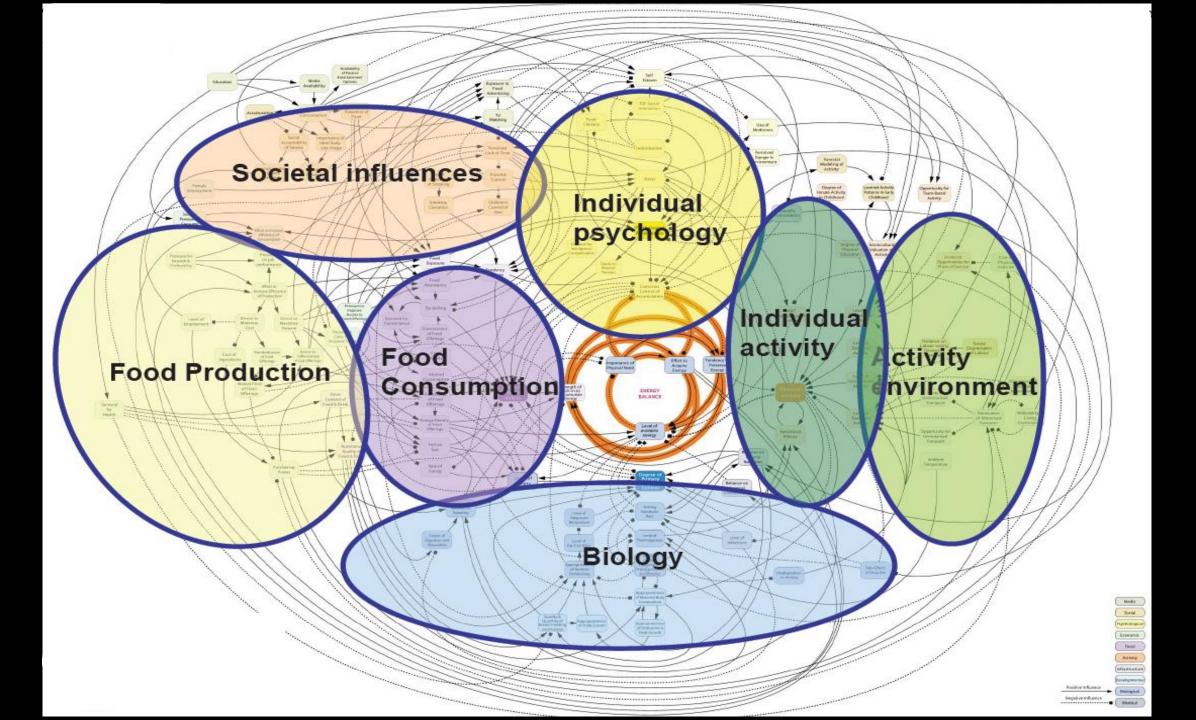
Better Physical Activity

Prof. Jim McKenna Leeds Beckett University



5 WORDS Special responses and universal needs

6 Words When the adults change everything changes

7 WORDS How well do <u>you</u> promote physical activity?

Build 'universal bulldozers' for PA!

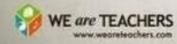


5 WORDS Special responses and universal needs

Born stupid Controls its own development Responds to personal history

"Students who are loved at home, come to school to learn, and students who aren't, come to school to be loved.

