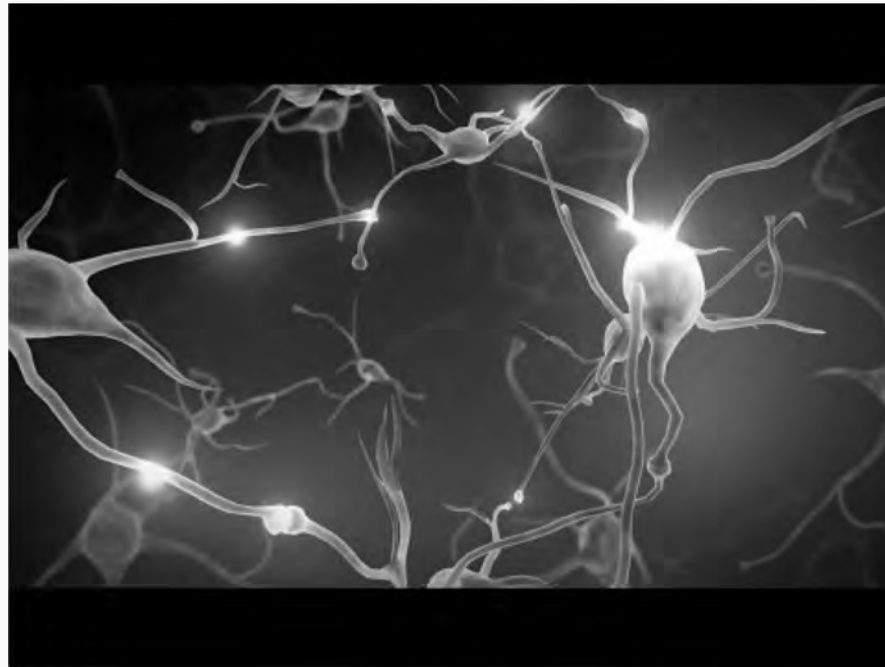
Early Childhood Brain Development: Making the Connections



Early brain development is the result of experience

- Early experiences shape the connections forming in the developing brain
- Baby brains rehearse activation patterns - like the coordination between the listening and speaking areas of the brain - before children are ready to use these skills

EXPERIENCES BUILD BRAIN ARCHITECTURE

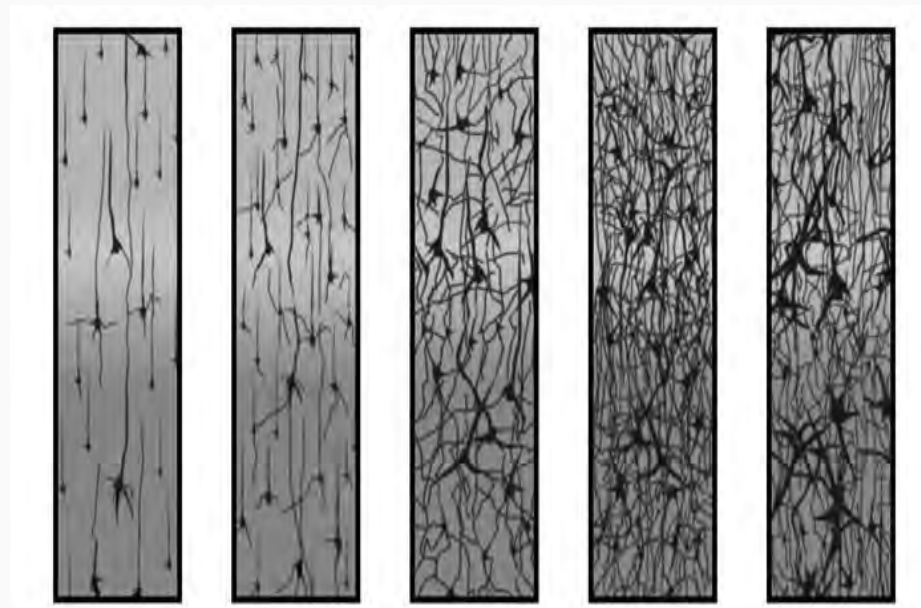


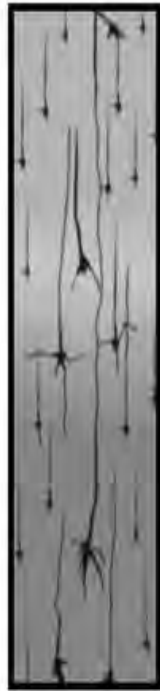


The human brain is 80%
of adult size by age 3

Brain Connections Card Sort

- Assign the correct age to the strip that has the corresponding neural pathway
- Age options include
 - Newborn
 - 1 Month
 - 9 Month
 - 2 Years
 - Adult





