

Language Comprehension

ASL Vocabulary
ASL Structures
Prior Knowledge
ASL Fluency
Meta Cognition

ASL
Increasingly Strategic
Increasingly Bilingual

English Vocabulary
English Structures
Literacy Knowledge
English Experiences
Meta Linguistics

English

Word Recognition

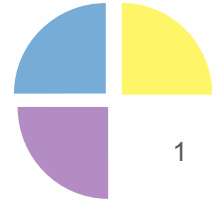
Phonological Awareness
Orthographical Awareness
Sight Words
Fingerspelling
Visual Supports

Increasingly Automatic

Skilled Reading

The Deaf Reading Rope

Nathan Harrison
ACE-DHH 2025

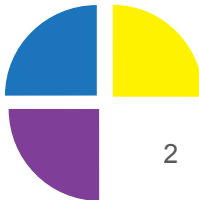
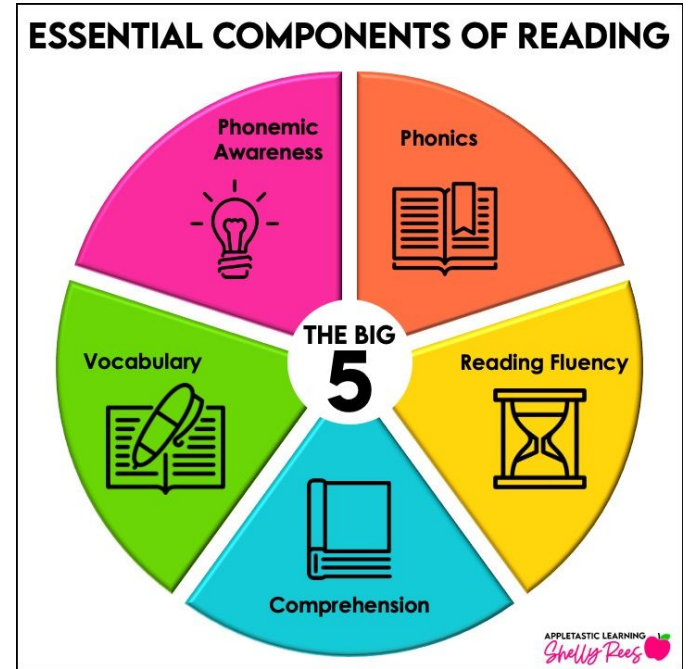


Science of Reading

The Science of Reading (SoR) is a meta-analysis of research on reading that has identified 5 “pillars” that are the strongest research base:

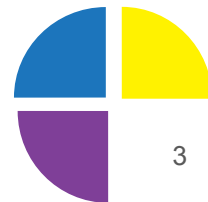
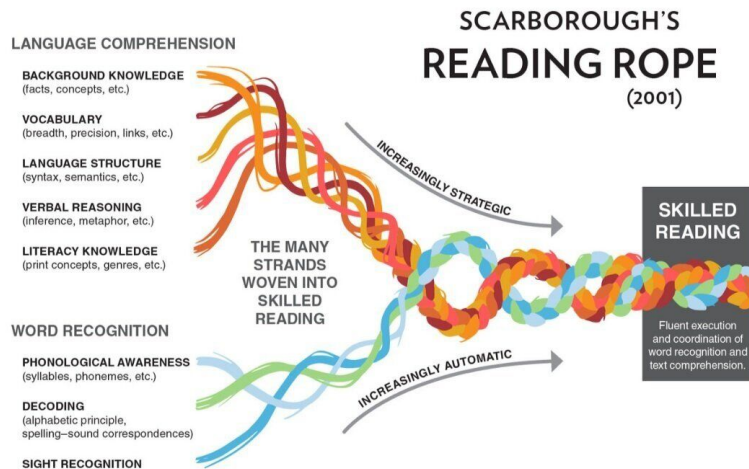
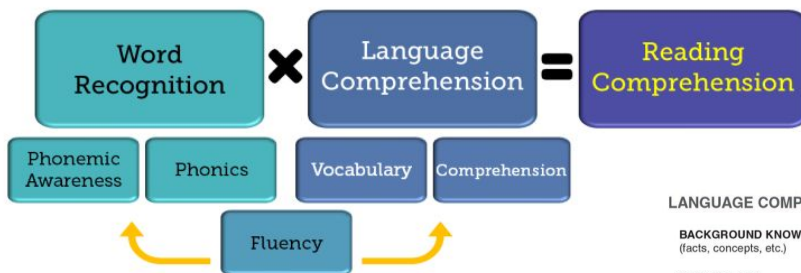
1. Comprehension
2. Vocabulary
3. Fluency
4. Phonemic Awareness
5. Phonics

It is becoming increasingly the policy of state education departments to use SoR practices in reading instruction.



