



Defining Dyslexia and the Intervention Model

Introduction

Think about this...

“The limits of my language are
the limits of my word”

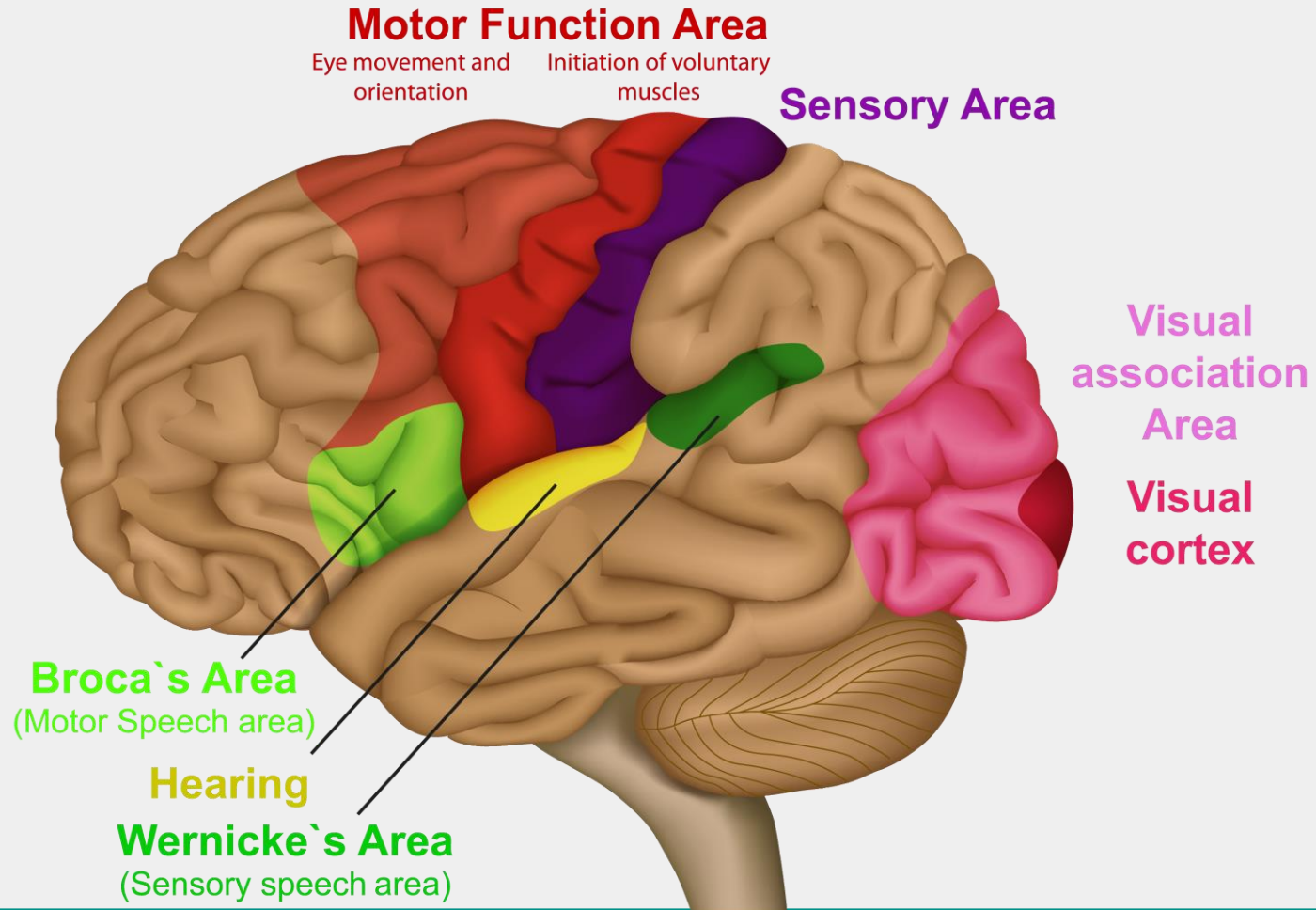
Overview:

