PHIT2LEARN

Feasibility and acceptability of "sit to stand desks" in the VET setting





OUTLINE

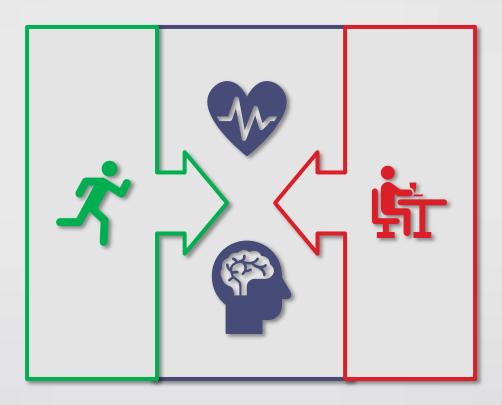


- Introduction
- Method
- Results
- Discussion & Conclusion



SEDENTARY BEHAVIOUR AND ITS RISKS







SEDENTARY BEHAVIOUR BENEFITS





- Increase in selective attention
- Improvement of cognitive functioning
- Less lapses of attention
- Perceived effect on attention and focus





- energy expenditure increased
- Significant reduction in musculoskeletal discomfort



- Less depressive symptoms and psychological distress
- reduction of 60 minutes significantly improved mental wellbeing

SIT TO STAND DESKS











- Enjoyed standing desks
- In favour of standing desks
- Decreased restlessness
- Increased attention

- No research has been done in the VET setting
- 80% unhealthy sedentary lifestyle
- Generalization is not sufficient
- Used rotating system



RESEARCH QUESTION



What is the feasibility and acceptability of implementing "sit to stand desks" in classrooms with VET students.



METHODS



2 classes selected

- Information session
- Classrooms equiped

First week

- No motivaion from teachers
- Students did not use the desks

Second and third week

 Students were actively motivated

Focus group interviews

- 33 students
- 6 focus groups



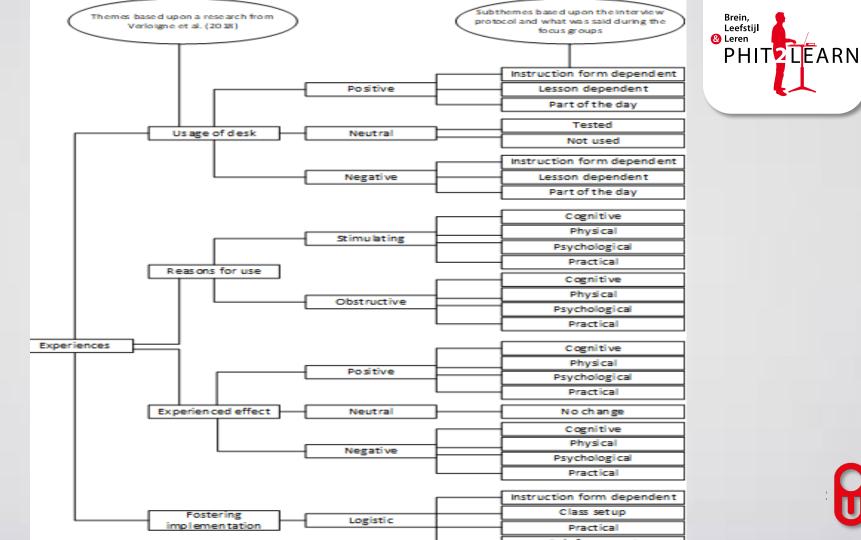
METHODS



Focus group interviews

- 1. Usage of the standing option of the "sit to stand desks"
 - Do students use the standing option, and what triggered them to use or not use it?
- 2. Reasons for using the "sit to stand desks"
 - Can students think of reasons why they would or would not use a standing desks?
- 3. Experienced effect
 - What do students notice when using the standing option of the "sit to stand desks"?
- **4.** Fostering future "sit to stand desks" usage
 What do students need to use the standing option of the desks in the future?







The usage of the "sit to stand desk" "Because mandate							y during my	
	Instruction form dependent	Motivating and giving instruction	to stand				utch class sentation"	
Positive	Lesson dependent	Standing behind the "sit to stand	desks" is p	ractical for so	or some lessons			
	Part of the day	Not applicable	"Everybody had to stand according to					
Neutral	Tested	The upright position is tested	the te	the teacher, but some just really did				
	Not used at all	Not used the upright position	not want to"			"With algebra it woul not be possible, I		
	Instruction form dependent	Instructions gave a counterproductive response, not standing			•	think"		
Negative	Lesson dependent	Mentioned once, not practical during a specific lesson		ific lesson	"But at half pas eight I		eight I really	
	Part of the day	Too early to stand in class			do not want to stand"			



St	imulating and	obstructive reasons for using standing desks "Because you show more on task behaviour"
Stimulating	Cognitive	Increase of alertness and on task behaviour "Maybe it is better for our posture and our back"
	Physical	Improvement of body position/posture "For presenting" It is nice that you have some
	Psychological	Increase of feelings of autonomy and safety it is nicer, I kind of freedom"
	Practically	Promoting communication and presentation think" "Because I do not want to
Obstructive	Cognitive	Distracting other students. "you will probably get a hollow or arching back, or you stand on
	Physical	Discomfort in muscles and joints, tiring one leg" "So, maybe we are too insecure to stand"
	Psychological	Scared of being the centre of attention, and not conforming to peer norms
	Practically	Blocking the view to the front of the class "You could stand in somebody's sight"





Experienced effect of using the standing desk "You could put it a bit higher, causing you to sit up straight, I liked								
	Cognitive	Not applicable		that. I had less back pain"	-	st nice to		
Positive	Physical	Adjusting the height for a comfort	able posture v	while seated	stand every once in a while"			
	Psychological	Nice feeling				"I liked t	hat yo	ou can
	Practical	Being able to adjust the height of t	the desk		adjust it in height"		right"	
Neutral	No change	No difference noticed between a standing or seated lesson "It is d			distro	acting"		
	Cognitive	Loss of focus and concentration	"Because my	y legs hurt, and my feet hurt"	1			
Negative	Physical	Disconnoits like nurting feet and legs		-	stand, but then the whole class			
	Psychological	Started looking like, oh the table is going Lack of conforming with the group norm and fear of being the centre of attention				ng up		
	Practical Unstructured messy classrooms and unstable not well-designed sit-to-stand desks.							
		"And then I stood and the table w	as very much	wobbling back and forth the	whole		1	М

time while typing, so I quickly sat down again"



	Fostering implementation "I think teachers should motivate us more to use the desks"				
Instruction form dependent	Need support from teachers in the form of instructions. This could be either with a specific part of a lesson (i.e. when course material was explained), or just a few minutes at a specific point in time (i.e. beginning, middle or end of a lesson).				
Class setup	(i.e. u-formation vs traditional setup, putting standing desks in the back). All desks should be in standing position upon arriv "Maybe another setup, as X said, tables in the back for students who want to				
Practical	Desks should be easy to use, feel stable and sturdy. stand, and the students who want to sit in the front" "Yes, they have to become more robust"				
Reinforcement	Compensation for standing up in class by having shorter lessons. "Get a price for our tiredness"				



DISCUSSION & CONCLUSSION















QUESTIONS OR SUGGESTIONS





