

# A Developmental Model of Trauma, Growth, and Resilience: The Place for Language and Reading

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In the passage from the cradle to the grave,  
We are born madly dancing

- Dan Fogelberg

# The Fundamentals of Development

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Safety and Security

Language

Relationships

# The Neurological Basis

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## Trauma

- Smaller Brains
- Smaller Corpus Callosum
- Inefficient organization
- Overuse of Right Hemisphere
- Underuse of Frontal Lobes
- Reflects a deeply evolved need

# The Neurological Basis

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## Language

- Helps Organize the Brain
- Promotes a Left Hemisphere bias
- Enlarges the Corpus Callosum
- Promotes and builds frontal lobe activity
- Generates efficiency
- Reflects a deeply evolved need

# The Neurological Basis

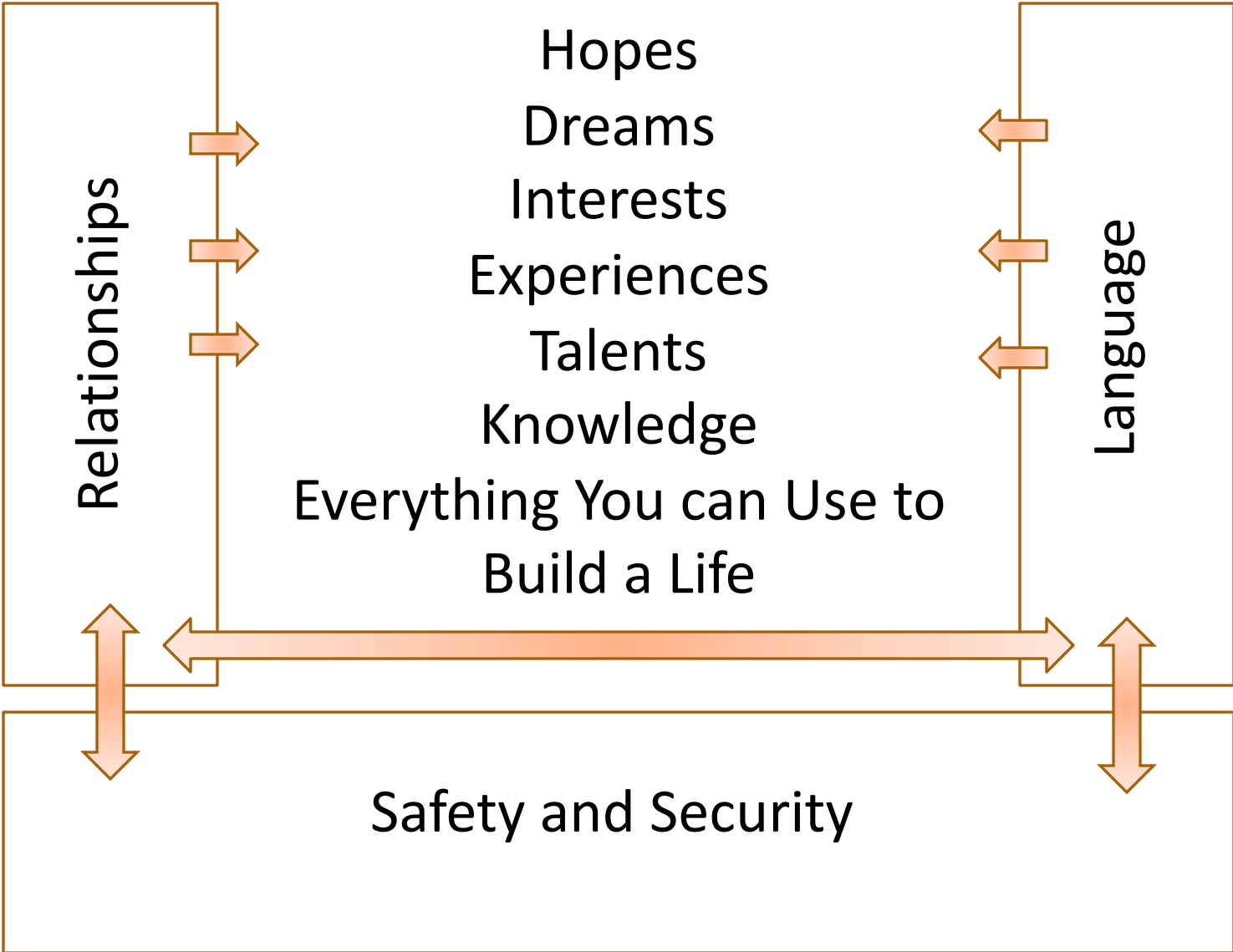
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## Relationships

- Increases brain connectivity
- Promotes Language
- Soothes the brain
- Our complex social drive is likely the cause of our huge brains
- The “default network”
- Closely linked to safety and survival
- Reflects a deeply evolved need

“Evolution has made a bet that the best thing for our brain to do in any spare moment is to get ready for what comes next in social terms.”