~Nicholas A. Ferroni



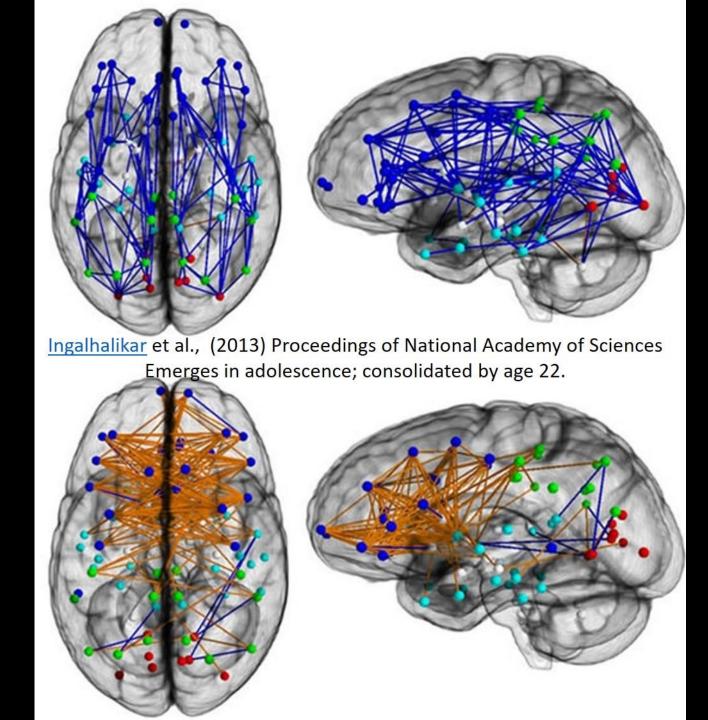


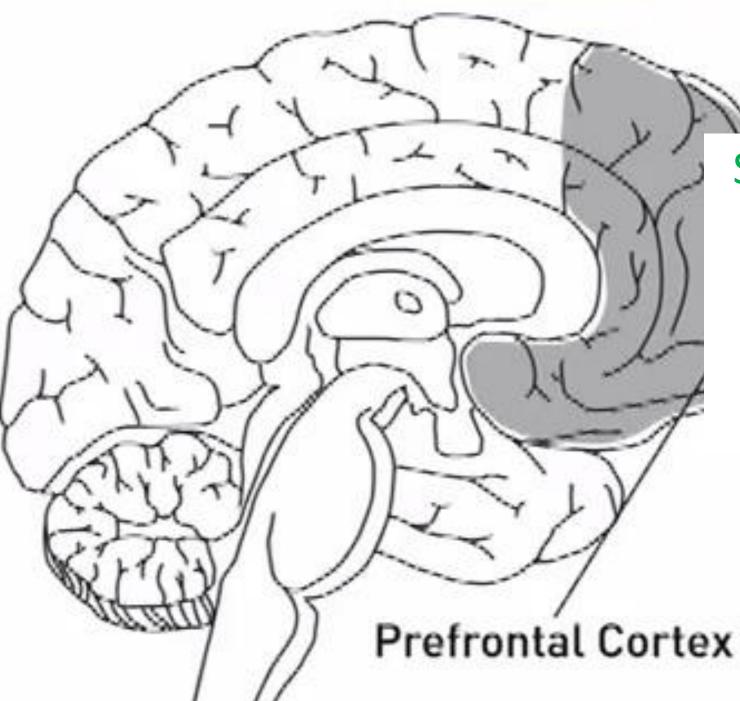
When I was six years old, I had to start wearing eyeglasses. The words I heard then can still haunt me today. Words like:











Understand

Self management

Fear reduction Insight and vision Intuition Morality Response flexibility Social responsiveness *'...Executive function is* the first to suffer when people are stressed, sad, lonely or physically unfit.'



2018 Physical Activity Guidelines Advisory Committee Scientific Report

To the Secretary of Health and Human Services

Strong evidence

Higher PA reduces accumulating adiposity in <u>3</u>-17 year-olds

Improves bone health in <u>3</u>-5 year-olds

Body weight/Adiposity Moderate strength evidence

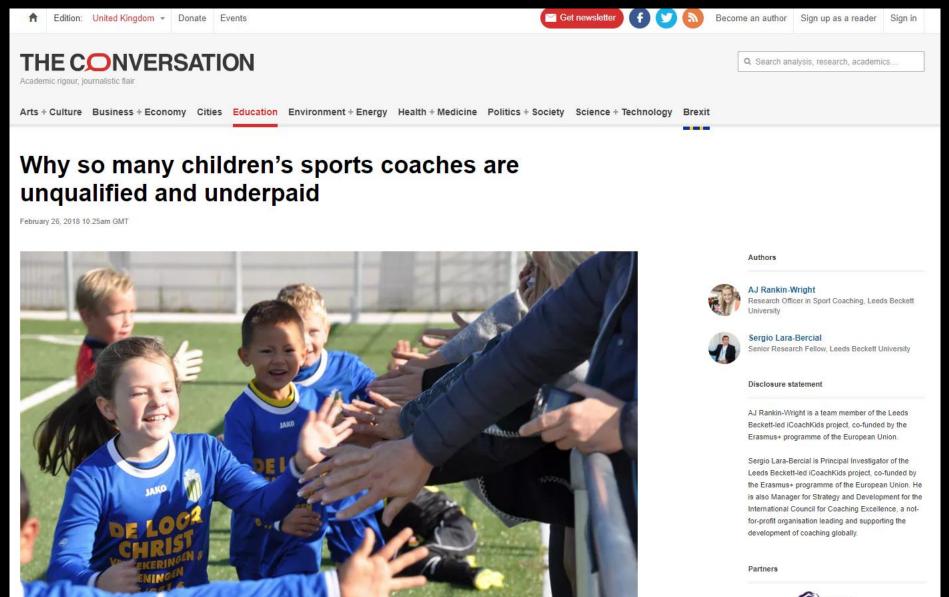
- More PA, reduced weight status
- Unclear dose-response (favours *inverse* volume-adiposity)
- Strongest protective effect: pre-school and youth

