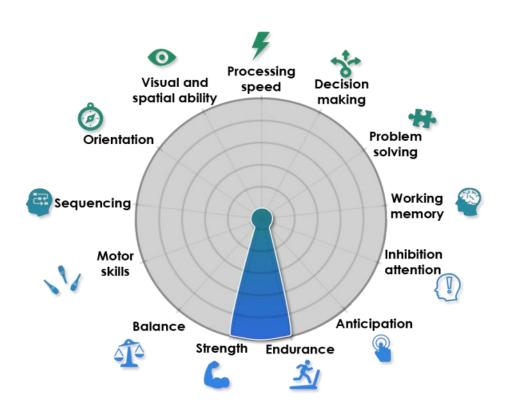
Abilities needed for the games

	ABILITIES	DEFINITION
	Short Term Memory (Working Memory)	The capacity to hold and manipulate information "on-line" in real time.
	Visual and Spatial Ability	Ability to process incoming visual stimuli, to understand spatial relationship between objects, and to visualize images and scenarios
	Processing speed	The ability to minimize the time cycle of a repeated movement.
	Motor Skills	Ability to mobilize our muscles and bodies, and ability to manipulate objects.
COGNITIVE	Inhibition / Attention	The ability to withstand distraction, and internal urges / Ability to sustain concentration on a particular object, action, or thought, and ability to manage competing demands in our environment.
1900	Orientation	Processing of spatial, temporal, and social relations relies on mental cognitive maps, on which the behaving self is oriented relative to different places, events, and people.
	Anticipation	Prediction based on pattern recognition.
	Problem solving	Defining the problem in the right way to then generate solutions and pick the right one.
	Decision Making	The ability to make decisions based on problem-solving, on incomplete information and on emotions (ours and others').
	Sequencing	The ability to break down complex actions into manageable units and prioritize them in the right order.
_	Strength	The ability of a muscular unit, or combination of muscular units, to apply force.
PHYSICAL	Endurance (Muscular fatigue)	A state of exhaustion or loss of strength and/or muscle endurance following strenuous activity associated with the accumulation of lactic acid in muscles.
<u> </u>	Balance	The ability to control the placement of the bodies center of gravity in relation to its support base.

