



Introduction

- **Retrieval-based practice** increases word learning and retention in children with Developmental Language Disorder (DLD) more than **passive exposures**.
- Current research with retrieval-based practice focuses on labcreated words linked to concrete objects.

Lab Based Task (Word Form)	Intervention (Word For:		Intervention Task (Word Meaning)	
Presentation This is a <i>duver</i> . You say <i>duver</i> .	Presentation I like to eat strawberr in the summertime. They are <i>ripe</i> . You say <i>ripe</i> .	ries	Presentation <i>Ripe</i> means full grown and good to pick or eat. <i>Ripe</i> is like ready.	
Retrieval Prompt What is this one called?	Retrieval Prompt I like to eat strawberr summertime. They ar		Retrieval Prompt What does <i>ripe</i> mean?	
Feedback This is a duver.	<mark>Feedback</mark> They are <i>ripe</i> .		Feedback <i>Ripe</i> means full grown and good to pick or eat.	

Key Questions

- Do children with DLD demonstrate effective learning and retention of real words with abstract meanings (Tier 2) when they are taught in an intervention using principles of retrievalbased practice?
- 2. How does children's performance in the intervention with Tier 2 words compare to children's performance in past research with lab-created words linked to concrete objects?

Methods

- **Participants:** 7 children with DLD (F = 4, M = 3), age 4 7 (mean = 68.71 months).
- **15 sessions:** 2 sessions a week for 7.5 weeks.
- Children were trained with four words at a time via retrievalbased practice with feedback.
- Criterion-based approach: Children were trained on a word until they produced the correct form and meaning at the beginning of 2 sessions or completed 7 total sessions with the word. Thus, dosage was tailored per word within child.

A Word-Learning Intervention Utilizing Principles of Retrieval-Based Practice: A Single-Case Design with 4- to 7-year-old Children with Developmental Language Disorder Katherine Gordon, Holly Storkel, Stephanie Lowry, & Mollee Sultani

		Included In Training	Criterion (1 session)	Criterion (2 sessions)	Immediate Retention	2-Week Delay	8-Week Delay
	- NJ	13 words	10 words	9 words	Form = 8, Meaning = 4	Form = 9, Meaning = 2	Form = 7, Meaning = 3
		13 words13 words13 words	10 words	9 words	Form = 9, Meaning = 6	Form = 8, Meaning = 5	Form = 5, Meaning = 1
	BW	13 words	8 words	8 words	Form = 11, Meaning = 8	Form = 11, Meaning = 5	Form = 6, Meaning = 3
	MW	13 words	8 words	8 words	Form = 7, Meaning = 3	Form = 6, Meaning = 2	Form = 5, Meaning = 0
2	AB	12 words	7 words	3 words	Form = 6, Meaning = 2	Form = 5, Meaning = 3	Form = 4, Meaning = 5
	CH	12 words	5 words	3 words	Form = 4, Meaning = 4	Form = 5, Meaning = 5	Form = 2, Meaning = 0
С С	י IG	12 words	2 words	1 word	Form = 1, Meaning = 1	Form = 3, Meaning = 0	Form = 2, Meaning = 1

- sessions with the majority of words.
- difficulty achieving a criterion of 2 sessions.