Models of the Science of Reading

THE SIMPLE VIEW OF READING





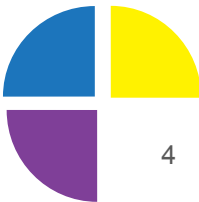
Integrating SoR & Deaf Research

Where is the model of *Deaf* reading that we can use in ASL/English?

I performed a meta-analysis of deaf reading with an emphasis on *skilled* Deaf reading.

I used Scarborough's Reading Rope as a lens of model analysis and formation.

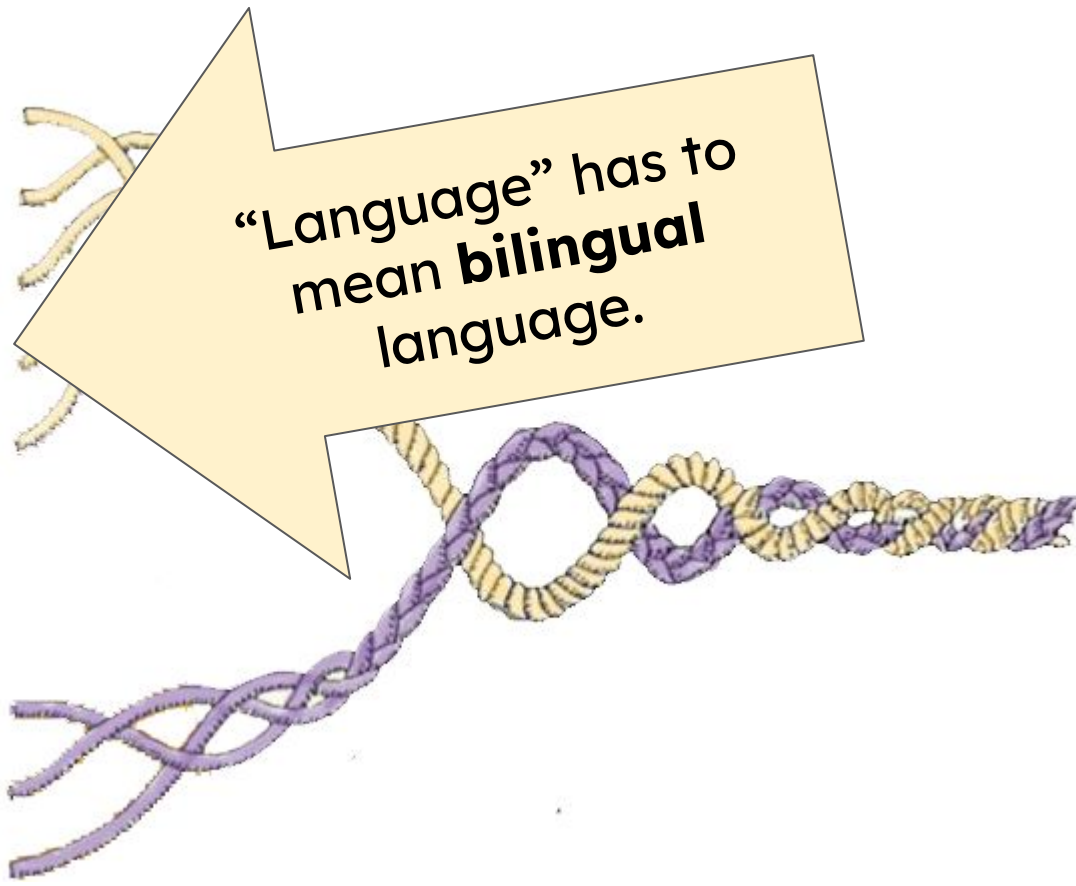
The resulting model was titled the "Deaf Reading Rope". A handout was created and visual by a Deaf artist.





