

Highlight slides:

Notes, Connections, Questions:

Overview

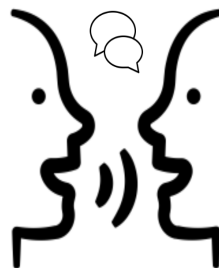
Neuroscience of Reading Development: Principles & Processes to Build Capacity

- **Principle #1: Brain Plasticity**
 - Learning how to read is *not like learning how to talk*. But, because our brains are “plastic,” we can repurpose parts of our brains to do it.
- **Principle #2: Capacity for Neuronal Specialization**
 - For reading, brain regions become increasingly *specialized* to recognize *letter patterns* and to process *parts* of written words.
- **Principle #3: Automaticity**
 - Reading for understanding requires *word-level automaticity* and *extensive practice* with different dimensions of words over time. Think “*thrill & skill*” over “*drill & kill*.”

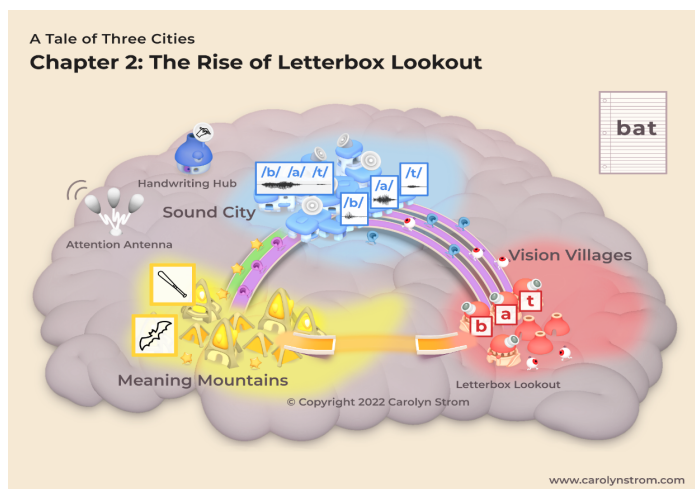
Key image from Principle #1 (Brain Plasticity):

Human beings **aren't wired** for written language.
We **are wired** for spoken language (speaking & listening).

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ABCD

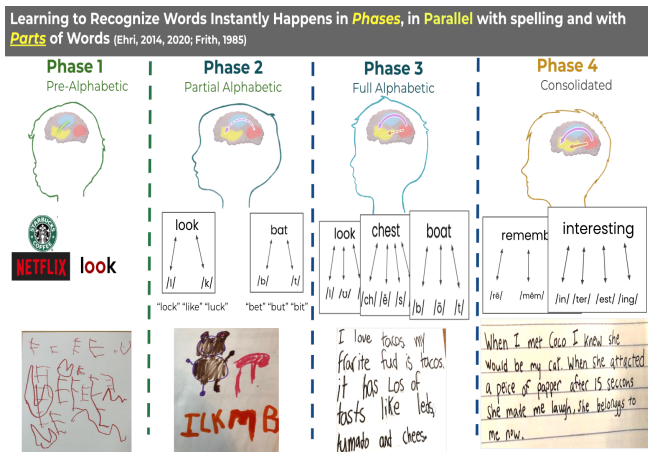


Key image from Principle #2 (Specialization):



Highlight slides:

Key image from Principle #2 (Specialization):



Notes, Connections, Questions:

Key image from Principle #3 (Automaticity)

Overview of 11 Thrill to Skill Routines to Build Word-level Automaticity Building and Connecting Sound City, Vision Villages, and Meaning Mountains

- Thrill to Skill Routines Set 1. Call explicit attention to *sounds in words* with:
 - #1: I Hear with my Little Ear
 - #2: Guess My Lunch
 - #3: Fiddle with the Middle (and Silly Questions)
 - #4: Turtle Talk
 - #5: Bin & Spin Sound Sorts
- Thrill to Skill Routines Set 2. Map words in memorable ways to increase awareness of *orthographic regularities and irregularities* ("making the 'tricky' sticky")
 - #6: Sound Spots
 - #7: "Sound it Down" Spelling & Dictation
- Thrill to Skill Routines Set 3. Repetition through *playful routines*
 - #8: Word Games
 - #9: Anchor Charts
 - #10: Word Play: Stories & Songs
 - #11: Fun with Fluency

Links featured in presentation:

[Don't read like a robot](#) (by Blazer Fresh)

[Birthday song with phoneme swap](#) (Phonics man)

[Make your own wordle](https://mywordle.strivemath.com/?word) (https://mywordle.strivemath.com/?word)

[Heart word magic gallery](#) (Really great reading)

[Sound spin](#) (wheel of names)