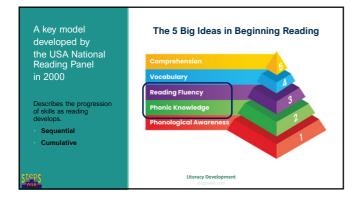
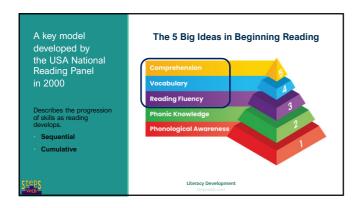


Key Questions Why do some learners struggle, but others don't? How can we stop learners falling through the gaps? What can we do to meet the needs of all our learners?









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!

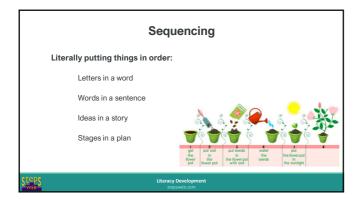
Processing and perceptual skills – the Big Five Motor Development Literacy Development stepment June 1

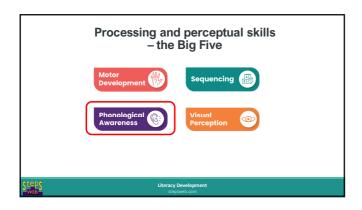


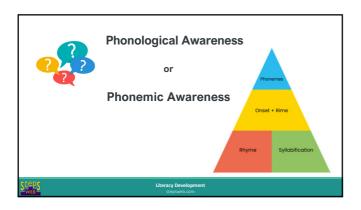
Handwriting Research

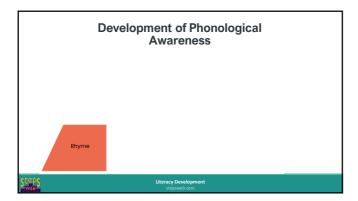
Children not only learn to read more quickly when they first learn to write by hand, but they also remain better able to generate ideas and retain information.

Processing and perceptual skills — the Big Five Motor Development Sequencing Sequencing Sequencing Sequencing Sequencing Sequence Sequen





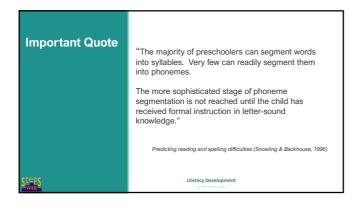


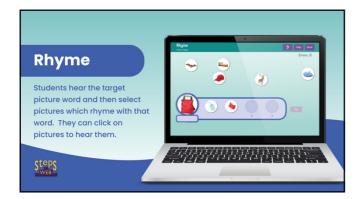


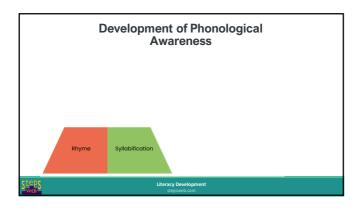


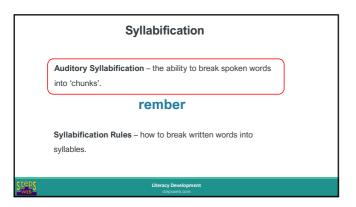
Predictors of Reading Research Question: What are the key predictors of reading success or failure at age 3-5 years? Success Looked at a number of aspects, including: Intelligence Speech/language abilities Attention span Motor skills Phonological processing Findings: Phonological awareness is the key predictor of reading success for this age-group. **Predictors of Reading** Research Question: Which aspects of phonological awareness are the most significant? Success 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. Literacy Development **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