Force Analyzer



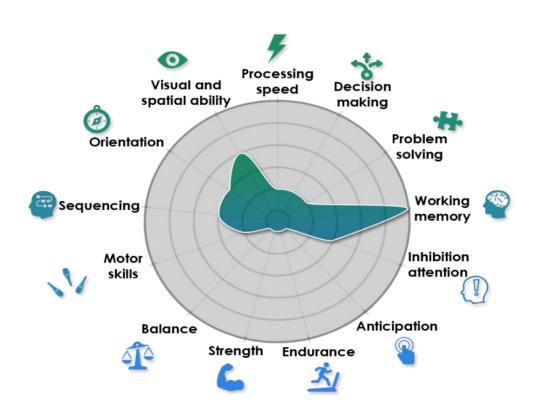
Force Analizer



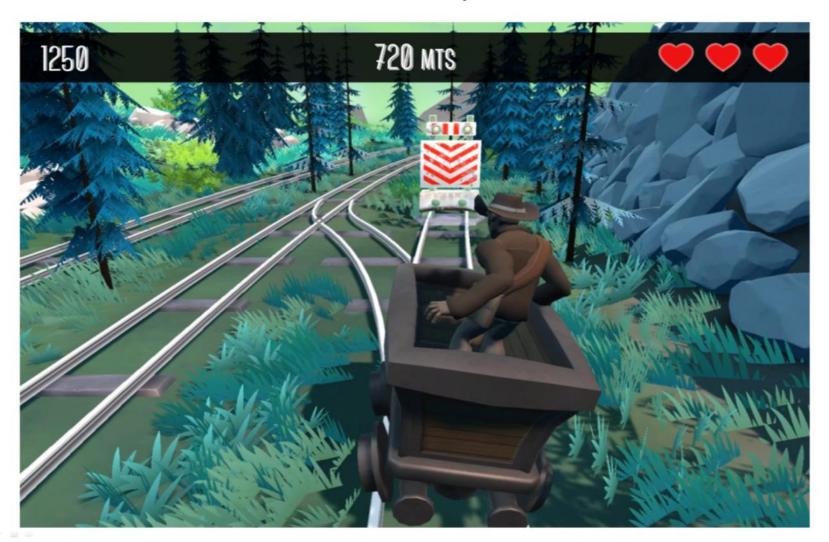
Memory



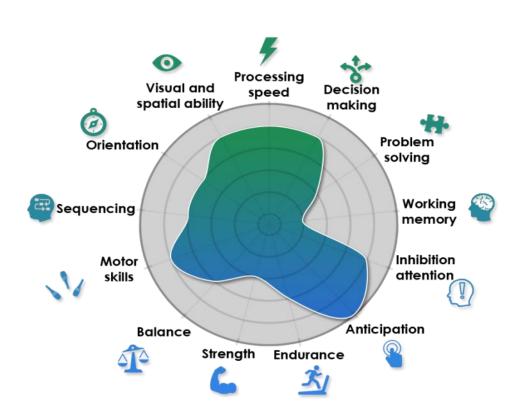
Memory



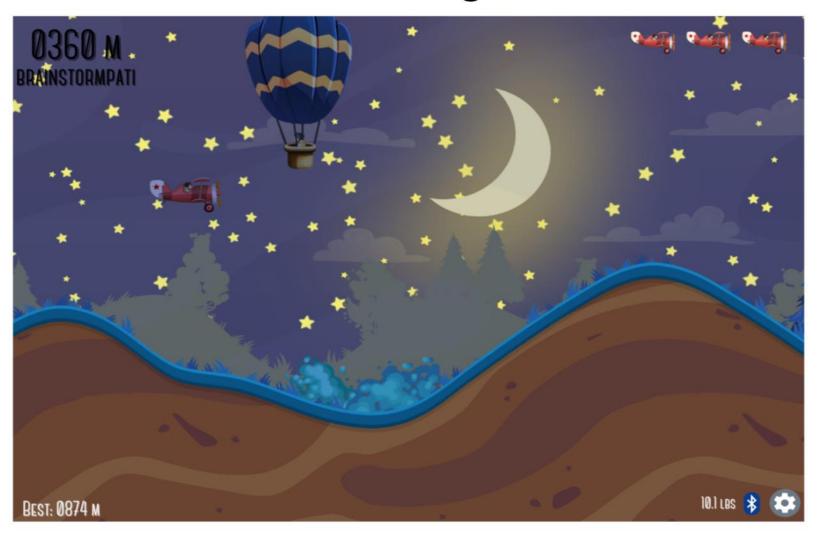
Railway



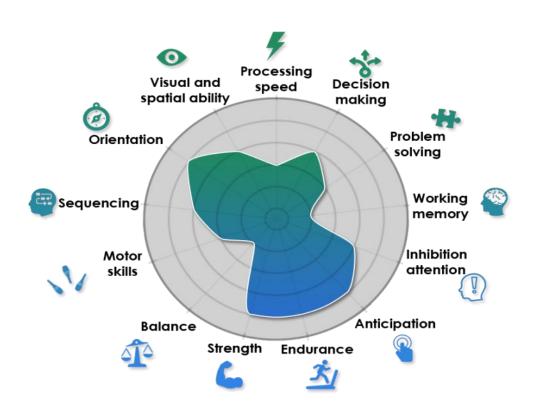
RailWay