-Matthew Lieberman





Reading is a technology which expands the evolved basis of language beyond the immediate environment and lets it reach other times, places, and people. It allows us to be in relationship with people we have never met, to consider the motivations of characters who never existed except on paper, to learn about places and things we have never seen, and to exercise the deepest mental skills at our own pace, in our own time, according to our own needs.

# When you Grow Up

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How that works when you're 5

How that works when you're 15

# Where Can We Intervene?

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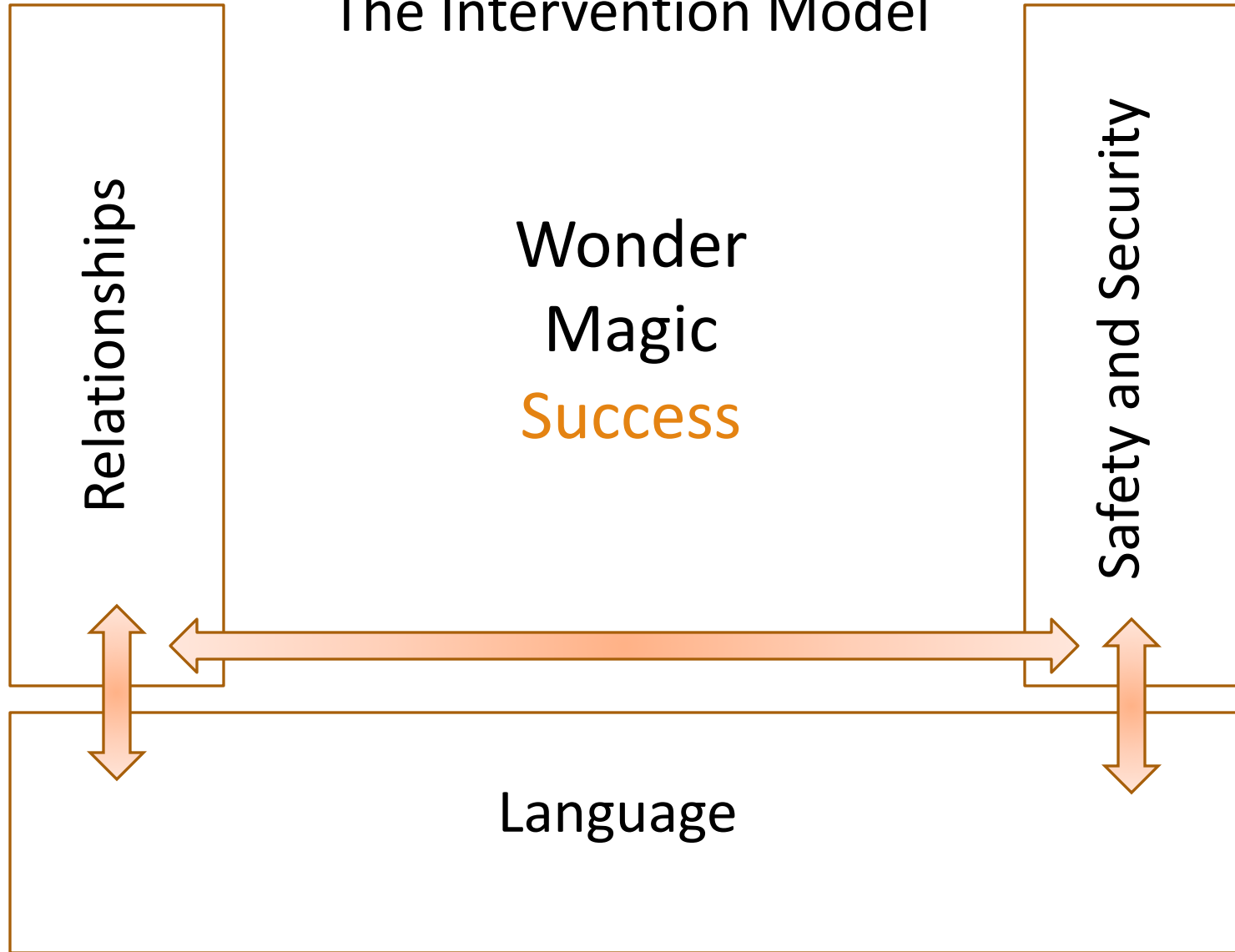
Most kids begin with adequate safety and security, though some are damaged by trauma, later. **Reduce trauma and build resilience.**

Relationships are difficult to promote directly. **Quality is more important than quantity.**

Language can be directly influenced, with indirect benefits to relationships and resilience. **We have a vast infrastructure already in place!**

Offer wonder, magic, **and success.**

# The Intervention Model



“The most important thing you can do for a young child who has experienced trauma, the best thing to do for them, is teach them to read.”

-Donald Meichenbaum

# The Great Vaccine

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Reading, and learning to read well...

- Builds and extends language
- Develops and repairs the brain
- Builds the “default network”
- Fosters resilience
- Benefits everyone, harms no one
- Improves the odds for every good thing by both building the “bucket” and helping to fill it.

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