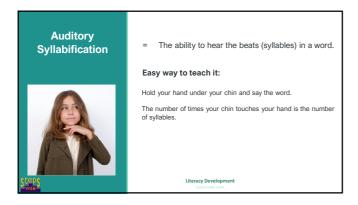
Literacy Development

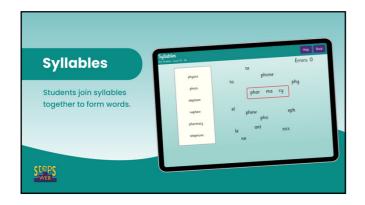


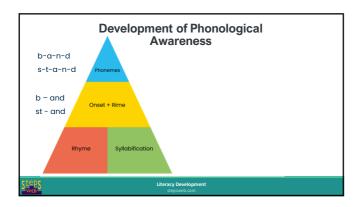


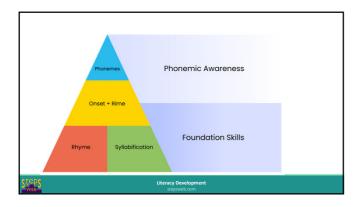


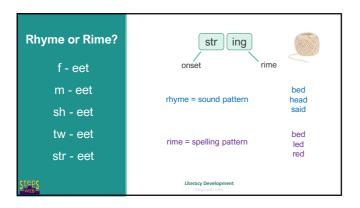


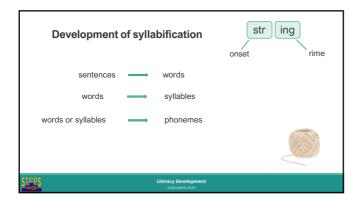


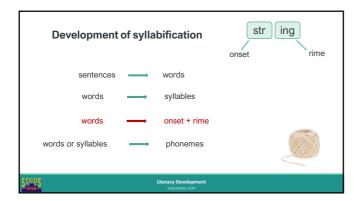


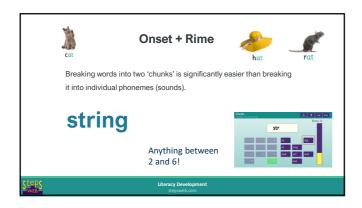


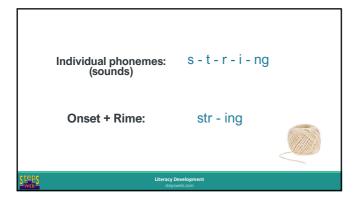


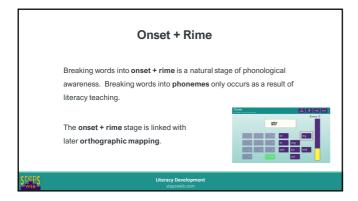




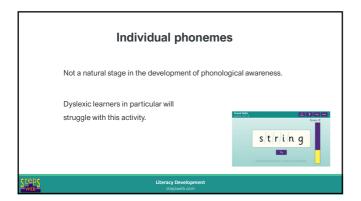




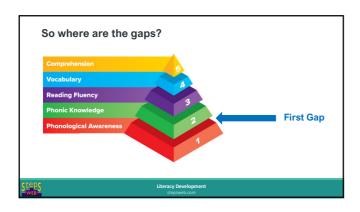


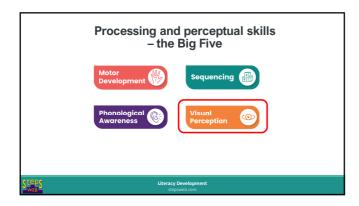


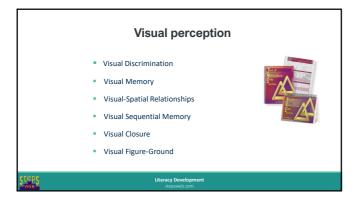


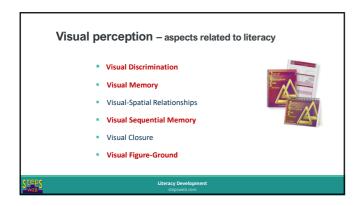