Language Development

Understanding Dyslexia

The Definition

In-class literacy intervention model
in America



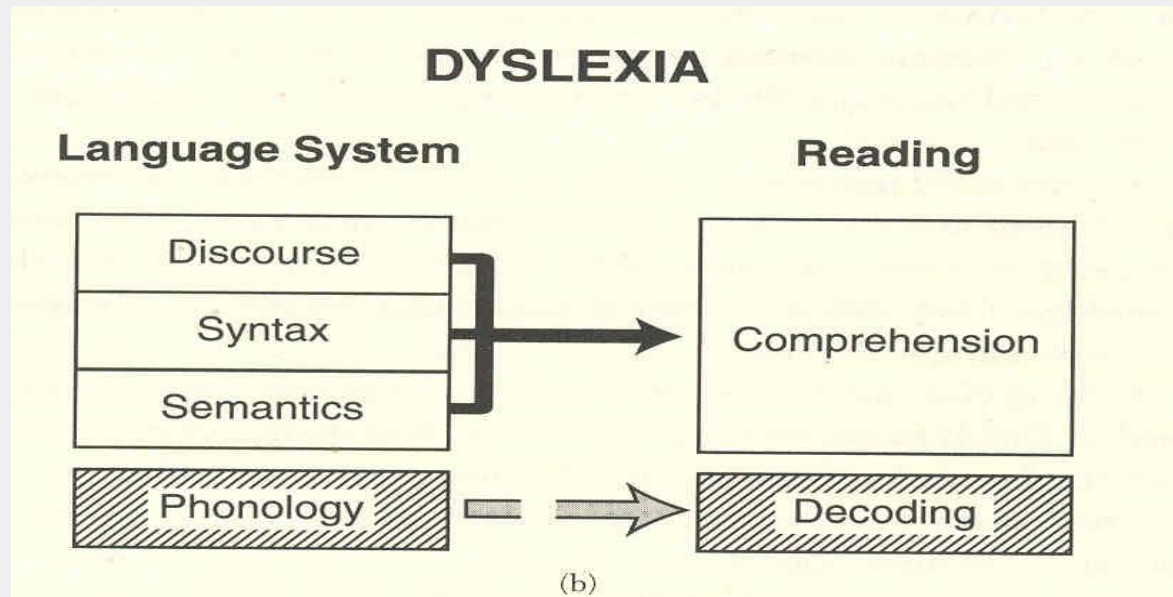


“

Reading is not a natural process it must be taught...

Dyslexia

- In dyslexic children there is a “glitch” within the language system.





“

“While no two brains are alike, the brains of people with dyslexia are distinctively different compared to those without dyslexia.”

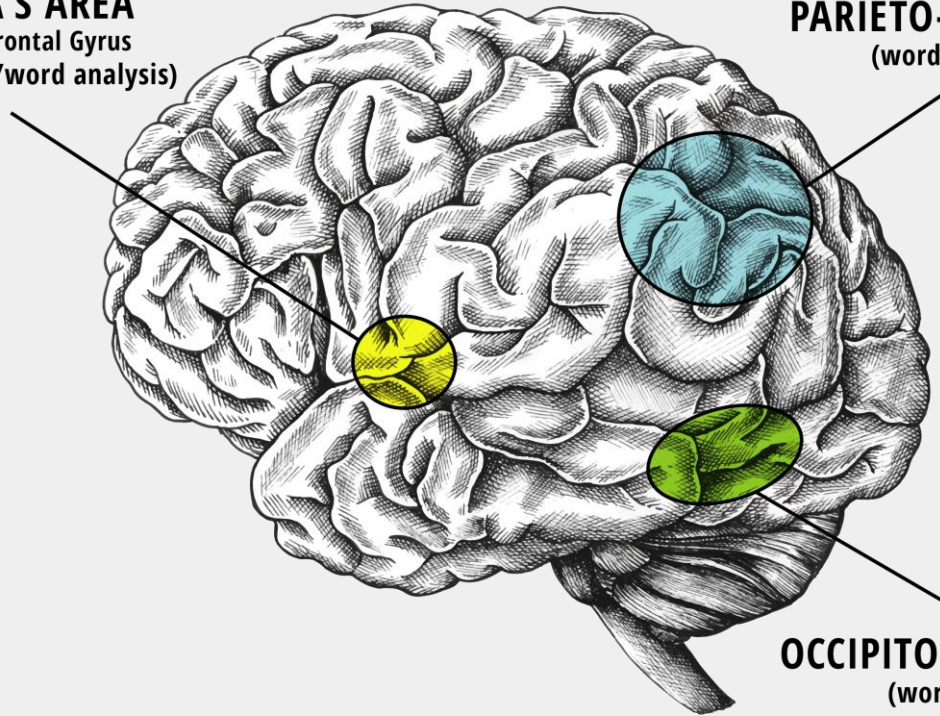
-Dr. Gordon Sherman
Schwablearning.org, 2016

