

## Supplemental Material S4

*Models for kindergarten predicting grade 3 reading comprehension*

	Model 1			Model 2			95% bootstrap CI*
	$\beta$	SE	p-value	$\beta$	SE	p-value	
Predicting G3 reading comprehension							
K Spanish Semantic Relationships and Memory	-0.149	0.128	0.245	-0.191	0.190	0.289	---
K Spanish Oral Language	0.212	0.126	0.093	0.208	0.145	0.152	---
K English semantic relationships	0.055	0.089	0.534	0.103	0.115	0.374	---
K English oral language	0.432	0.097	< .001	0.427	0.104	< .001	---
K English word reading	0.352	0.08	< .001	0.358	0.085	< .001	---
K English print knowledge	0.099	0.089	0.231	0.086	0.089	0.331	---
Predicting K English Semantic Relationships							
K Spanish Semantic Relationships and Memory				0.801	0.212	< .001	---
K Spanish Oral Language				-0.185	0.206	0.368	---
Predicting K English Oral Language							
K Spanish Semantic Relationships and Memory				0.496	0.199	0.013	---
K Spanish Oral Language				0.126	0.180	0.485	---
Predicting K English Word Reading							
K Spanish Semantic Relationships and Memory				0.395	0.186	0.034	---
K Spanish Oral Language				-0.159	0.172	0.357	---
Effect from K Spanish oral language (OL) to G3 reading comprehension (RC)							
Total indirect effect (i.e., all mediators)				-0.022	---	---	[-0.736, 0.222]
Indirect effect from K Spanish OL to G3 RC via English semantic relationships				-0.019	---	---	[-0.652, 0.023]
Indirect effect from K Spanish OL to G3 RC via English oral language				0.054	---	---	[-0.141, 0.199]
Indirect effect from K Spanish OL to G3 RC via English word reading				-0.057	---	---	[-0.415, 0.043]
Effect from K Spanish semantic relationships and memory (Spanish SR & M) to G3 reading comprehension (RC)							
Total indirect effect (i.e., all mediators)				0.436	---	---	[0.113, 1.570]
Indirect effect from K Spanish SR & M to G3 RC via K English semantic relationships				0.082	---	---	[-0.137, 0.700]
Indirect effect from K Spanish SR & M to G3 RC via K English oral language				0.212	---	---	[0.041, 0.628]
Indirect effect from K Spanish SR & M to G3 RC via K English word reading				0.141	---	---	[-0.005, 0.630]

\*For the 95% CI bootstrap, we used 5,000 bootstraps and the CI has been bias-corrected.

Note: bolded standardized coefficients are significant at the  $\alpha = .05$  level

Model 1 fit: RMSEA = 0.069, 90%CI[0.063, 0.076]; CFI = 0.89; SRMR = 0.171; AIC = 35250.154

Model 2 fit: RMSEA = 0.063, 90% CI[0.057, 0.070]; CFI = 0.91; SRMR = 0.064; AIC = 35168.983