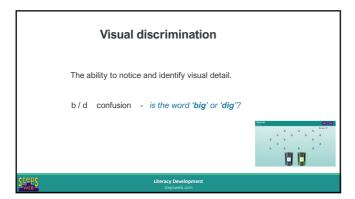


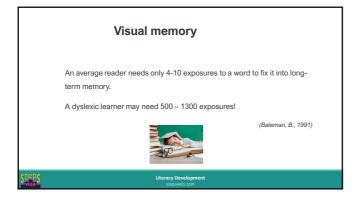


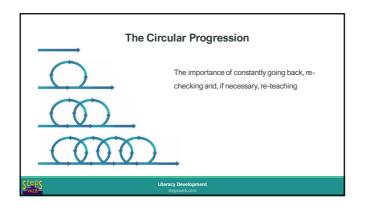


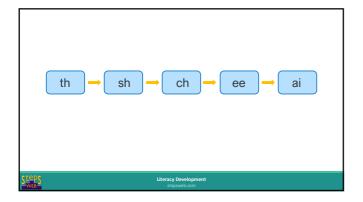


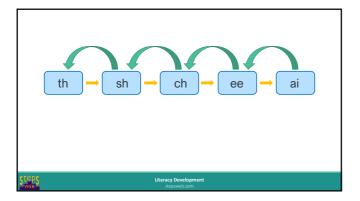


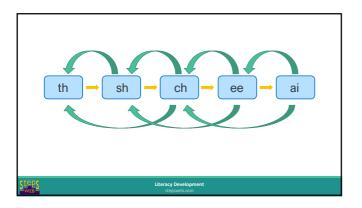


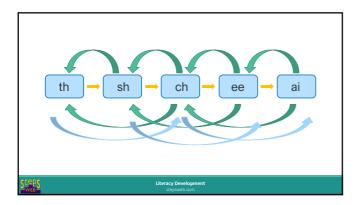








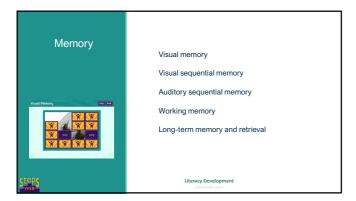


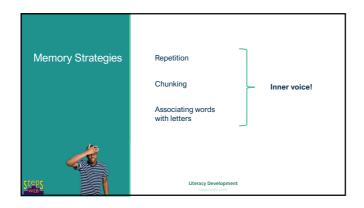


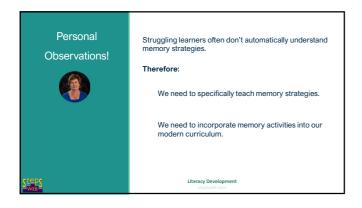
Visual Figure-Ground The ability to identify visual detail from a 'busy' background. Many readers – particularly those with dyslexia, find it difficult to process visual detail with a busy background.

