

Language, Literacy and Early Brain Development

Brain Facts

Some ideas for things you might want to do with this information.

Go to website <http://teachhealthk-12.uthscsa.edu/curriculum/brain/brain01b-BrainCap.asp>

Copy brain hat and use as a parent activity on brain development.

Go to website <http://www.brainfacts.org/>

Read Brain Facts to review general understanding of brain development.

Make color copies of Brain Facts brain pictures and post.

Share sections of brain facts with others: parents & families, co-workers, other agencies.

Copy, display, and discuss: Brain and Neuron Pictures, Brain Model, Brain Cap, Grow a Brain,

Play dough Brain, Tinker toy Neuron.

Bring in: Book Display, Speakers and Presentations

Harvard University: National Scientific Council on the Developing Child

- **Experiences Build Brain Architecture**
- **Serve & Return Interaction Shapes Brain Circuitry**

Some ideas for things you might want to do with this information.

Go to website <http://developingchild.harvard.edu/>

Watch videos and read brain development briefs and reports.

Share videos and reports with others: parents & families, co-workers, other agencies.

Copy, display and discuss the Information Briefs

Dr. Helen Neville, University of Oregon, Brain Development Lab Emergence of the Neural Network for Reading in Five-Year-Old Beginning Readers of Different Levels of Pre-Literacy Abilities: An fMRI Study

Some ideas for things you might want to do with this information.

Go to website <http://bdl.uoregon.edu/>

Read research papers and watch interviews and lectures.

Watch “Changing Brain” video.

Share video with others: parents & families, co-workers, other agencies.

Copy, display and discuss the fMRI Brain Scan pictures from the research.

Children of the Code

- **In The Beginning Was the Word**
- **Language Foundations**

Some ideas for things you might want to do with this information.

Go to website <http://www.childrenofthecode.org/>

Read articles and interviews.

Watch remainder of video series.

Share video with others: parents & families, co-workers, other agencies.

Sandra R. Waxman, PhD, Northwestern University

- **Learning about Language and Literacy**
- **Early Word Learning and Conceptual Development**

Some ideas for things you might want to do with this information.

Go to website

http://www.wcas.northwestern.edu/psych/people/faculty/faculty_individual_pages/Waxman.htm

Read research papers and research links.

Talk about the research and the importance of: Human Speech; Infant directed “motherese”; Naming nouns, adjectives, verbs; Categorizing kinds of things and properties of things

Dr. Patricia Kuhl, University of Washington, The Institute for Learning & Brain Sciences

- **Foreign-Language Experience in Infancy: Effects of Short-Term Exposure and Social Interaction on Phonetic Learning**
- and

Technology, Entertainment, Design (TED)

Dr. Patricia Kuhl: The Linguistic Genius of Babies

Some ideas for things you might want to do with this information.

Go to website <http://ilabs.washington.edu/>

Read research papers.

Watch interviews and video segments.

Copy, display and discuss the chart of the foreign/native language and human/technology experiment results. Talk about the importance of human interaction and “motherese”.

Go to TED website <http://www.ted.com/pages/about>

Share Linguistic Genius video with others: parents & families, co-workers, other agencies. Find other brain development related videos.

Have Fun sharing this information with parents and co-workers. Thank You!



Jot down ideas that come up from what you see and hear, questions that you want answered, or thoughts about the information presented.