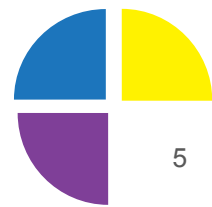
Language
Comprehension

Word
Recognition



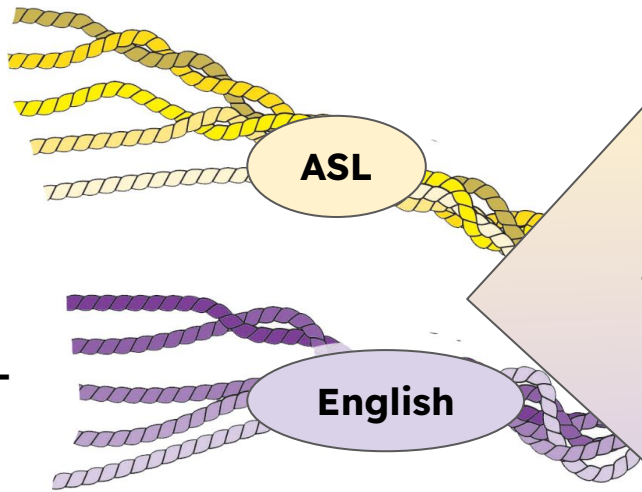
“Language” has to
mean **bilingual**
language.

**Skilled
Reading**





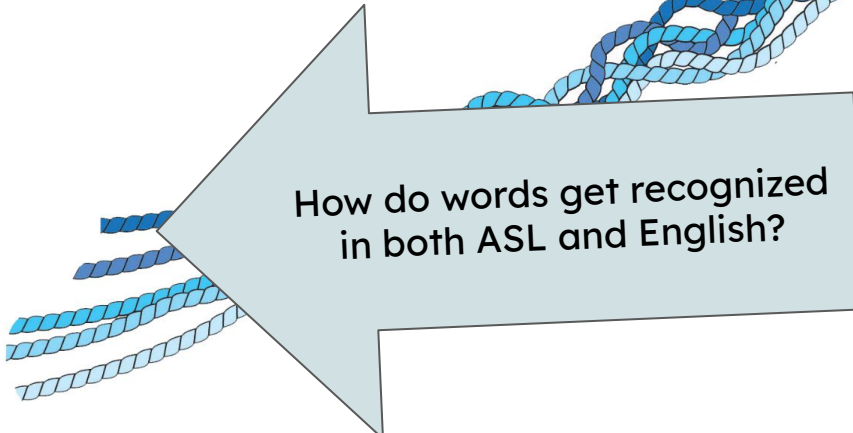
Language
Comprehension



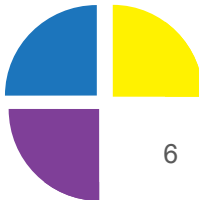
What separate but
interconnected skills does
each language need?

**Skilled
Reading**

Word
Recognition



How do words get recognized
in both ASL and English?





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- ASL Vocabulary
- ASL Structures
- Prior Knowledge
- ASL Fluency
- Meta Cognition

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Increasingly Strategic

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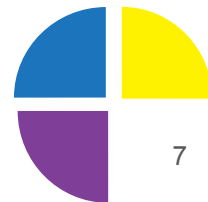
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- Orthographical Awareness
- Sight Words
- Fingerspelling
- Visual Supports

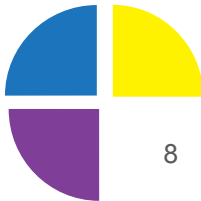
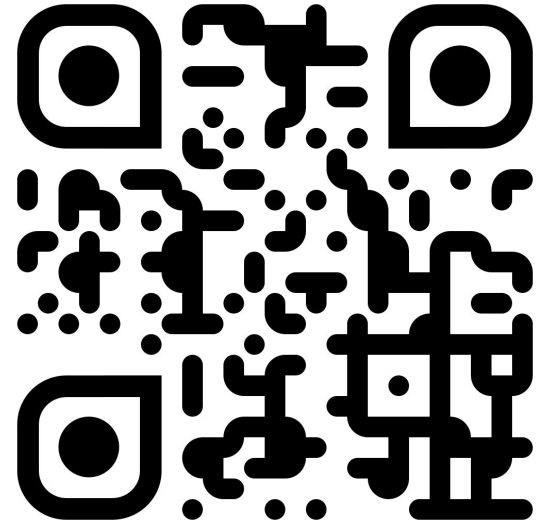
Increasingly Automatic



Where to access?

<https://osf.io/d96jx>

- Reading Rope diagram
- Reading Rope handout
- Explanations





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