

Key Questions

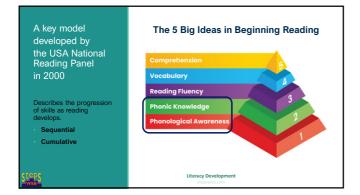


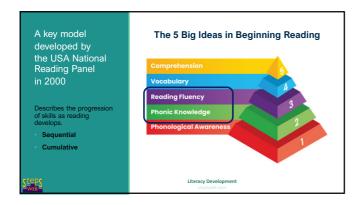
- Why do some learners struggle, but others don't?
- · How can we stop learners falling through the gaps?
- What can we do to meet the needs of all our learners?

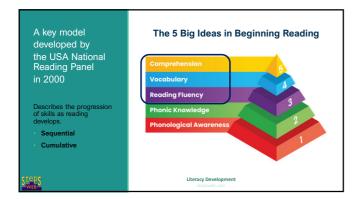
CEPS Literacy Developme stepsweb.com



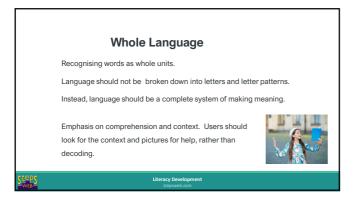




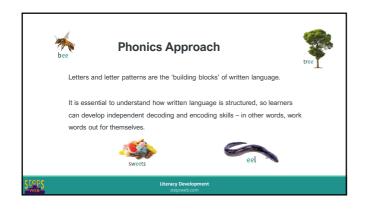


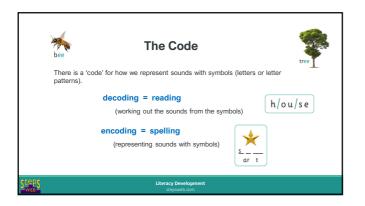


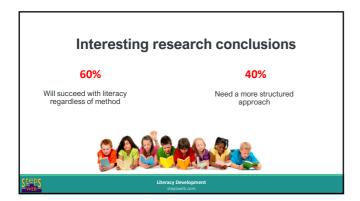


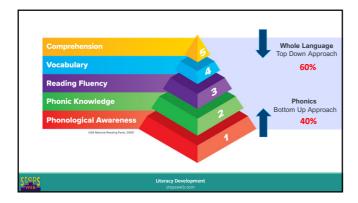


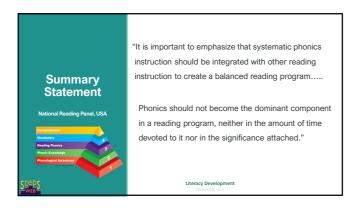
Whole Language Based on the idea that we just need to build a visual memory for words as we are exposed to them. Literary Development https://doi.org/10.1001/10.100

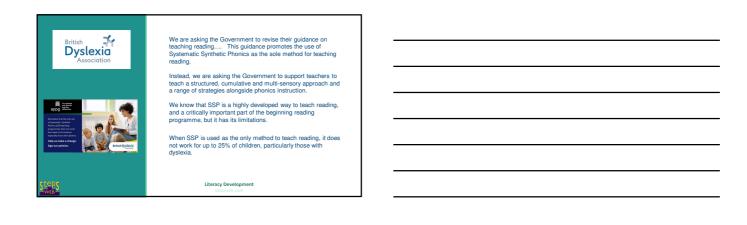




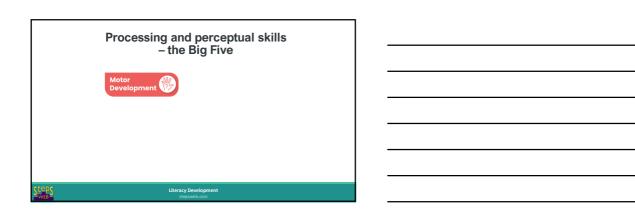








So why do some learners struggle? "She's got a reading problem." "She's got a spelling problem." Don't look at the symptom – identify the cause!