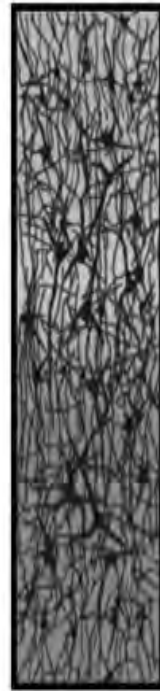
Newborn



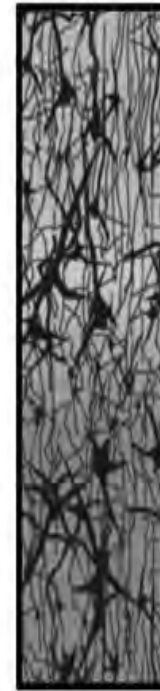
1 Month



9 Months



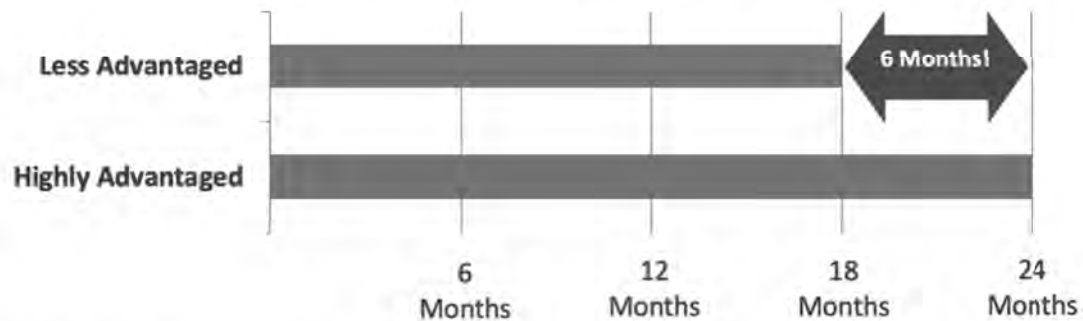
2 Years



Adult

Source: Corel, J.L. The postnatal development of the human cerebral cortex. Cambridge, MA: Harvard University Press; 1975

Six-Month Gap in Language Processing Skills by Age Two



Anné Fernald, Virginia Marchman, and Adriana Weisleder (2012). "SES Differences in Language Processing Skill and Vocabulary are Evident at 18 Months." *Developmental Science* Volume 16, Number 2, pages 234-248. Image Source: Spoken Word Recognition - Scientific Figure on ResearchGate. Available from: https://www.researchgate.net/A-child-participating-in-a-looking-while-listening-study-Children-see-a-pair-of-objects_fig1_326973417 [accessed 19 Oct, 2018]

Motivating Facts:

1. Skill gaps between children from different family background groups are very clear in national data by age two.
2. Science is clear about the types of lived experiences in the first few years that really make a difference!

We face a moral imperative to act!





“What none of us can do alone
all of us can do together.”

-Ronald F. Ferguson, PhD

Harvard University, Tripod Education Partners, LLC, and The Basics, Inc.





OPERATION
first five



Amarillo, TX



BHAAG

BIG, HAIRY, AUDACIOUS, ATTAINABLE, GOALS

1. All Children in Potter County enter school ready to succeed

(engaging early learning environments at home and in early care, quality childcare access and availability)

2. All Children Birth to 5 years old in Potter Country grow up healthy.

(food insecurity, healthy births)

Solutions

What would work to Turn the Curve?

Evidence-Based Practices

Tested, research-backed, tried and true.



Low Cost/No Cost

- Collaboration
- Policy and Advocacy
- Systems Change
- What is the role of clients and community residents?



Promising Practices

Our best guess about what will work here in our community.



Off the Wall Thinking

Bring the wild ideas out into the open.



Multi-Faceted

Does the proposed solution address multiple root causes or just one?