6 When the adults change everything changes

Human brain A high resistance system

Human-centred design Build behaviour





eidi Thomas



HOME » NEWS

Research finds whistle being blown on secondary PE

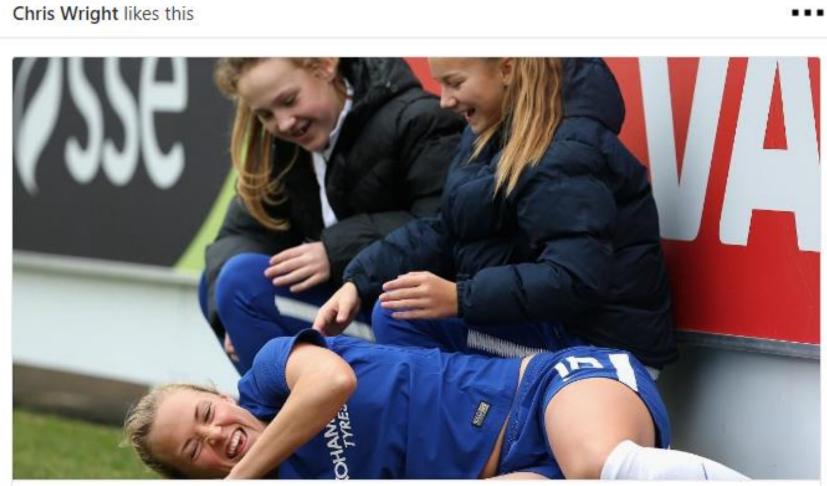
Time on the curriculum for Physical Education is being squeezed, new research from the Youth Sport Trust shows

Published: Friday, February 16, 2018



The alarming findings from research carried out by the Youth Sport Trust (YST) suggests that 38% of English <u>secondary schools</u> have cut timetabled Physical Education for 14-16-year-olds since 2012 while almost one in four (24%) have done so in the last academic year. PE PROVISION IN SECONDARY SCHOOLS 2018 - SURVEY RESEARCH REPORT





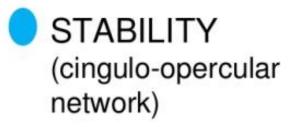
Lack of physical activity among girls leading to poor mental health an... uk.news.yahoo.com

22 Likes · 3 Comments

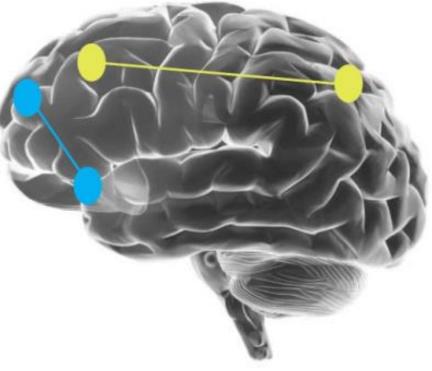
Like 🖾 Comment 🏟 Share C

High-Impact Frontal Networks

ADAPTABILITY (fronto-parietal network)



Chapman SB, Aslan S, et al, Frontiers in Human Neuroscience, 2016.