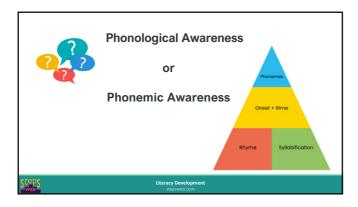
Handwriting Research

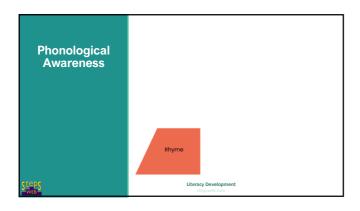
Children not only learn to read more quickly when they first learn to write by hand, but they also remain better able to generate ideas and retain information.

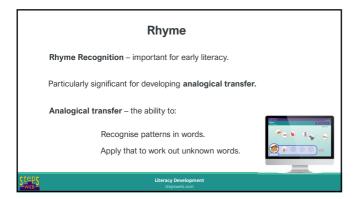
Processing and perceptual skills – the Big Five Motor Development Sequencing Sequencing

Sequencing Literally putting things in order: Letters in a word Words in a sentence Ideas in a story Stages in a plan Literacy Development Literacy Development Literacy Development Literacy Development Literacy Development









Predictors of Reading
Success

USA Study – 1960s

Research Question: What are the key predictors of reading success or failure at age 3-5 years?

Looked at a number of aspects, including:
Intelligence
Speech/language abilities
Attention span
Motor skills
Phonological processing

Findings:
Phonological awareness is the key predictor of reading success for this age-group.

Literacy Development
Literacy Development
Literacy Development

Predictors of Reading Success
Bryant & Bradley (1983)

Research Question: Which aspects of phonological awareness are the most significant?

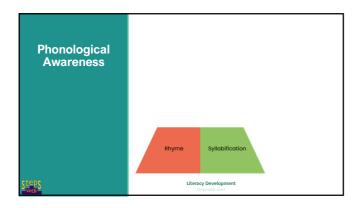
Tested 400 4-5 year-old pre-readers on a range of phonological skills.

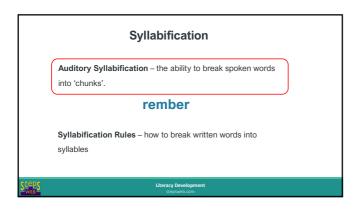
Tested them on reading and spelling 4 years later (aged 8-9)

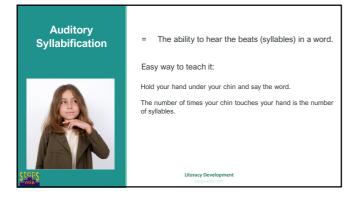
Findings:
Rhyme recognition is the key predictor of reading success for this age-group.

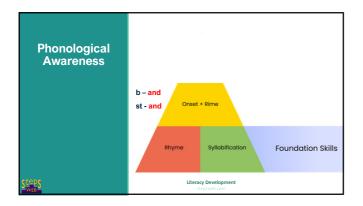
Later studies More recent research studies have identified phonemic awareness as being a crucial predictor. However, this was at age 6 when children had already received phonological and literacy teaching. Key point: Phonemic awareness is not a natural stage of phonological awareness. It is a result of correct literacy teaching.

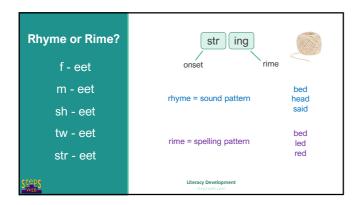
"The majority of preschoolers can segment words into syllables. Very few can readily segment them into phonemes. The more sophisticated stage of phoneme segmentation is not reached until the child has received formal instruction in letter-sound knowledge." Predicting reading and spelling difficulties (Snowling & Backhouse, 1996)

