

Phoneme
a distinct unit of sound

Grapheme
a letter or letters that represent a phoneme

Morpheme
smallest unit of meaning

SOUNDS

PA Phonological Awareness
being able to think about, talk about, and manipulate the meaningful sounds of words.

- discrimination
- omission of letter ^{sound}
- letter sequence
- reversals
- addition of letters
- misspelled vowel
- sound in stressed syllable

SEM Semantic and Vocabulary Knowledge
knowledge of word meaning

- misspelling of "wh"
- homophones

How do kids learn to read?

MA Morphological Awareness and Knowledge
knowledge of letter meaning relationships and the ability to think about, talk about, and manipulate the morphemic elements of words

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- omission of morphemes
- phonetic spelling
- failure to use spelling rules
→ inflecting
- misspelling of

LETTERS

21 23 24 25 27 30 35 37 40 41 42

MA Morphological Awareness and Knowledge
knowledge of letter meaning relationships and the ability to think about, talk about, and manipulate the morphemic elements of words

LETTERS
Mental Orthographic Images of Words
clear and complete representations of words stored in long-term memory

- "legal" substitutions
- misspelling of unstressed vowel sounds
- homophone confusion

- illegal substitution
- non-allowable letter sequence
- violation of word position constraints
- letter formation reversals
- lacks letter-sound relationships and common letter patterns