

Supplemental material

Table S1

Multi-group (2020 vs 2021) Measurement Invariance of the Opportunities for Social Interaction

Scale

Model	χ^2	<i>df</i>	χ^2/df	CFI	RMSEA [90%CI]	$\Delta\chi^2$	Δdf	ΔCFI
One-factor model	11.65 **	3	3.88	.998	.050 [.022, .081]			
Configural multigroup model	13.71 *	6	2.28	.998	.047 [.013, .080]	-	-	-
Metric model	19.61 *	10	1.96	.997	.041 [.011, .067]	5.91 <i>ns</i>	4	.001
Scalar model	152.61 ***	14	10.90	.960	.131 [.112, .150]	133.00 ***	4	.037

Note. χ^2/df = chi-square divided by its degrees of freedom; CFI = comparative fit index; RMSEA = root mean square error of approximation. $\Delta\chi^2$ = Delta chi-square; Δdf = Delta degrees of freedom.

* $p < .05$; ** $p < .01$; *** $p < .001$.

Table S2

Multi-group (2020 vs 2021) Measurement Invariance of the Engagement with Learning Scale

Model	χ^2	<i>df</i>	χ^2/df	CFI	RMSEA [90%CI]	$\Delta\chi^2$	Δdf	ΔCFI
Two-factor model	143.52 ***	21	6.83	.981	.071 [.060, .082]			
Configural multigroup model	188.24 ***	42	4.48	.977	.077 [.066, .089]	-	-	-
Metric model	190.49 ***	49	3.89	.978	.070 [.060, .081]	2.25 <i>ns</i>	7	-.001
Scalar model	202.38 ***	56	3.61	.977	.067 [.057, .077]	11.89 <i>ns</i>	7	.001

Note. χ^2/df = chi-square divided by its degrees of freedom; CFI = comparative fit index; RMSEA = root mean square error of approximation. $\Delta\chi^2$ = Delta chi-square; Δdf = Delta degrees of freedom.

*** $p < .001$.