http://impactofspecialneeds.weebly.com/uploads/3/4/1/9/3419723/brain_research_and_reading.pdf

The Dyslexia Brain

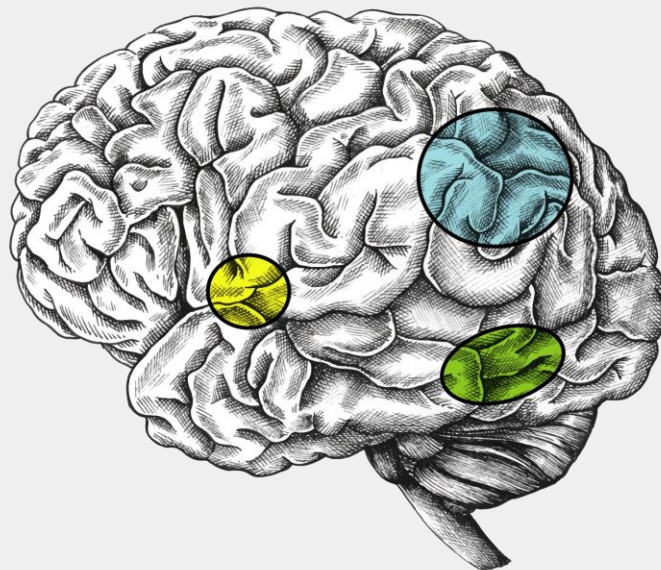
BROCA'S AREA
Inferior Frontal Gyrus
(articulation/word analysis)

PARIETO-TEMPORAL
(word analysis)

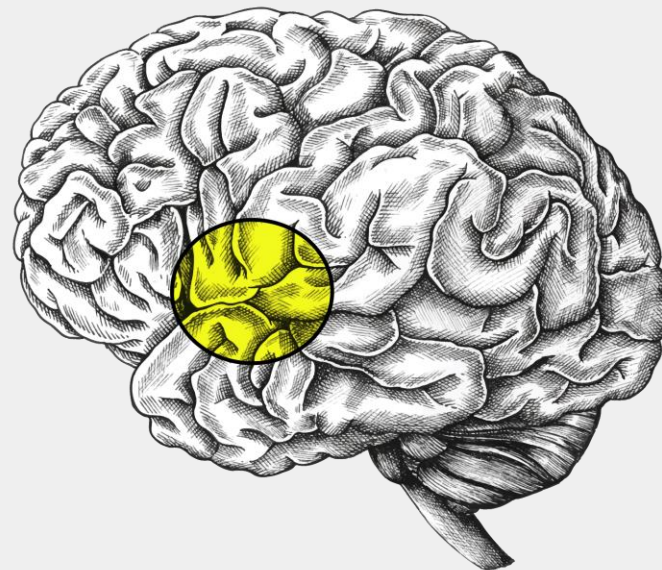


OCCIPITO-TEMPORAL
(word form)

The Dyslexia Brain



NON-IMPAIRED



DYSLEXIC

Definition of Dyslexia – Adopted by IDA in 2002

“Dyslexia is a specific learning disability that is neurobiological in origin. It is characterized by difficulties with accurate and/or fluent word recognition and by poor spelling and decoding abilities. These difficulties typically result from a deficit in the phonological component of language that is often unexpected in relation to other cognitive abilities and the provision of effective classroom instruction. Secondary consequences may include problems in reading comprehension and reduced reading experience that can impede growth of vocabulary and background knowledge.”

