Table 3: Single mediator models explaining mathematics performance

Variables	Intervention on mediator			Mediator on outcome			Intervention on outcome			Mediated effect		
	A (β)	*p*	95% CI	B (β)	*p*	95% CI	C′ (β)	*p*	95% CI	AB (SE)	*p*	95% CI
Bootstrapped models (unadjusted for clustering)												
MVPA% in PE	5.64 (.59)	<.001	4.456 to 6.821	-.17 (.02)	.291	-.437 to .095	12.06 (.16)	<.001	7.813 to 16.307	-.96 (.93)	.301	-2.496 to .569
MVPA leisure time %	-.16 (-.03)	.765	-1.206 to .887	0.04 (.00)	.911	-.602 to .675	11.74 (.16)	<.001	6.622 to 16.866	0.01 (.20)	.976	-.392 to .381
Behavioral engagement	-.06 (-.08)	.342	-.191 to .066	-2.75 (-.03)	.193	-6.897 to 1.392	11.78 (.16)	<.001	6.370 to 17.199	.17 (.25)	.497	-.323 to .666
Cognitive engagement	-.03 (-.04)	.684	-.196 to .129	-.43 (-.01)	.819	-4.115 to 3.254	12.01 (.16)	<.001	6.572 to 17.447	.01 (.18)	.934	-.331 to .360
Emotional engagement	-.07 (-.07)	.431	-.256 to .109	-.33 (-.01)	.824	-3.272 to 2.605	12.01 (.16)	<.001	6.587 to 17.423	.02 (.18)	.892	-.330 to .379
Models adjusted for clustering												
MVPA% in PE	5.64 (.59)	<.001	3.417 to 7.860	-.17 (.02)	.272	-.427 to .085	12.06 (.16)	.002	5.725 to 18.395	-.96 (.89)	.281	-2.433 to .506
MVPA leisure time %	-.16 (-.03)	.750	-1.143 to .823	0.04 (.00)	.914	-.625 to .698	11.74 (.16)	<.001	4.413 to 19.075	0.01 (.20)	.925	-.127 to .115
Behavioral engagement	-.06 (.08)	.336	-.189 to .065	-2.75 (-.03)	.170	-6.686 to 1.181	11.78 (.16)	<.001	4.273 to 19.296	.17 (.21)	.420	-.245 to .588
Cognitive engagement	-.03 (-.04)	.656	-.182 to .115	-.43 (-.01)	.827	-4.299 to 3.438	12.01 (.16)	.002	4.489 to 19.53	.01 (.07)	.845	-.131 to .160
Emotional engagement	-.07 (-.07)	.488	-.281 to .134	-.33 (-.01)	.828	-3.352 to 2.684	12.01 (.16)	.002	4.455 to 18.341	.02 (.12)	.835	-.206 to .255

Note. Control and intervention groups were coded '0' and '1' respectively; A = unstandardized regression coefficient for treatment condition predicting mediators at 18-months; B = unstandardized regression coefficient for mediators at 18-months predicting academic performance at 18-months; β = standardized regression coefficient; AB = product-of-coefficients estimate; C′ = unstandardized regression coefficient for treatment condition predicting academic performance at 18-months with adjustment for mediators, otherwise known as the direct effect; SE = standard error, 95% CI = 95% confidence interval for the mediated effect, MVPA % in PE = Percentage of time spent in moderate-to-vigorous physical activity during physical education lessons; MVPA leisure time % = Percentage of leisure time spent in moderate-to-vigorous physical activity.