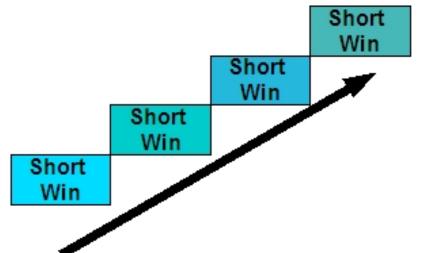


7 WORDS How well do <u>you</u> promote physical activity?



Psychological safety Belonging Physical safety Fun/challenge and play









ntent/bmj/360/bmj.k211.full.pdf www.bmj.com/

Table 4

Public

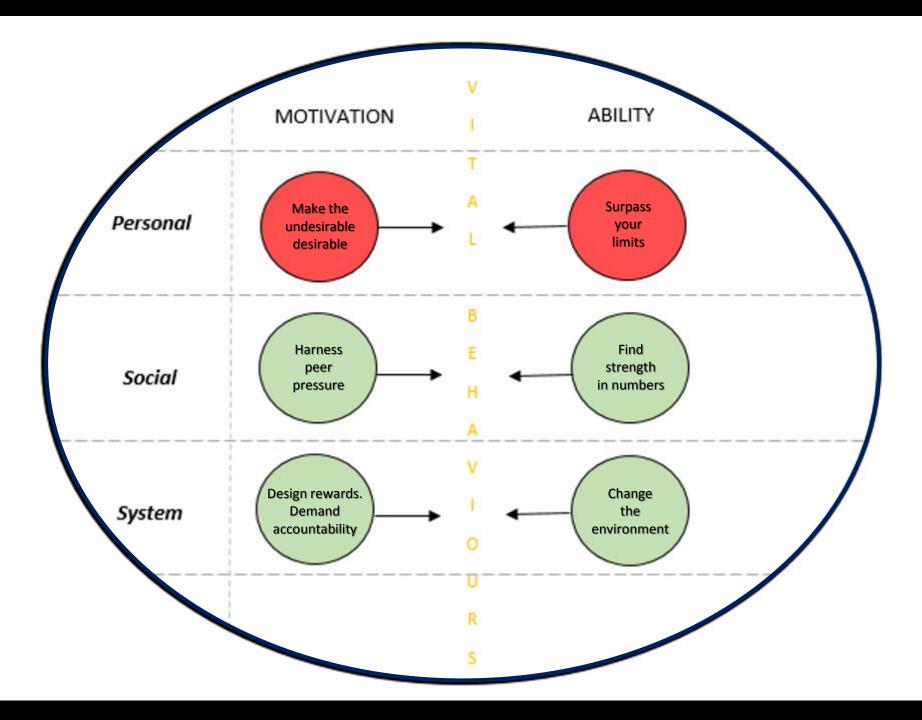
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Fidelity scores for all schools included in the WAVES study intervention

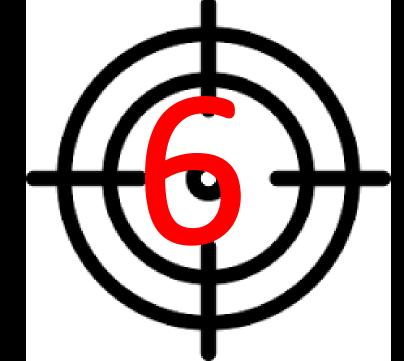
	Physical Activity								ding V 겉	vorks		_	e		/illa V E	nain		_	
	Adherence	Exposure	Recruitment	Quality	Response and engagement	Total	Adherence	Exposure	Recruitment	Quality	Response and engagement	Total	Adherence	Exposure	Recruitment	Quality	Response and engagement	Total	Scho ol total
School 1			4	4		23	4	4	3	5	5	21		5	5	4	5	24	68
School 2	4	4	4	4		21		4	4	5	5	23		5	5	4	5	24	68
School 3	igcup			4	4	23	4	4	4	5	5	22		4	5	4	4	22	67
School 4	4	4	3	4	4	19		5	4	5	5	24		4	4	4	4	21	64
School 5	3	3	3	3	4	16	4	4	4	5	5	22		5	5	4	5	24	62
School 6	4	4	3	4	4	19		4	4	4	4	21		4	4	4	4	21	61
School 7	4	4	4	4	4	20		4	5	4	5	23	4	3	3	4	3	17	60
School 8	3	3	3			19	4	3	4	5	4	20		4	4	4	4	21	60
School 9	4	3	2	3	3	15		5	4	5	4	23		5	4	3	3	20	58
School 10	4	4	4	3	4	19	4	3	3	5	3	18		4	4	4	4	21	58
School 11	3	3	4	3	4	17	4	4	4	4	4	20	4	4	4	4	4	20	57
School 12	4	4	3	3	3	17	4	3	3	4	5	19	•	4	4	4	4	21	57
School 13	2	2	3	3		15	4	4	4	4	4	20	4	4	4	4	4	20	55
School 14	4	4	3	4	4	19	3	3	3	3	4	16	3	3	4	4	5	19	54
School 15	4	4	3	3	3	17	3	4	3	4	5	19		3	3	3	3	17	53
School 16	3	3	3	4	4	17	2	2	3	4	4	15		4	4	3	4	20	52
School 17	3	3	3	4	4	17	3	3	3	4	3	16	4	4	3	4	3	18	51
School 18	3	3	4	4	4	18	2	2	2	3	3	12		5	4	4	3	21	51
School 19	2	2	3	3	4	14	4	4	3	3	3	17		5	4	3	3	20	51
School 20	4	4	3	4	3	18	3	3	2	4	5	17	3	3	3	4	3	16	51
School 21	3	3	3	4	4	17	3	3	2	3	4	15	4	3	3	4	3	17	49
School 22	2	2	3	4	3	14	3	2	2	3	3	13	3	3	3	3	3	15	42
School 23	0	0	0	0	0	0	4	4	3	4	4	19	4	4	4	4	4	20	39
School 24	0	0	0	0	0	0	2	2	2	4	4	14	4	4	4	4	5	21	35



Scores: 1: very low. 2: low. 3: average. 4: high. 5: very high. Implementation rating: low medium high









Special responses and universal needs When the adults change everything changes How well do you promote physical activity?