-<https://dyslexiaida.org/definition-of-dyslexia/>

Dyslexia Defined

Dyslexia is a specific learning disability that is neurobiological in origin.

- The brain is formed differently
- works differently

Dyslexia Defined

It is characterized by difficulties with accurate and/or fluent word recognition and by poor spelling and decoding abilities.

- Misread common words, may even misread them in a variety of ways.
- Reading is slow, choppy, lacks that prosody heard with same age peers
- Spelling- the biggest challenge

Dyslexia Defined

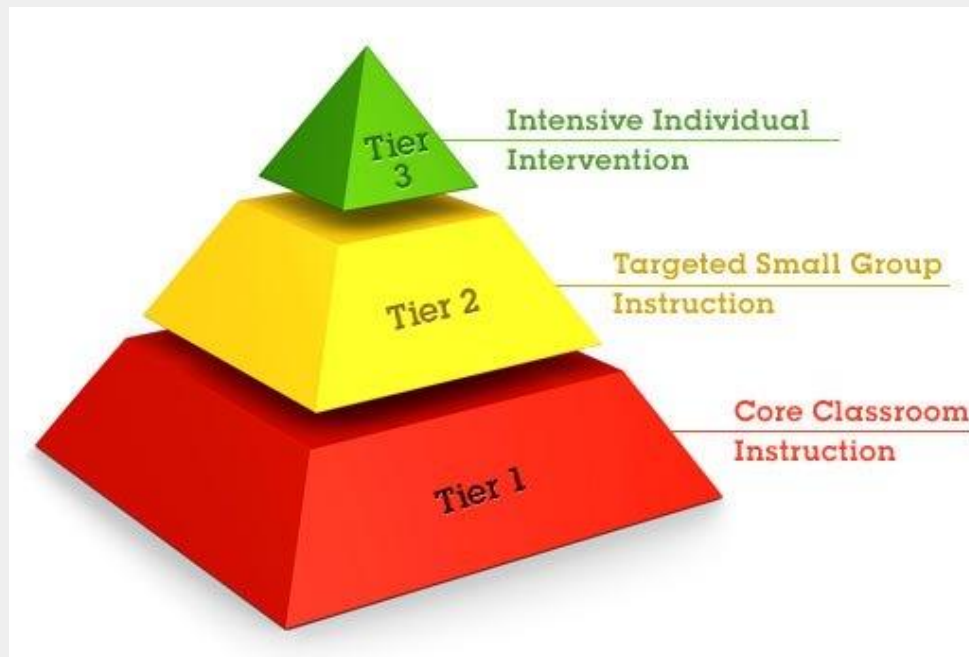
These difficulties typically result from a deficit in the phonological component of language that is often unexpected in relation to other cognitive abilities and the provision of effective classroom instruction.

