## "Official" Definition of Dyslexia

"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."



International Dyslexia Association, 2002



### Let's break that down...

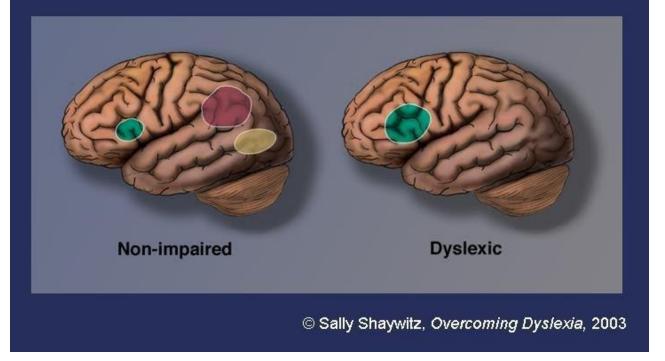
### Dyslexia is a specific learning disability...



Eligibility of Specific Learning Disability (SLD)

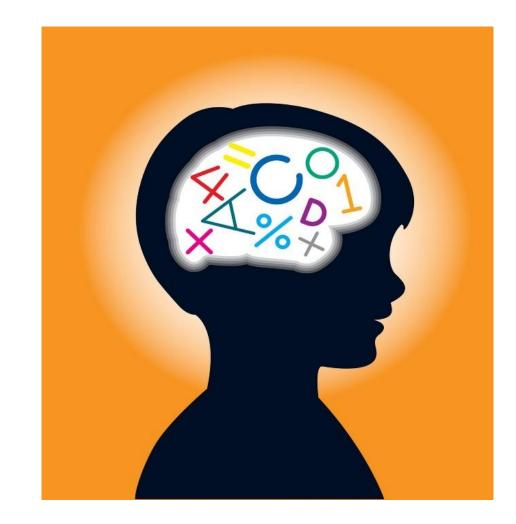
#### ...that is neurobiological in origin...

#### Neural Signature for Dyslexia: Disruption of Posterior Reading Systems



Neurodiversity of dyslexia: unique differences in the way brains develop and function

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



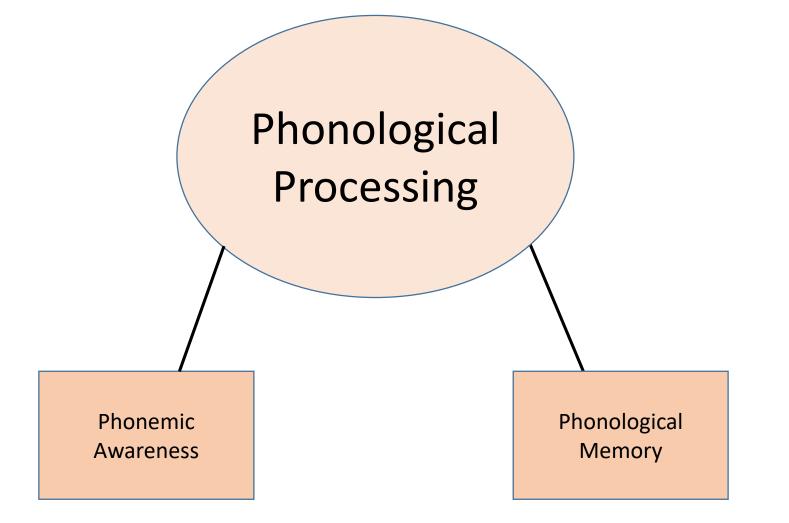
Word recognition

Reading fluency

Spelling

Writing

# 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.





**Carol Greider Microbiologist** 

