



SCIENCE OF READING

THE BIG 5

WHAT IS THE SCIENCE OF READING?

The Science of Reading is an ongoing field of study that examines the last fifty years of research to determine the most effective way to teach reading. A scientific approach to reading instruction includes explicit, systematic, instruction in phonological awareness, phonics, fluency, vocabulary, and comprehension.



Phonological awareness is the ability to hear and manipulate the sound structure of language, including at the word, syllable, & phoneme level.



Phonics is the matching of spoken sounds to written letters and is the key to decoding new words.



Reading fluency is the ability to read accurately, with expression, at a rate that allows for understanding.



Vocabulary is all the words a person knows or uses. It refers to the words a person must understand to communicate effectively.



Comprehension is the ability to derive meaning from text. Reading comprehension is an outcome of the abilities to decode (phonics) and understand language.

ARE YOU READY TO EXPLORE THE BIG 5?

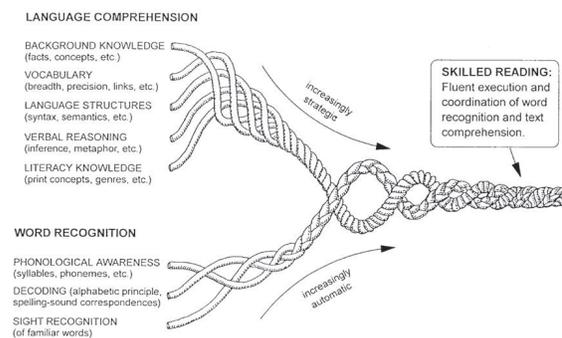
Alaska's Reading Playbook is a guide for educators teaching in Alaska's unique educational landscape.

Download your copy at aklearns.org and explore expert research and evidence-based practices for teaching the big 5.

THE READING ROPE:

The many strands that are woven into skilled reading

Hollis Scarborough's Reading Rope underscores the interconnectedness of each strand of language comprehension and word recognition in facilitating skilled reading. Scarborough's landmark framework for skilled reading built on the simple view of reading to help educators focus on how they might strengthen each strand to help all students become skilled, strategic readers.



Above: Scarborough, H. S. (2001). Connecting early language and literacy to later reading (dis)abilities: Evidence, theory, and practice. In S. Neuman & D. Dickinson (Eds.), *Handbook for research in early literacy* (pp. 97-110). Guilford Press.