Dyslexia Defined

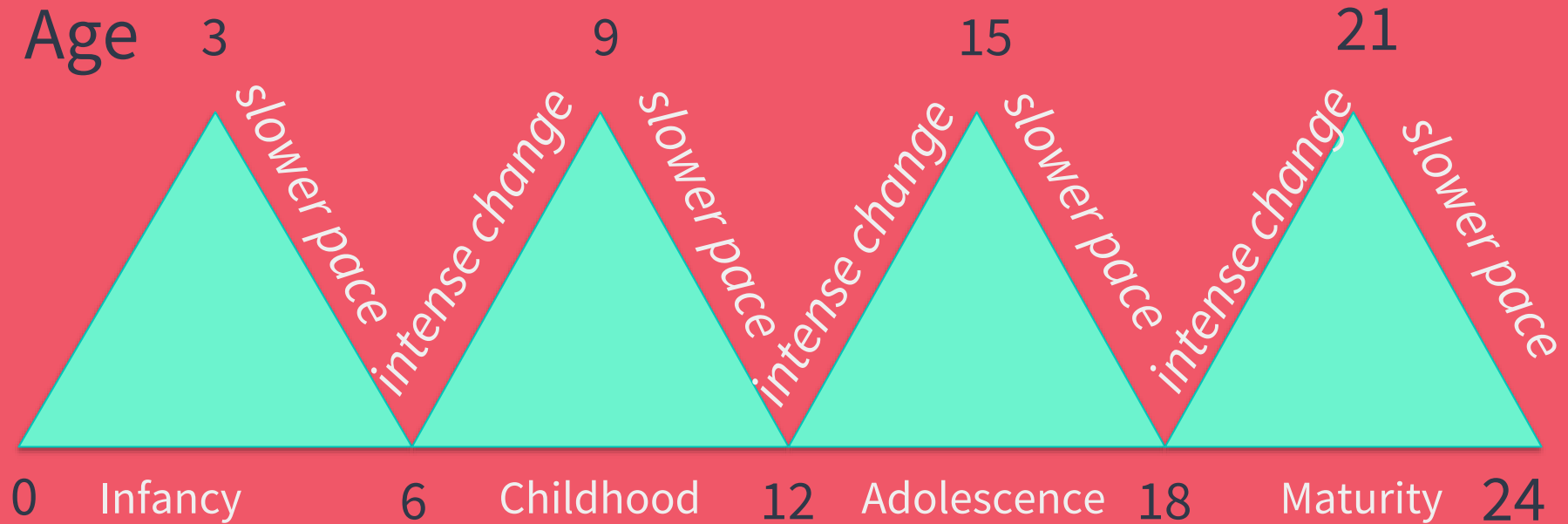
Secondary consequences may include problems in reading comprehension and reduced reading experience that can impede growth of vocabulary and background knowledge.

- Reading comprehension more challenging than listening comprehension
- Because reading is more challenging, they are not reading and being exposed to higher level vocabulary.

