

“physical activity” OR “physical education” OR exercise OR fitness OR sport	AND	cognition OR executive OR “executive function” OR “ executive function” OR “cognitive control” OR intelligence OR memory OR attention OR metacognition	AND	academic OR “academic achievement” OR “academic grades” OR “academic behaviour” OR “academic performance” OR “classroom behaviour”	AND	“brain development” OR “brain health” OR Neural OR neuroelectric OR neurotrophic OR neurotrophin OR hormone	AND	children OR childhood OR pre-schooler OR schooler OR preadolescent OR adolescent OR adolescence	AND	trial
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Appendix I. Search strategy for MEDLINE database.

Appendix II: Table for extraction data as reported by the authors.

Author and year of publication	Country	N (CG/EG1/EG2)	Age of participants	CG/EG1/EG2 characteristics (min, d/w)	Intervention components	Length (weeks)	Neurocognitive recall

CG: Control Group, EG1: Experimental Group 1, EG2: Experimental Group 2, min: minutes, d/w: days a week.