ZERO TO 5

HOW A STRONG
EARLY LEARNING SYSTEM
CAN CHANGE
OUR FUTURE WORKFORCE

AMARILLO'S STRONG & PROGRESSIVE • ECONOMIC DEVELOPMENT
FUTURE-READY • SKILLFUL WORKERS • COMMUNITY LEADERSHIP
RISING • COLLABORATION • HEALTHY CHILDREN FOR TOMORROW

Mayor Ginger Nelson Invites You
MAYOR'S SUMMIT

THURSDAY, APRIL 4
DISTINGUISHED LECTURE (CEU AVAILABLE)
FOR EDUCATORS & HEALTHCARE PROFESSIONALS
6PM
AMARILLO COLLEGE CONCERT HALL / THEATRE
WASHINGTON STREET CAMPUS

FRIDAY, APRIL 5
BUSINESS LEADERS, PARENTS,
& CHURCH LEADERS
7:30 - 9:45AM
AMARILLO CIVIC CENTER GRAND PLAZA

FEATURING

AMARILLO MAYOR
GINGER NELSON
FORT WORTH MAYOR
BERT PRICE

Recognized as a national model for early education, Fort Worth is leading when it comes to its approach to child care. Mayor Bert Price will share the background of their program. The National Collaborative for Infants & Toddlers, in which Tarrant County has been selected as one of three national models for early education.




DOCTOR
RONALD FERGUSON
Ron Ferguson is an MIT trained economist whose work addresses economic, social, and educational challenges. He has been at the faculty of Harvard's John F. Kennedy School of Government since 1998 and faculty director of the Achievement Gap Initiative at Harvard University. He works closely with local, state, and federal agencies, collaborating with many partners to support families with information and supports for parenting infants and toddlers using the science of parenting practices called the Reach Out and Read program.

THURSDAY | 6PM

80% of brain growth happens in the first three years of life. During this period, skill gaps between socio-economic, racial, and ethnic groups become clearly apparent. Learn the everyday interactions between children, their parents, and other caregivers that provide abundant opportunities to give children from every background a more equal start in life.

FRIDAY | 7:30 - 9:45AM

for an in-depth look at the ways an entire community can work together and unlock the secret of raising a strong future workforce.

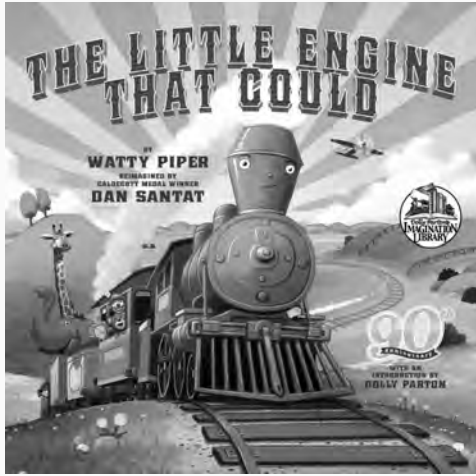
-  **Learn the science**
behind how a strong early learning system will hard-wire a child's brain development and boost cognitive and social-emotional development.
-  **Discover the five basics**
that everyone in our community can do NOW to build necessary skill and strengthen Amarillo's workforce.
-  **Attracting & retaining a highly productive workforce**
today requires more than just offering great jobs and competitive salaries. It's also about building a family friendly environment where an entire community supports our youngest members.





Dr. Traci Fredman & Dr. Betty Coneway

WT **WEST TEXAS A&M**
UNIVERSITY™





SCAN ME



Raising Babies: Conversations with Parents and Leaders in Amarillo



- 2 Parent Focus Groups (Total 8- 100% were women of color, African American, Hispanic)
 - 1 @ Hamlet
 - 1 via Zoom with a local church affiliated group



Add 2 more- Black and Latino fathers in Amarillo



DATA & STRATEGIES

Why it matters

BRAIN DEVELOPMENT IN EARLY YEARS



OPERATION FIRST FIVE

Operation First Five is a Coalition of individuals and organizations united to support families with young children and connect them with the resources they need to get a successful start in life. Because the first five years of a child's life can profoundly shape the rest of their life, we focus on families with children from zero to five. Our goal is for individuals and organizations to come alongside these families, working together to build a stable, self-sufficient & healthy community for all of our citizens.

MISSION

The mission of Operation First Five is to help children succeed through a comprehensive & collaborative early childhood system, which supports families and service providers.

VISION

Our vision is that all children in Potter County grow up healthy, experience nurturing relationships, live & grow in stimulating early learning environments, and enter school ready to succeed.