History of RTI to MTSS – As a response to learning differences



Four Planes of Development

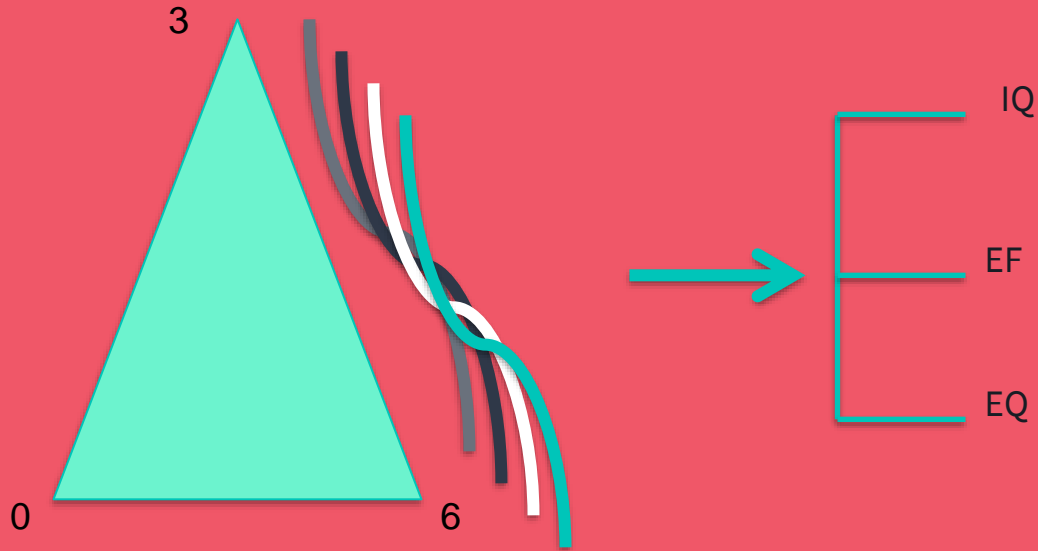


Pickering & Richardson, 2019

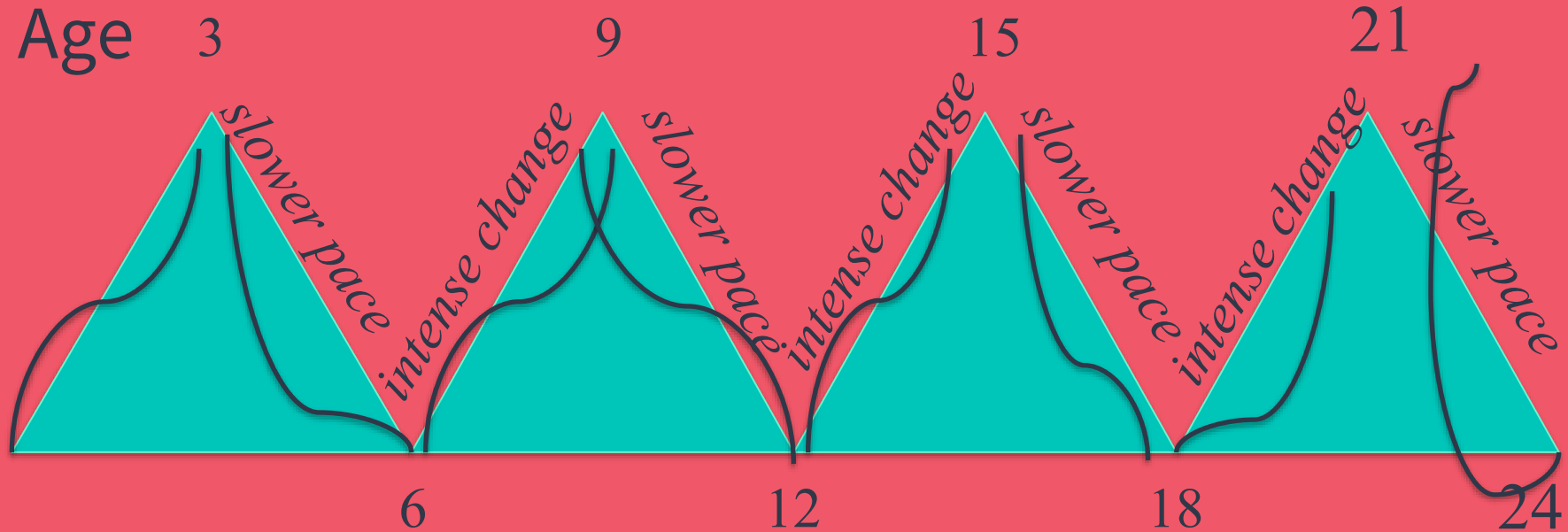
The First Plane 0 - 3 Years



The First Plane 3 - 6 Years



Four Planes of Development



PREVENTION
for all Students

ENRICHMENT
for all Students

INTERVENTION
for all Students





“

“The limits of my language are the limits of my world”