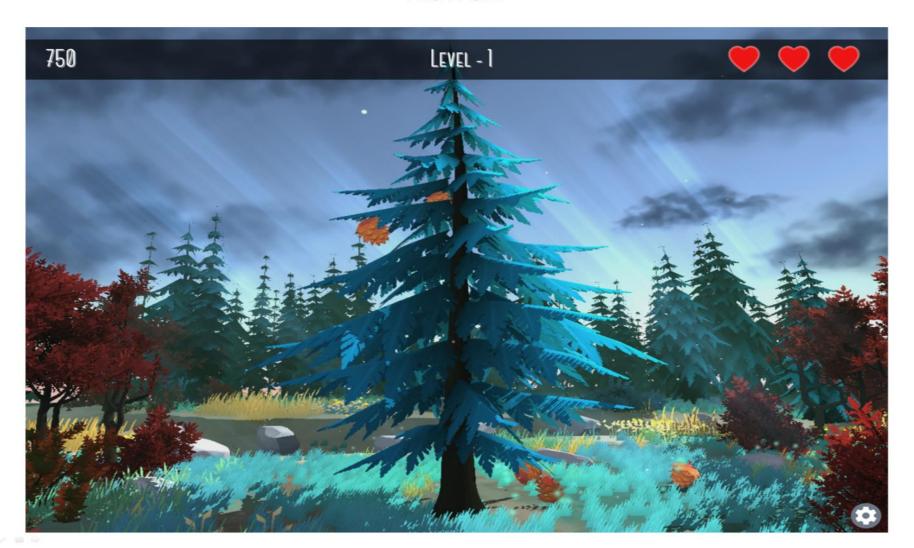
Red Wings



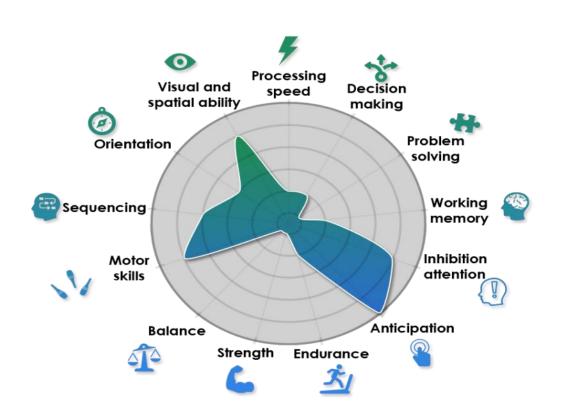
RedWings



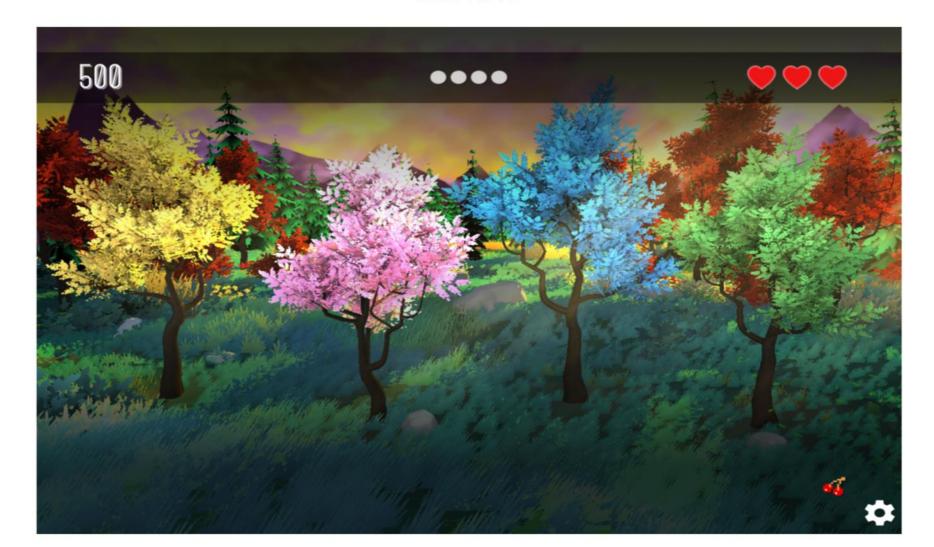
Reflex



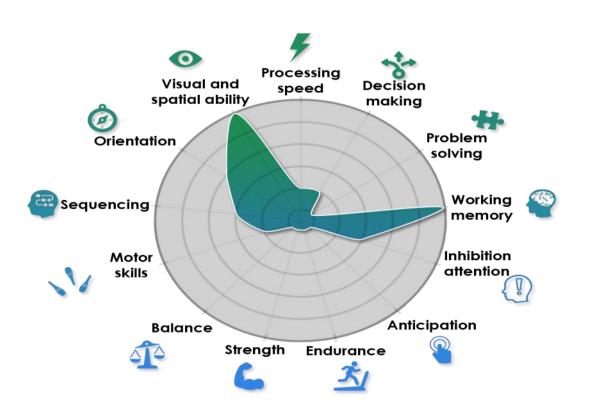
Reflex



Simon



Simon

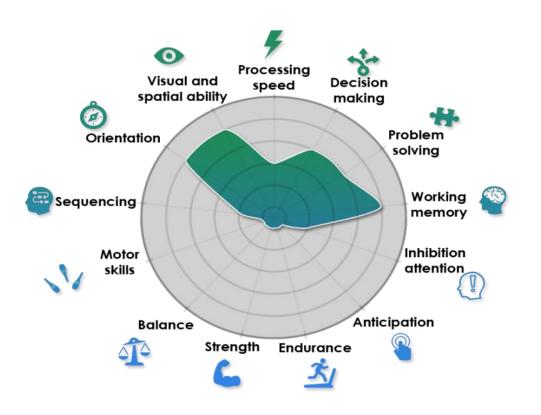


Virtual supermarket

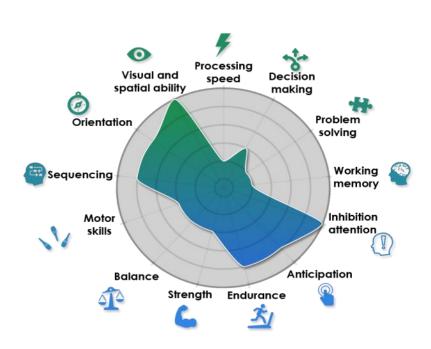


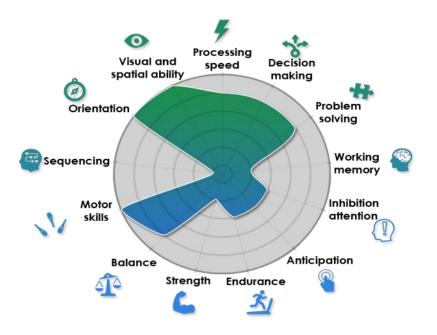
Μπορείτε να προσθέσετε ένα προϊόν στο καλάθι σας, κάνοντας κλικ στο αντίστοιχο κουμπί "πρόσθεση" του κάθε προϊόντος. Μπορείτε να αφαιρέσετε ένα προϊόν επιλέγοντας το από την λίστα του καλαθιού σας. Ακολουθείστε τα βήματα για να κινηθείτε στον χώρο.

