

External non-linguistic cues influence language selection during a forced choice task.

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Supplementary materials

Additional exploratory analyses were conducted to determine whether the effect of language cues differed in trials where Welsh was selected as the language of choice, and trials where English was selected as the language of choice (Table S1). In this analysis, the baseline was Language choice: Welsh, No Lanyard, No Sign. When Welsh was selected as the language of choice, the overall pattern of results mirror those seen in the original confirmatory analysis. When English was selected as the language of choice, a slightly different pattern emerged: response times in ‘No Lanyard’ trials were similar for trials in which a poster was present and absent (Figure S1). Note, however, that the three-way interaction was not significant. Furthermore, responses were generally slower when English was selected as the language of choice than when Welsh was selected as the language of choice.

Table S1. *Fixed effect estimates derived from the linear mixed effects analysis to determine the effect of Language Choice, Lanyard and Poster on response time data.*

	Estimate	Std. Error	t value
Intercept	973.71	37.109	26.239
Language Choice: English	22.57	34.568	0.653
Lanyard	-180.38	33.283	-5.420
Poster	-107.93	23.7	-4.554
Language Choice*Lanyard	61.50	43.923	1.400
Language Choice*Poster	63.54	34.333	1.851
Lanyard*Poster	105.50	27.632	3.818
Language Choice*Lanyard*Poster	-5.35	58.249	-0.092

$t > 3.29; p < .001.$

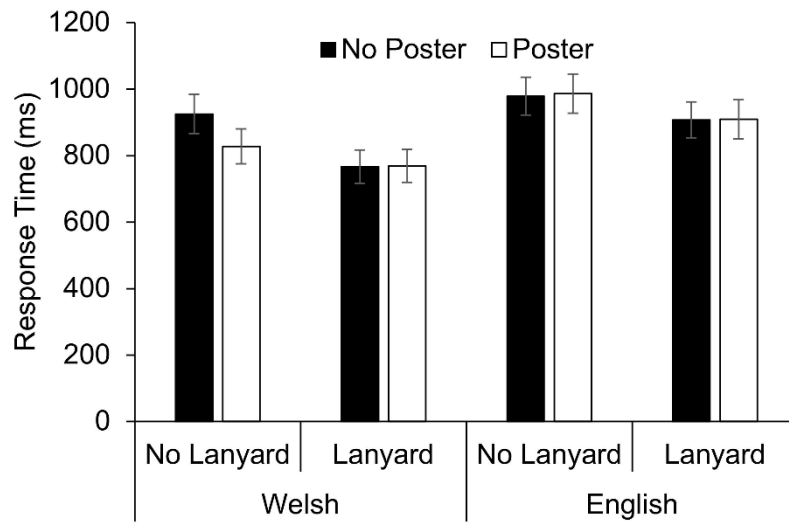


Figure S1. Participant response times (ms) across all experimental conditions, split by Language Choice. Error bars represent the standard error of the mean.