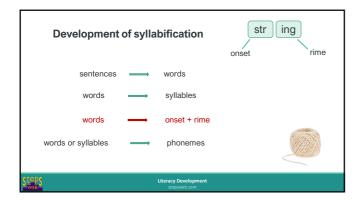


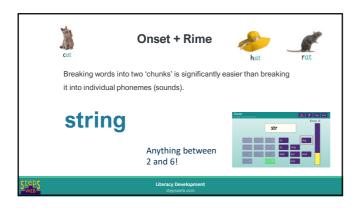


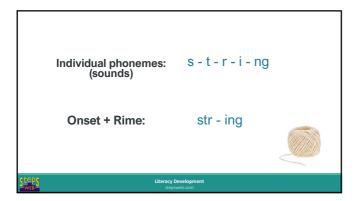


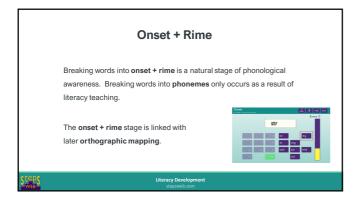


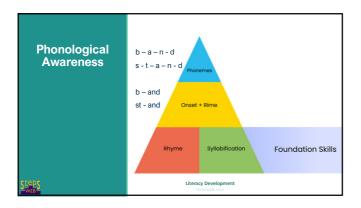


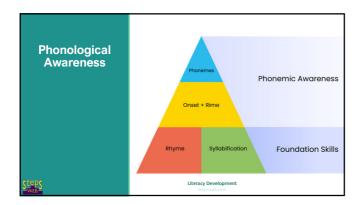


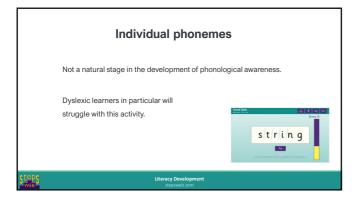


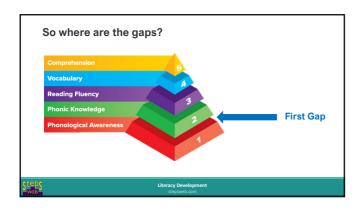


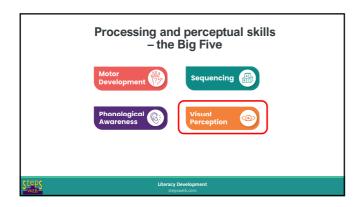


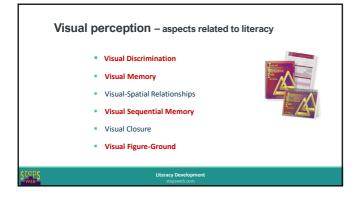


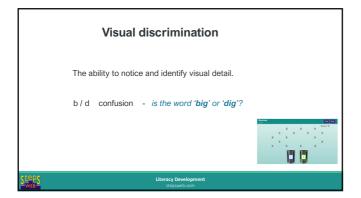


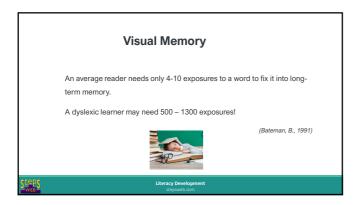


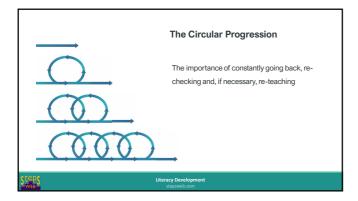


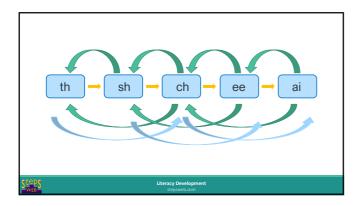


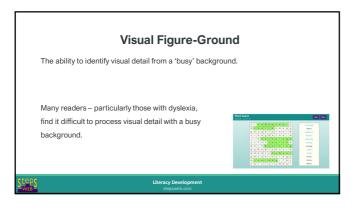


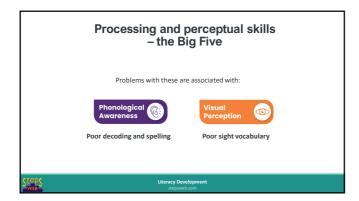


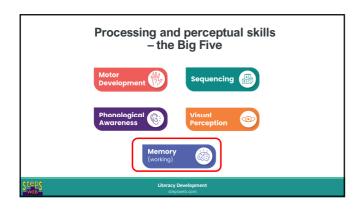


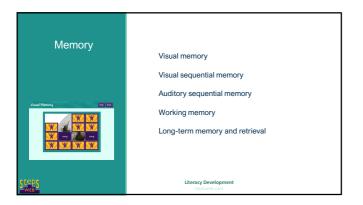


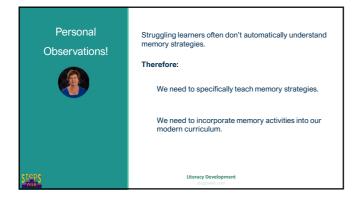


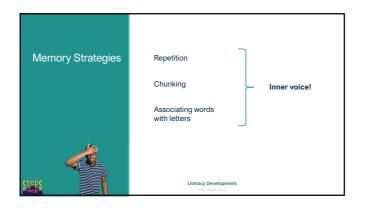