Virtual Supermarket

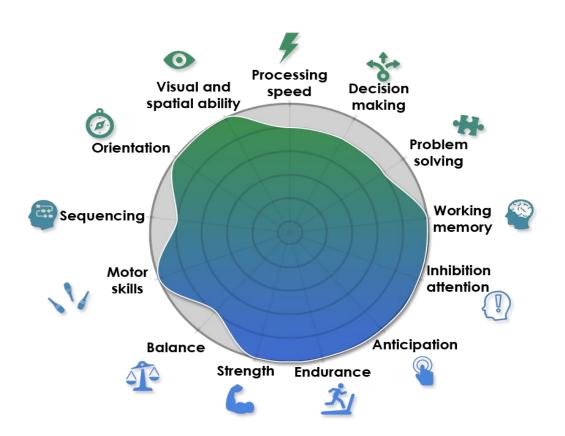


Floating Archery / Gravity Ball





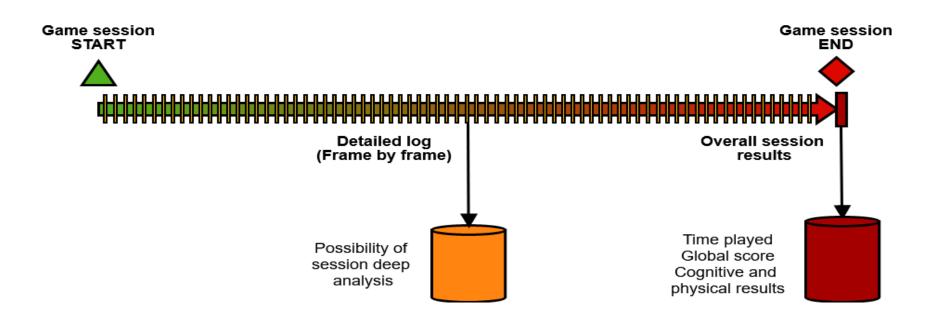
Global



Games / Abilities

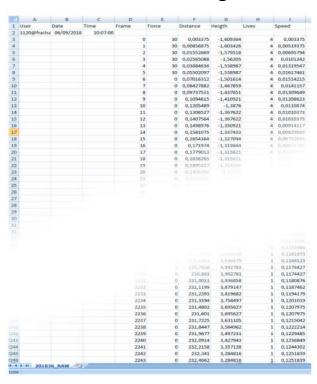
			PHYSICAL ABILITIES										
SET OF GAMES	Working Memory	Visual and Spatial Ability	Processing speed	Motor Skills	Inhibition / Attention	Orientation	Anticipation	Problem-solving	Decision Making	Sequencing	Strength	Endurance (Muscular fatigue)	Balance
FORCE ANALYZER											✓	✓	
RED WINGS							✓	✓	✓		✓	✓	
RAIL WAY				✓			✓						✓
SIMON	✓	✓	✓		✓					✓			
MEMORY	✓		✓		✓								
REFLEX		✓		✓			✓		✓	✓			
VIRTUAL SUPERMARKET						✓		✓	✓				
GRAVITY BALL		✓		✓				✓	✓				
FLOATING ARCHERY TARGET		✓		✓			✓		✓	✓			

Data recording system



Session Logs

Detailed session log



Overall session scores

User	Date	Time	Duration	MaxForce	Score	Endurance	
3120@frailsa	06/09/2018	10:07:00	37,4	30	232	636	
3120@frailsa	06/09/2018	10:07:32	26,8	30	129	280,5	

Dynamic adaptability

			Force Analyzer		RedWings		Simon		Memory			RailWay		Reflex		VPM Health data		
			Anal		RedV		M, S			Men		ui-a	Mali	g*a	2		VP Healt	
		Maximum force	Endurance	Maximum distance	Mean distance	Maximum force	Maximum sequence length	Mean sequence length	Last level solved	Last pair number solved	Mean hit percent	Mean distance reached	Mean score	Mean reaction time	Hit count	Mean BPM when walking	Mean HR when walking	Maximum strength
S	Maximum required force	х	х			х										х	х	x
RedWings	Plane speed													х				
ᇹ	Number of obstacles			х	х									х				
~	Starting point			х	х													
_	Sequence speed													х				
Simon	Starting level						х	х			х							
S	Number of trees							х										
Мето	Starting stones number							х		х	х							
ĕ.	Maximum allowed moves								х		х							
RailWay	Wagon speed											х	х	х				
	Number of obstacles											х	х	х				
	Number of coins											х	х	х				
Reflex	Pineapple disappear delay													х	х			
	Next pineapple time delta													х	х			

Memory Stone Number(%) = + 30% Simon Mean Sequence Length

+ **50%** Last game hits

+ 20% Mean game hits