BRAIN DEVELOPMENT

From birth to age three, a child's brain undergoes rapid development, producing more than 1 million neural connections per second. By age three, the brain has achieved 80% of its adult size.

MISSED OPPORTUNITIES

Many parents and caregivers have never had opportunities to learn the science behind the brain and how important they are to their children's brain development and learning. A number of the greatest misunderstandings pertain to the first year of life, when doing the best already makes a big difference.

SKILL GAPS CLEAR BY AGE 2

Nationally representative data show that by the second birthday, one-year-olds are six months behind more advantaged peers in language processing skills.

LIFELONG CONSEQUENCES

Brain development during the first three years builds critical foundations for cognitive skills associated with academic learning, but that's not all. It also supports other lifelong benefits.

The Basics Approach

Saturate the community
with The Basics.

Make *life* the program!

Help families experience
positive reinforcements
from every direction
for doing The Basics.

Basics Introductory Video



The 5 Basics



MAXIMIZE LOVE, MANAGE STRESS



TALK, SING, AND POINT



COUNT, GROUP, AND COMPARE

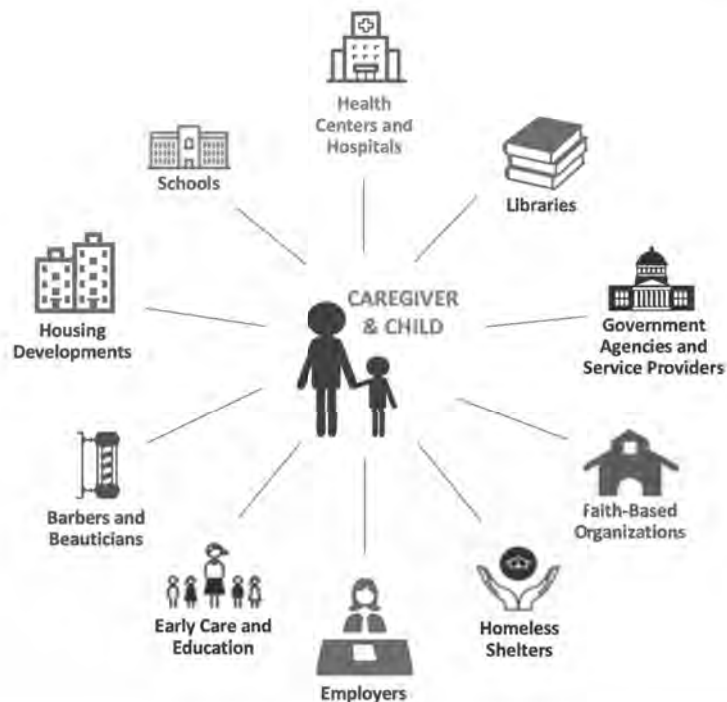


**EXPLORE THROUGH MOVEMENT AND
PLAY**



READ AND DISCUSS STORIES

Socioecological Saturation



A young mother exposed through home visiting.



Toy box

Supporting the practice of each principle



Routine chart



0 - 24 months - Tambourine for babies
2 - 6 years - Tambourine toddlers
0 to 6 years - Book with a popular song children
can sing and point to pictures in the book



0 to 24 months - Colorful stacking pots
2 to 4 years - Stackable box
4 to 6 years - Building blocks



0 to 3 years - Plush ball
2 to 6 years - EVA hopscotch game
4 to 6 years - Shuttlecock



0 to 2 years - Bath book with rubber animals
2 to 6 years - Cardboard books of different
children's stories

Cinco Básicos

O conteúdo desta apresentação não deve ser copiado ou divulgado. Afiliado à The Basics Lab



Maximize Love, Manage Stress

Are you a parent of a child birth- 5 years old living in
Potter County?

We Want to Hear from You



1. COMPLETE THE CROSS COMMUNITY SURVEY
2. SIGN UP FOR IMAGINATION LIBRARY AND/OR SHARE WITH A LOVED ONE
3. JOIN US!

Facebook: Operation First Five Amarillo

Call: (806) 683-4248

Email: victoriahughes012@gmail.com

4. DO & SHARE THE BASICS



Q&A



References:

Dr. Ron Ferguson and the Basics @ www.thebasics.org

Center on the Developing Child: Harvard University

Zero to Three: Brain Development @ www.zerotothree.org

Operation First Five www.zeroto5.org