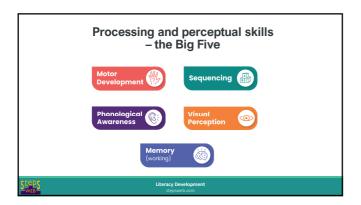




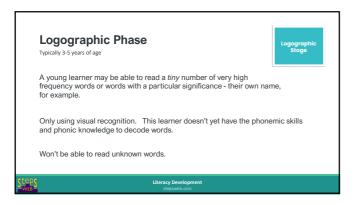


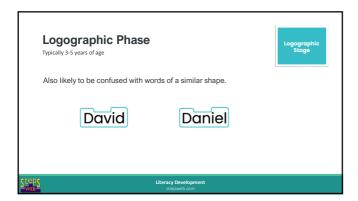


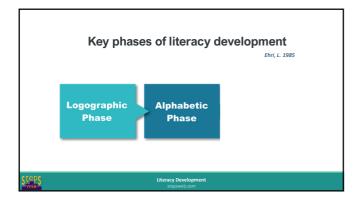


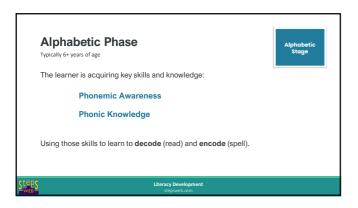


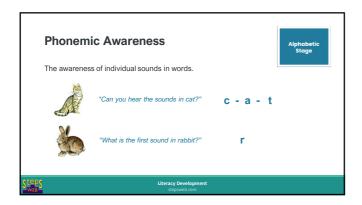


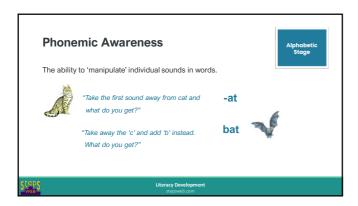


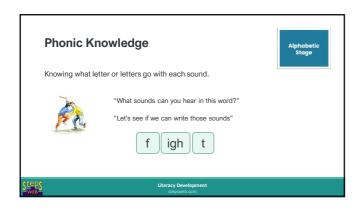




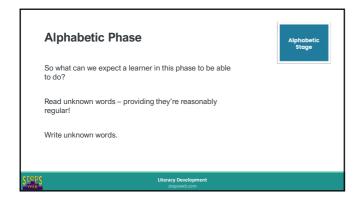


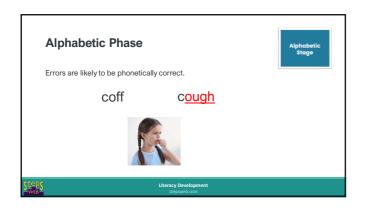




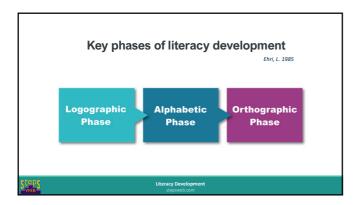


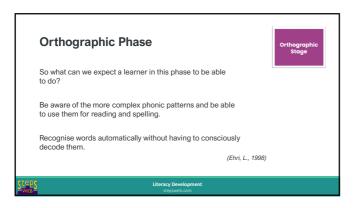


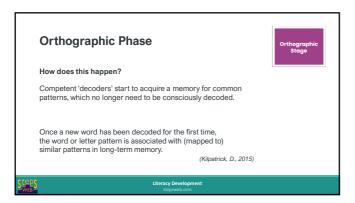


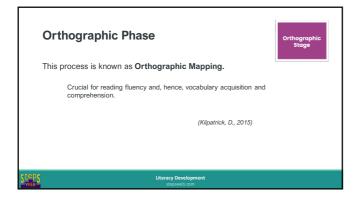


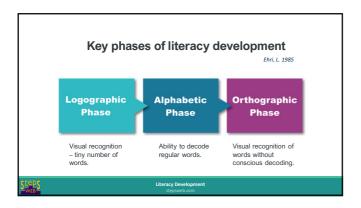


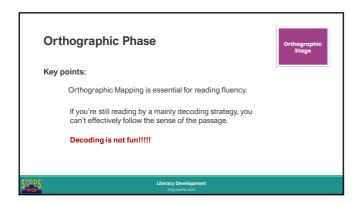


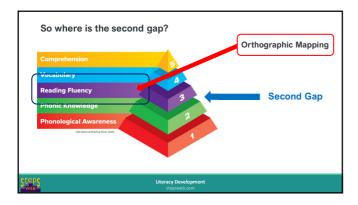


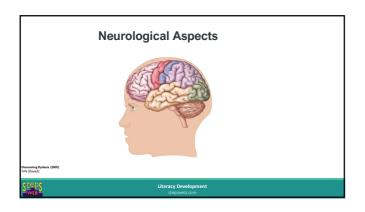


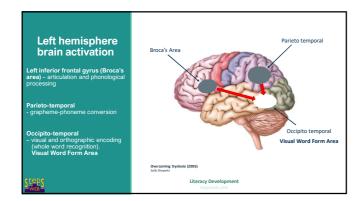


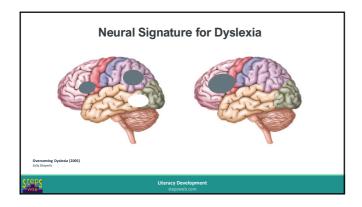


