

# The why, the what and the how of DI & El

### Why?

• Explain the relationship between working memory, long term memory, automaticity and learning.

### What?

• Differentiate between the terms Explicit Instruction, Explicit Direct Instruction, direct instruction and Direct Instruction

### How?

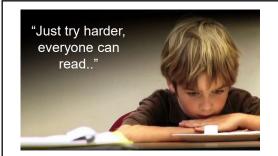
• Identify the salient features and purpose of Daily Review

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# Ideological Alignment TEACHING MATTERS SCARCE OF SAMAPHYPO

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DI is the ugly duckling of education, despised and defamed despite repeated demonstrations that it works. No other educational reform strays further from accepted theory, differs more from accepted practice or draws such brutal slander for its achievements (Barbash, 2012, p. 38).

Barbash, S. (2012). Clear teaching: With direct instruction, Siegfried Engelmann discovered a better way of teaching. Education Consumers Foundation. http://education-consumers.org/pdf/CT\_111811.pdf

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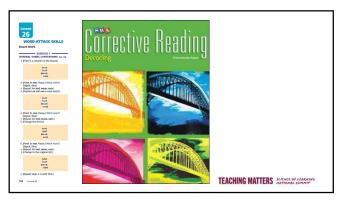
### PARTIII

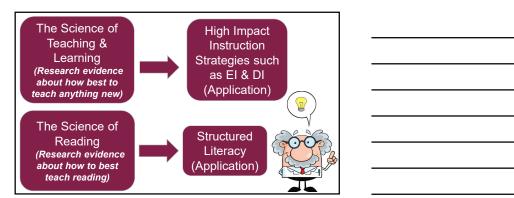
Hurn was sleeping when it happened. Hurn didn't hear the big cat sneak into the cave that Hurn called his home. Suddenly Hurn was awake. Something told him, 'Beware' His eyes turned to the darkness near the mouth of the cave. Hurn felt the fur or the back of his neck stand up. His nose like noses of all wolves, was very keen. It made him very happy when it smelled something good. But now it smelled something that made him

smeize sometiming that make min afraid.
Hurn was five months old. He had never seen a blig cat. He had seen clover and ferns and grass. He had even eather with them after whe had been out between the seen of th

Pre (Start of Term 1, Yr 7) Post (End of Term 4, Yr 7)







DI, EDI, EI, c	iś.		
Explicit Instruction is unscripted and comes from the work of Dr Barak Rosenshine.	Explicit Instruction, Explicit Direct Instruction (EDI) and direct instruction (di or 'little di') are terms used to describe Explicit Instruction.	explicit Instruction  Make Model  OWARDA Model	The Property Control of the Control
Direct Instruction is scripted and comes from the work of Siegfried Engelmann.	Direct Instruction (DI or big DI) is the commercial materials such as <i>Spellin</i> Engelmann and published by Scientif Associates (SRA). DI also includes <i>Le Elementary Maths Mastery</i> and <i>Junio Elementary Maths Mastery</i> .	g Mastery wri ic Research et's Decode,	

# Why the need for fluency?

"It's not drill and kill, it's giving children multiple exposures to build the visual word form area."

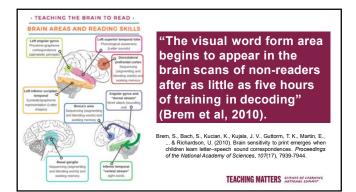
Professor Maryanne Wolf (2019)

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Wolf, M. (2007). Proust and the squid: The story and science of the reading brain. Harper Collins Publishers.

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## My (mis)education

- 'Whack a mole'
- Brain Gym
- Learning styles (auditory, visual, kinaesthetic)
- · "Your job is not to teach reading"





# **Assumptions**

- There is a gap between research and practice in schools and this varies between states and schools.
- Teachers want the best for their students, but sometimes they don't have the right tools.
- Instructional change is hard, even if teachers have the will to change.



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# Why the instructional approach we choose matters... 20% of Australian moderns are gledicert in workfolding from entering based. 7.3 million Australian Australian Australian children are a first for exemple yield. 11.1.3 Australian children are at risk of reading failure. 21% of new primary school teachers are done to workfolding primary school teachers are a first of reading failure. 21% of new primary school teachers are a first of reading failure. 21% of new primary school teachers are a first of reading failure. 21% of new primary school teachers are a first or areading about the areading and a first or a fir

Five times as many individuals have reading difficulties than the 3-5% suggested by researchers



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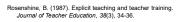
Big Idea: What is Explicit Instruction?

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# What is Explicit Instruction?

"The terms explicit teaching or direct instruction are summary terms for recent findings on effective teaching. They refer to a systematic method of teaching with emphasis on proceeding in small steps, checking for students understanding and achieving active and successful participation by all students" (p. 34).





# Does Explicit Instruction work? The effectiveness of explicit instruction is supported by the existence of a large volume of convergent research, conducted over almost five decades, and emanating from a variety of disciplines and theories." (Hughes et al, 2017, p. 6)

ughes, C. A., Morris, J. R., Therrien, W. J., & Benson, S. K. (2017). Explicit instruction: Historical and contemporary contexts. *Learning Disabilities Research & Practice*, 32(3), 140-148. https://doi.org/10.1111/jdrp.12142

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about how the human brain works (i.e. that learning happens most efficiently when teaching is clear, systematic and does not leave students to construct or discover information without any guidance)." (p. 1)

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## What about high SEI schools?

Sent: Thursday, 30 March 2023 11:24 PM
To: Lorraine HAMMOND < l. hammond@ecu.edu.au> Subject: Daily Review - wow!



### Hi Lorraine

I'm sorry to email you at night BUT I just had to share. This term I have really refined my phonics teaching and really tightened up my daily reviews for reading and spelling. I used all I have learned from you Lorraine, stuck to the same slides, only changed the code so essentially reducing cognitive load, continued to use your sequence. Today i have just

I have a little one who only got 6 out of 26 at the beginning of the year and now is 23/26!!!! 88% mastery for stage 1. This is unheard of. At this time of the year, these results remind me of why I bust myself each day in hope of progress for these little people!!!

I now have the majority of my Foundation students operating at Yr 2 standard which I didn't think was possible when I got them



Why do we 'Daily
Review'?

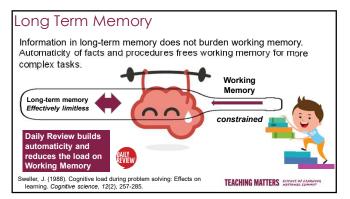
Why do we 'Daily

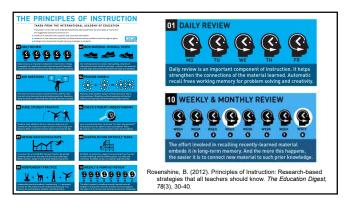
Review'?

Short-term memory

Long-term memory









For older students: say, syllables, segment into phonemes to

Big Idea: You can't love them to learning

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