


## It's Never Too Late! Literacy Planning for At-Risk High School Students

Presented by: Dr. Carol Tolman  
 Presented to: 13<sup>th</sup> Annual Eastern Pennsylvania Special  
 Education Administrators Conference

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 October 29, 2009, 9:45 - 12:00




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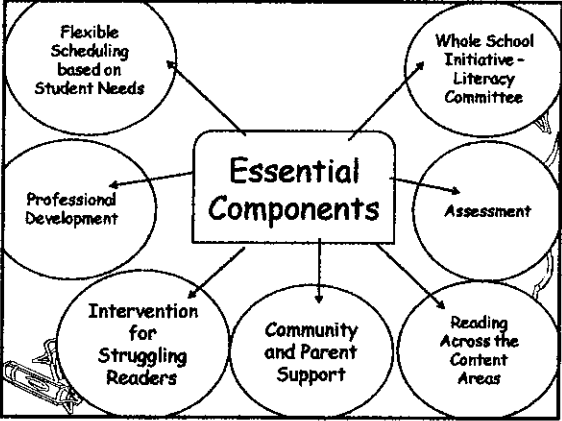
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## Areas of the Brain That Support Reading

- Speech-sound awareness (phonological processes)
- Sound-symbol associations (grapheme-phoneme)
- Letter and letter-pattern recognition, storage of printed word images (orthographic processes)
- Language comprehension (concept and meaning processes)

Used with permission from (Moats) 2009. *LETRS / Language Essentials for Teachers of Reading and Spelling*

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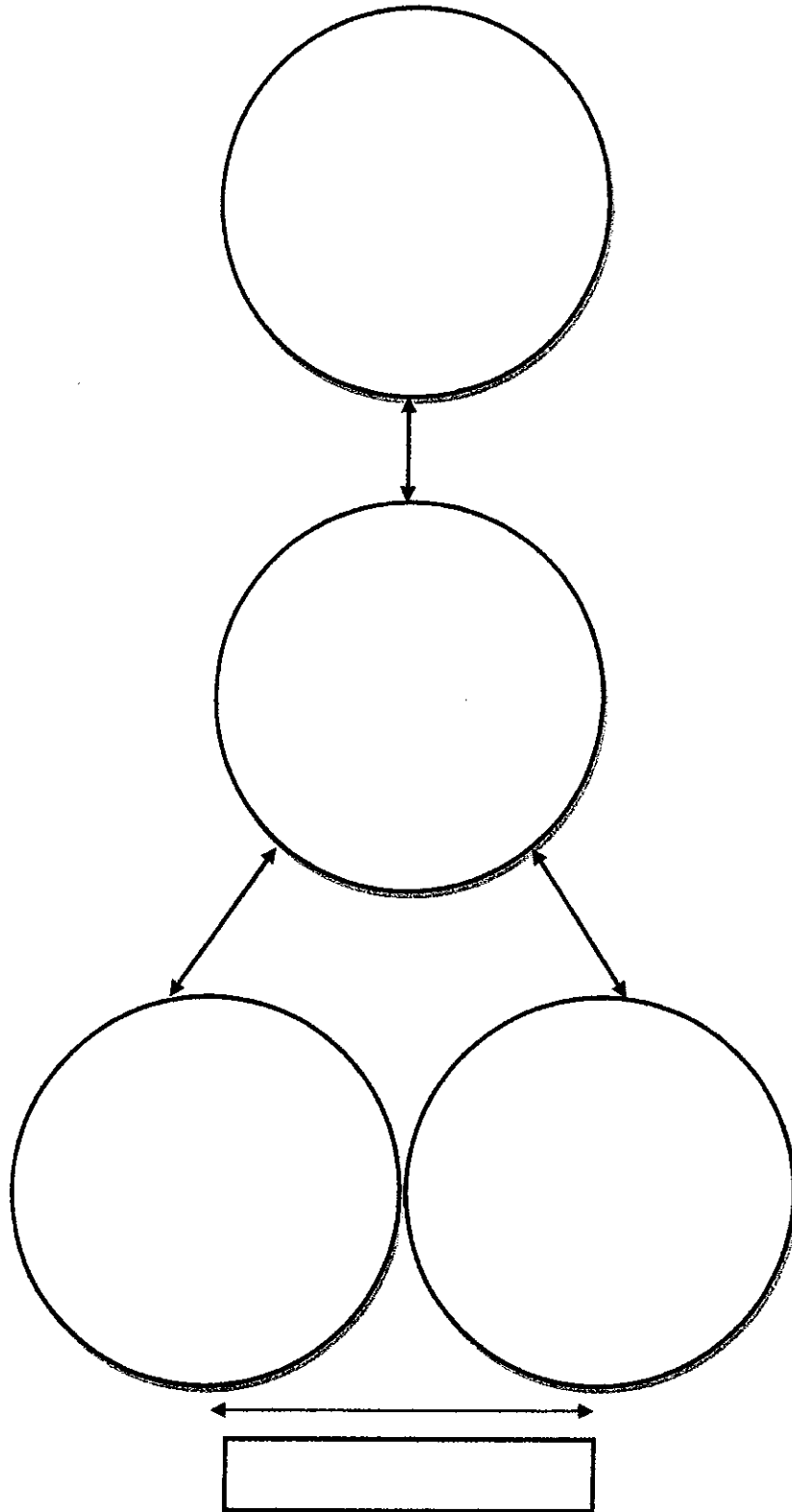
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# Four Processing System

Seidenberg and McClelland, 1989



# PHONOLOGY

Instructional  
Progression  
for Decoding

- Sentences
- Words
- \* Syllables
- \* Onset-Rime
- \* Individual Phonemes

1:1

Connect letters  
and sounds

Teach letter names

(Digraphs, Trigraphs

- Graphemes
- Vowel Teams)
- Blends
- Word Families
- Syllable Types
- Morphemes
- Roots / Affixes
- Word Origin

# Orthography

\* Steps most supported by research in phonology to improve reading and spelling skills.