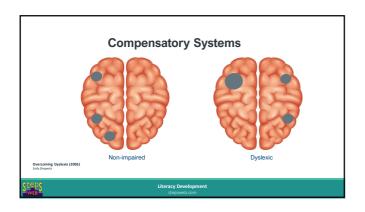








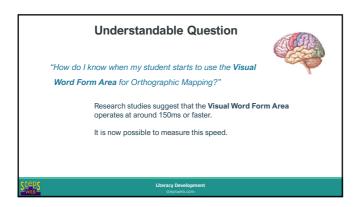


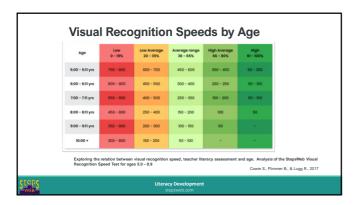


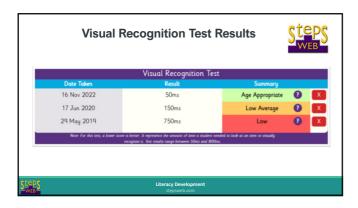
	Conclusion	
	Dyslexic Learners have:	
	An impaired occipito-temporal (Visual Word Form Area)	1
	They therefore over-rely on the wrong areas:	
	Broca's area and parieto-temporal in left hemisphere Right hemisphere areas	
Ownoming Oyslend (2005) Lish (Anguel		
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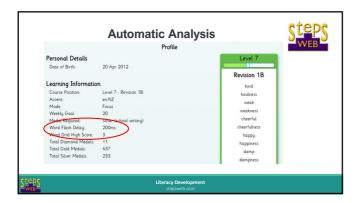
Consequences Decoding areas (over)develop as instruction progresses. Wrong reading strategies being employed for fluency. Wrong areas of the brain being activated and developed. Reading fluency never develops!

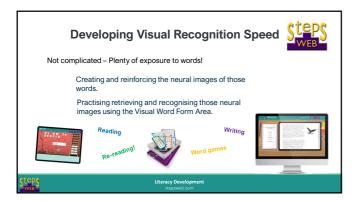