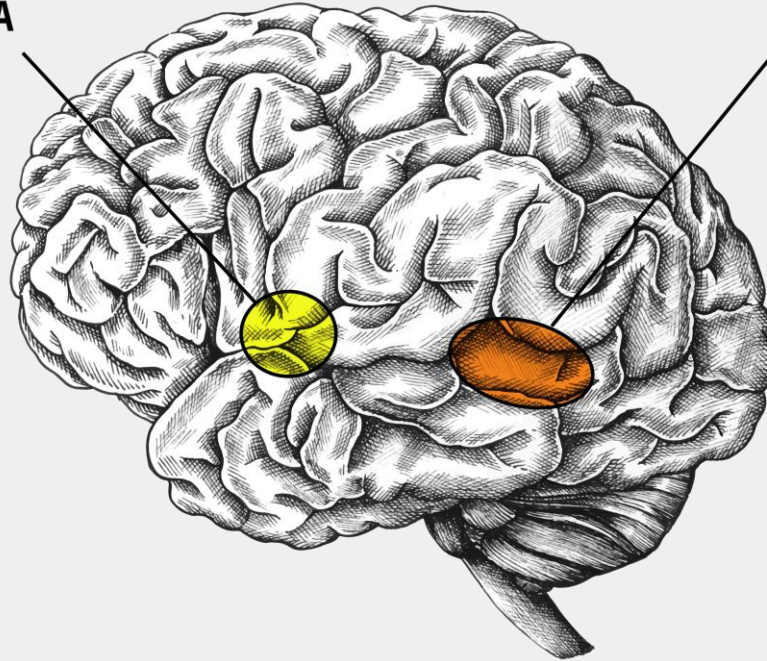
The Dyslexia Dilemma

BROCA'S AREA

Located in the inferior frontal lobe.

Involved in the production of speech.

(Expressive Language)



