

Table S1 displays the standard errors, z -scores, and p -values for the variance estimates for the individual main effects of the person-by-word, person-level, and word-level factors included in the interaction and prompting models reported in the manuscript (Tables 4 and 5).

Table S1.

Individual Main Effects Predicting Probability of Word Spelling Responses on Target Spelling Task

Single predictors	Est.	SE	z	p
Person-by-word factors^a				
Set for Variability	.94	.10	9.20	<.001
Intercept	.03	.27	.12	.91
English Familiarity	1.22	.12	10.37	<.001
Intercept	-.37	.28	-1.33	.18
Person factors^b				
Bilingual	-.26	.22	-1.17	.24
Intercept	.74	.32	2.31	.02
Standardized Spelling	.26	.02	14.20	<.001
Intercept	.59	.28	2.11	.03
Oral Vocabulary	.12	.02	5.93	<.001
Intercept	.56	.28	1.98	.047
Decoding (PDE)	.07	.01	6.32	<.001
Intercept	.58	.28	2.05	.04
English Familiarity (Total)	.14	.02	8.56	<.001
Intercept	.57	.28	2.05	.04
Spanish Familiarity	-.01	.02	-.59	.55
Intercept	.58	.29	2.00	.046
Set for Variability (Total)	.16	.01	14.12	<.001
Intercept	.57	.28	2.08	.04
Word factors^c				
Cognate	.59	.54	1.11	.27
Intercept	.25	.41	.61	.54
Orthographic Similarity	.72	.77	.93	.35
Intercept	.15	.54	.29	.78
Phonological Similarity	.49	1.98	.25	.80
Intercept	.48	.47	1.03	.30
Length	.16	.14	1.18	.24
Intercept	.58	.28	2.03	.04
Frequency	1.01	.19	5.17	<.001
Intercept	.57	.23	2.48	.01
Morphemes	.28	.28	1.00	.32
Intercept	.58	.29	2.02	.04

Note. Each of the predictors and the respective estimates represent results from predicting probability of word spelling accuracy from one variable at a time, isolated from other item-, person-, and word- level predictors in the model.

Est. = parameter estimate; SE = standard error; PDE = phonemic decoding efficiency.

^aPerson-by-word factors include item-specific performance and interactions of person- and word-level variables; ^bPerson factors represent aggregate performance by the individual on the measure, except for bilingual status, which is coded as 0 for monolingual, 1 for bilingual. ^cWord factors represent fixed characteristics of each specific word on the target spelling measure.

Table S2 displays the standard errors, z-scores, and *p*-values for the variance estimates of the person-by-word, person-level, and word-level factors included in a variation of the main interaction model reported in the manuscript. Log frequency values of the Spanish translation equivalents replaced English word frequency values as a word-level predictor.

Table S2.

Fixed effects predicting probability of correct word spelling responses on target spelling task.

Fixed effects	Unconditional model				Spanish frequency model (<i>N</i> =118)			
	Est.	<i>SE</i>	<i>z</i>	<i>p.</i>	Est.	<i>SE</i>	<i>z</i>	<i>p</i>
Intercept	.57	.29	-.53	.047	-.77	.58	-1.32	.19
Person-by-Word Factors^a								
SfV	–	–	–	–	.59	.12	5.12	<.001
English Familiarity	–	–	–	–	.84	.13	6.45	<.001
Bilingual Status x Cognate Status	–	–	–	–	.47	.17	2.67	.01
Person Factors^b								
Bilingual	–	–	–	–	-.36	.14	-2.48	.01
Spelling	–	–	–	–	.16	.02	7.55	<.001
Vocabulary	–	–	–	–	.02	.01	1.54	.12
Decoding (PDE)	–	–	–	–	.01	.01	1.94	.05
SfV	–	–	–	–	.05	.02	2.99	<.01
Word Factors^c								
Cognate	–	–	–	–	.66	.53	1.23	.22
Length	–	–	–	–	.02	.18	.09	.93
Spanish Frequency	–	–	–	–	.25	.43	.59	.56
Morphemes	–	–	–	–	.16	.35	.46	.65
Intercepts	Variance				Variance		Variance Explained	
Person	1.12				0.11		90.35%	
Word	2.87				2.08		27.41%	

Note. Each of the predictors and respective estimates represent the results from predicting probability of word spelling accuracy from all variables simultaneously (i.e., in the presence of all other word- and person-level predictors in the model).

Est.= parameter estimate; *SE* = standard error; SfV = set for variability; PDE = phonemic decoding efficiency.

^aPerson-by-word include item-specific performance and interactions of person- and word-level variables; ^bPerson factors represent aggregate performance by the individual on the measure, except for bilingual status, which is coded as 0 for monolingual, 1 for bilingual. ^cWord factors represent fixed characteristics of each specific word on the target spelling measure.