Correct process • Learner analyses and reads the word the first few times • using the decoding areas of the brain. • Neural model of the word is formed • stored in the Visual Word Form Area. • The word can now be recognised automatically – without decoding! Fluency achieved!

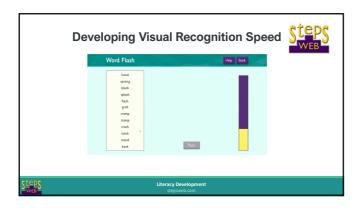


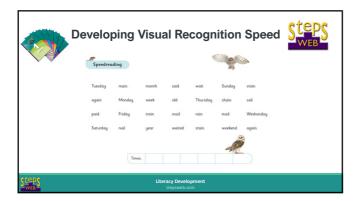


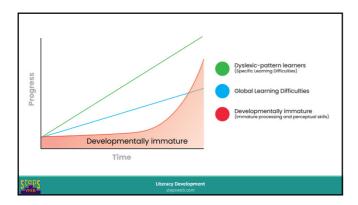


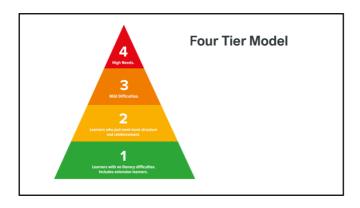


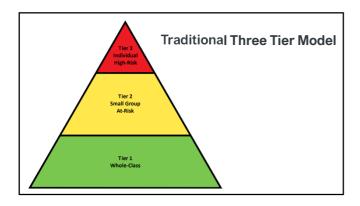


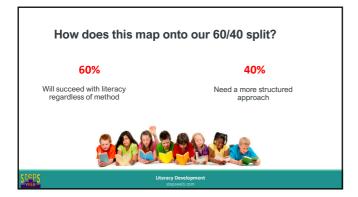


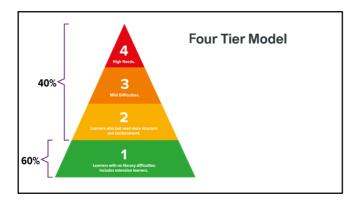


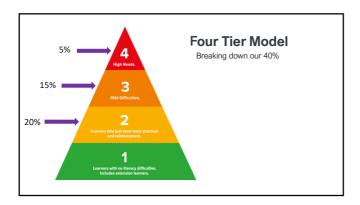


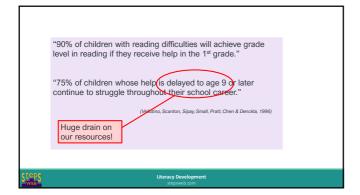


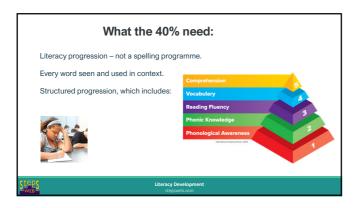












But also: A structure which enables every learner to work at his or her own speed and level. Individualized reinforcement to cater for struggling/dyslexic learners – up to 1300 exposures, if necessary! Transfer between online/computer work and written work.