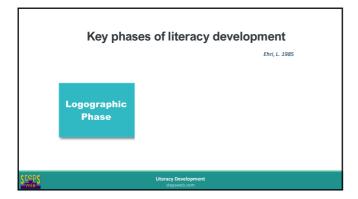


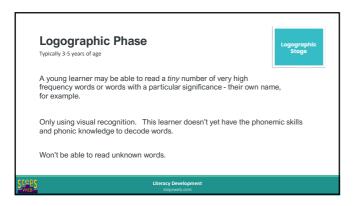


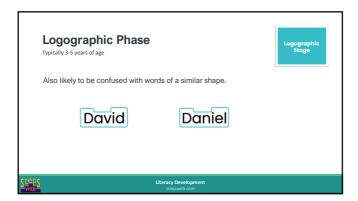


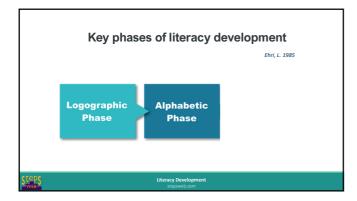


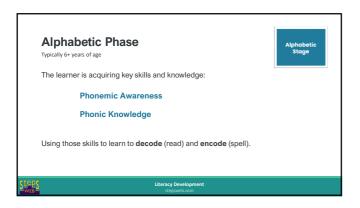


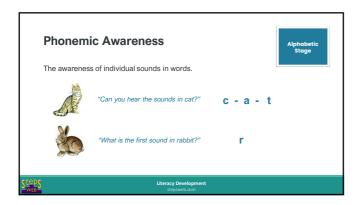


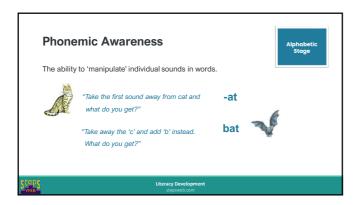


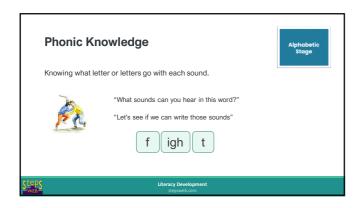


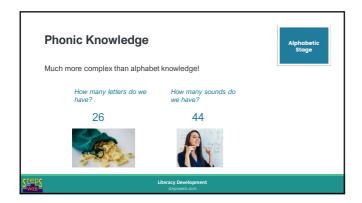


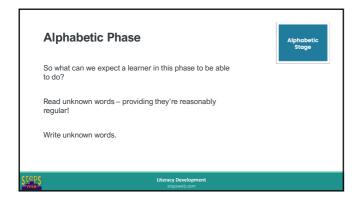


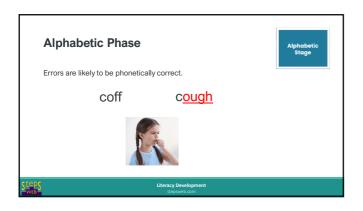




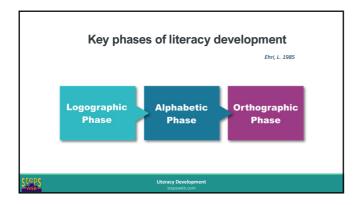


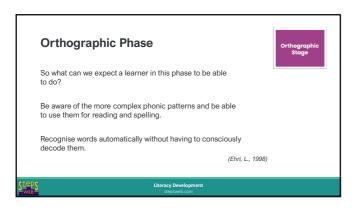


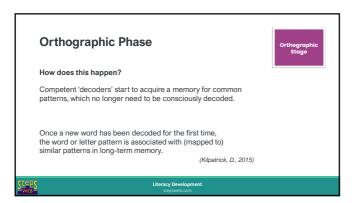


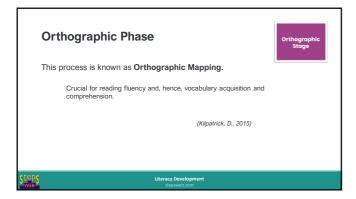


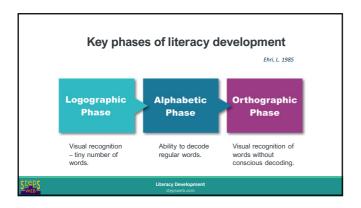


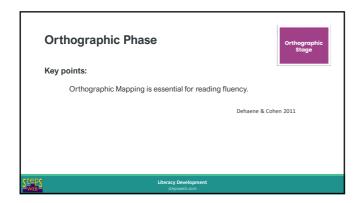


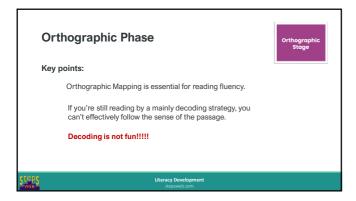


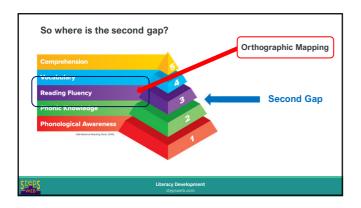


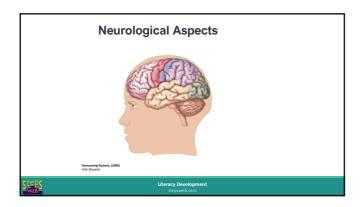


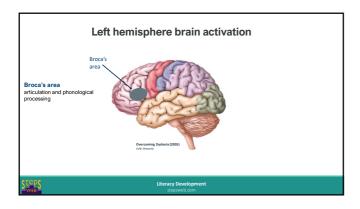


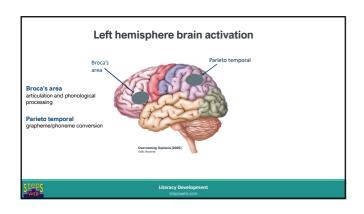


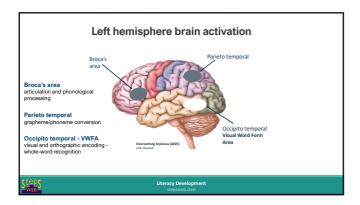


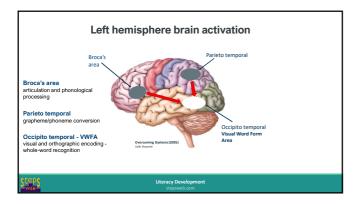


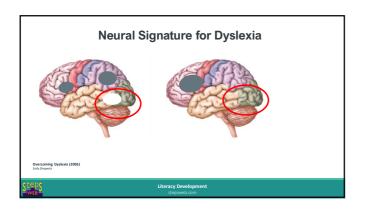


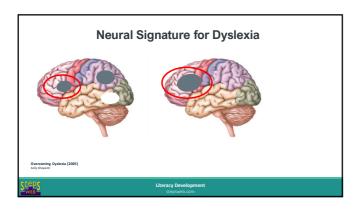


