

The Effects of a Technology Enhanced Storybook Reading Intervention

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Purpose:

- Seeking evidence of a relationship between an intervention package that included an iPad app and facilitation to teach vocabulary words, i.e. selected verbs

Primary RQ:

- To what extent does a technology delivered vocabulary intervention improve the verb knowledge of preschool children?

Summary of results:

- All 6 children made gains on all outcome measures
 - ❖ Expressive vocab 2-4 word gain across books
 - ❖ Receptive vocab 0-4 word gain across books
 - ❖ Definitions/examples 0-4 word gain across books
- All 6 children generalized to new, novel images
 - ❖ Expressive 1-4 images
 - ❖ Receptive 3-4 images
- Teachers indicated the method was feasible
- Children responded favorably to the app/intervention

Results – Descriptive Statistics

	Expressive				Receptive				Definition/Example			
	Pretest		Posttest		Pretest		Posttest		Pretest		Posttest	
	#	%	#	%	#	%	#	%	#	%	#	%
Child1	1	4.25	20	83.25	15	62.50	24	100	5	20.75	20	83.25
Child2	1	4.25	18	75	13	54.25	24	100	3*	15	19	79.25
Child3	1	4.25	20	83.25	12	50	23	95.75	2	8.25	16	66.75
Child4	1	4.25	22	91.75	17	70.75	21	100	6*	30	21	87.5
Child5	0	0	24	100	11	45.75	24	100	9	37.50	21	87.5
Child6	2	8.25	23	95.75	22	91.75	23	95.75	7	29.25	19	79.25

= total number correct across books; % percentage correct across books; * indicates missing data