

Appendix A

Table A1

Descriptive Statistics for Study 1

	Pretest						Posttest							<i>ES</i>
	Treatment			Control			Treatment			Control				
	<i>N</i>	Mean	<i>SD</i>	<i>N</i>	Mean	<i>SD</i>	<i>N</i>	Mean	<i>SD</i>	<i>N</i>	Mean	<i>SD</i>		
PPVT	222	83.08	23.41	307	85.09	21	213	96.36	21.34	283	97.6	19.99	-0.02	
TNL	229	15.64	7.75	310	15.46	7.26	213	19.08	7.6	283	18.75	6.84	0.02	
CELF SS	230	16.59	4.77	310	16.69	4.47	213	19.8	4.1	283	19.97	4.14	-0.04	
WJ PVT	229	14.86	4.23	308	14.95	4.09	213	16.79	4.09	283	16.64	3.93	0.06	
WJ SC	228	10.69	2.38	308	10.89	2.1	213	11.98	2.27	283	11.87	2.13	0.12	
WJ SS	229	9.83	2.65	308	9.83	2.52	213	11.5	2.3	283	11.55	2.53	-0.01	
CSVT	---	---	---	---	---	---	199	7.53	3.04	271	5.93	2.43	0.6	
CSKT PL	---	---	---	---	---	---	208	1.19	1.56	271	0.86	1.31	0.25	
CSKT NA	---	---	---	---	---	---	207	1.17	1.7	272	0.01	0.14	0.98	

Note. *N* = sample size, *SD* = standard deviation, *ES* = effect size for treatment of Hedge's *g* using the covariate adjusted mean difference from the results in the following two tables and corrected for sample size.

Table A2

Results of Main Effects Models for Standardized Outcomes in Study 1

	PPVT			TNL			CELF SS			WJ PVT			WJ SC			WJ SS		
Fixed effects	Est	SE	p	Est	SE	p	Est	SE	p	Est	SE	p	Est	SE	p	Est	SE	p
Intercept	-.04	.04	.357	.04	.07	.593	.02	.06	.723	-.04	.04	.302	-.06	.07	.408	-.06	.07	.353
Pretest	.84	.02	<.001	.75	.03	<.001	.65	.03	<.001	.84	.02	<.001	.67	.03	<.001	.69	.03	<.001
Treatment	-.02	.05	.729	.02	.09	.870	-.04	.07	.534	.06	.05	.257	.12	.09	.179	-.01	.08	.882
Size	.04	.05	.370	-.13	.10	.215	-.02	.07	.752	.00	.05	.937	-.01	.09	.909	.14	.09	.128
Random effects	Variance			Variance			Variance			Variance			Variance			Variance		
School	.000			.030			.000			.002			.018			.016		
Residual	.288			.407			.567			.276			.518			.503		

Note. Pretest and posttest were z-scored within Study 1 only for these models to aid in interpretation of coefficients. Est = estimate, *SE* = standard error, PPVT = Peabody Picture Vocabulary Test- Fourth Edition, TNL = Test of Narrative Language, CELF SS = Clinical Evaluation of Language Fundamentals- Fourth Edition Sentence Structure subtest; WJ PVT = Woodcock-Johnson III Tests of Achievement Picture Vocabulary subtest; WJ SC = Woodcock-Johnson Tests of Achievement Science subtest; WJ SS = Woodcock-Johnson Tests of Achievement Social Studies subtest

Table A3

Results of Main Effects Models for Proximal Outcomes in Study 1

	CSV T			CSKT PL			CSKT NA		
Fixed effects	Est	SE	p	Est	SE	p	Est	SE	p
Intercept	-.28	.07	<.001	-.12	.09	.196	-.31	.15	.053
PPVT pretest	.47	.04	<.001	.29	.04	<.001	.16	.04	<.001
Treatment	.60	.08	<.001	.25	.11	.036	.98	.19	<.001
School size	.03	.08	.730	.03	.12	.790	-.28	.20	.186
Random effects	Variance			Variance			Variance		
School	.004			.027			.175		
Residual	.691			.892			.577		

Note. Pretest and posttest were z-scored within Study 1 only for these models to aid in interpretation of coefficients. Est = estimate, *SE* = standard error, CSV T = Curriculum-Specific Vocabulary Test; CSKT PL = Curriculum-Specific Knowledge Test – Plants; CSKT NA = Curriculum-Specific Knowledge Test – Native Americans