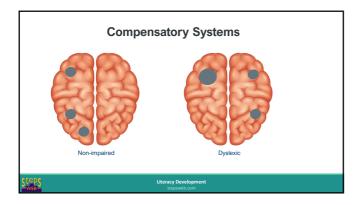


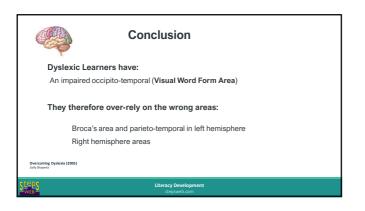














Consequences

- 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!

Overcoming Dyslexia (2005



Literacy Developmen



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!



Literacy Developmen



Understandable Question

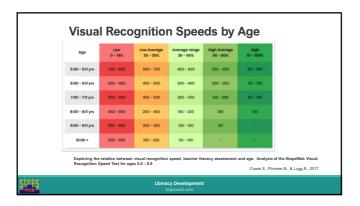
"How do I know when my student starts to use the **Visual Word Form Area** for Orthographic Mapping?"

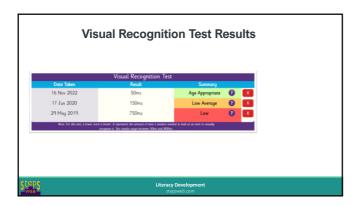
Supporting research studies suggest that the **Visual Word Form Area** operates at around 150ms or faster.

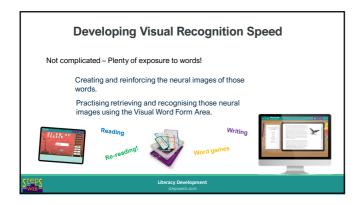
It is now possible to measure this speed.

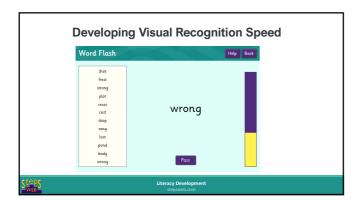


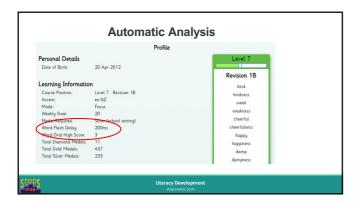
Literacy Developmen stepsweb.com

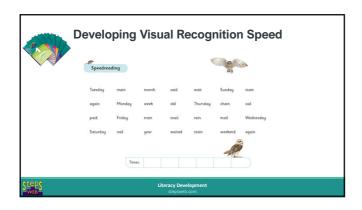


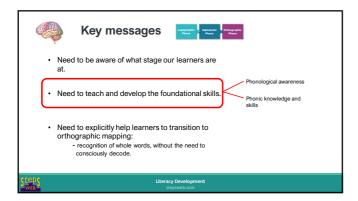


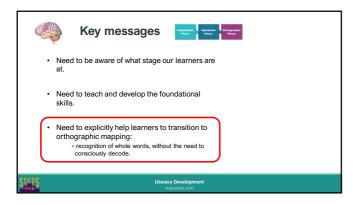












Time for questions – or comments Notes are on the website Q & As – live now, but will be published on the website Personal contact: Ros Lugg ros@stepsweb.com