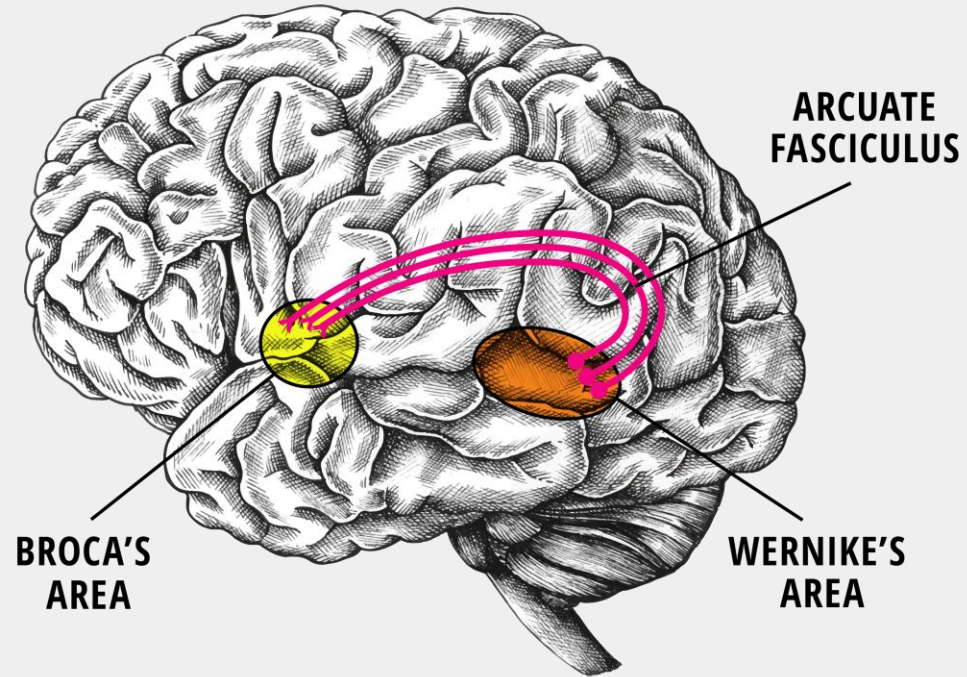
WERNIKE'S AREA

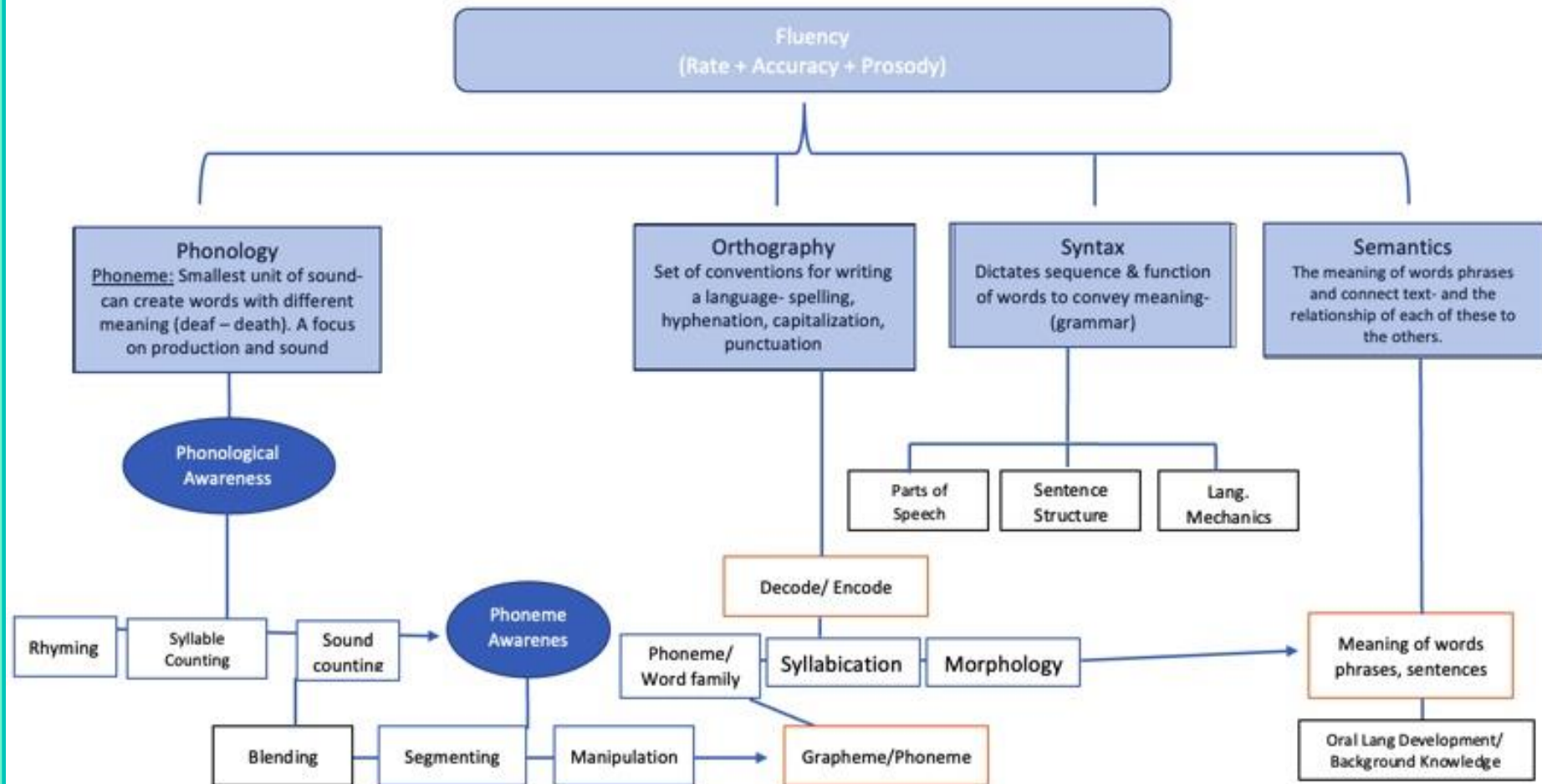
Located in the posterior section of the temporal lobe.

Involved in understanding written and spoken language.

(Receptive Language)

The Dyslexia Dilemma





Extra Resources

The Dyslexia paradox- <https://www.youtube.com/watch?v=kPA3EsEFL0I>

How can screeners be improved- <https://www.youtube.com/watch?v=8vp21lezpmY>

Baby Brain Study on early identification of Dyslexia

<https://www.youtube.com/watch?v=sXi9n669-P0>

Full version of FAT City- <https://www.youtube.com/watch?v=Q3UNdbxk3xs>

Dyslexia: Not a disability but a superpower -

<https://www.youtube.com/watch?v=AMrUxxmMz8g>

Video Links- Early Intervention and Early Language

- <https://hhs.texas.gov/services/disability/early-childhood-intervention-services>
 - -Resource for Early Intervention
- <https://www.youtube.com/watch?v=y8qc8Aa3weE>
 - Dr. Brenda Fitzgerald- Exposure to early language
- <https://www.youtube.com/watch?v=rvf0KqRx1Jo>
 - - encouraging child's early language, skills to do at home.

Reference Page

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Thank you!

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