

SYNAPSEWEAR



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What?

Wearable

Programmable gloves that activate the cognitive process, increasing neuroplasticity through a game

Seeking to combine **physical movement** with meaningful **mental processing**.

The main idea is for it to be an object that generates beneficial brain connections in the person who use it increasing neuroplasticity, psychomotor skills, and stimulation of the cerebral cortex.



Why?

Who?

A yellow line graphic that starts from the left edge of the slide, moves horizontally to the right, then angles upwards to the right, and finally continues horizontally to the right, ending with a small yellow circle.

Youngs
Youngs - adults
(12 - 25)

Analog cases





1 TikTok Watch more [Watch now](#)

@wta ✓
 Attention players: a new game is about to begin 🇺🇸 #WTA #WTALinz #ReactionGame
 🎵 original sound - WTA

Interaction kinesthetic and visual, since the person identify which stick dropped and proceeds to catch it, all in seconds.

The cognitive functions that it involves are:

- Gnosis
- Selective attention
- Processing speed
- Dual exestuation



n TikTok Watch more [Watch now](#)

@activategamesmanufacture
 Fast press button reaction game faster be faster.#reactiongame #buttong ...See more
 🎵 Fire in Your Eyes - Jai Nova

The interaction is kinesthetic, and visual. First identifying the one that light up, then pressing.

The cognitive functions that it involves are:

- Gnosis
- Selective attention
- Processing speed

bop it!



- Processing speed
- Sustained attention

Stroop test

blue	white	yellow	blue	red
green	yellow	blue	green	black
yellow	red	blue	green	yellow
red	yellow	red	white	green
blue	green	red	yellow	black
blue	black	blue	black	white
black	yellow	white	blue	green
red	black	red	yellow	green
red	yellow	blue	white	blue
red	yellow	blue	yellow	green

- Selective attention
- Stimulus-response conflict management
- Inhibition

Fabulous Fred / Simon



- Processing speed
- Sustained attention
- Memory

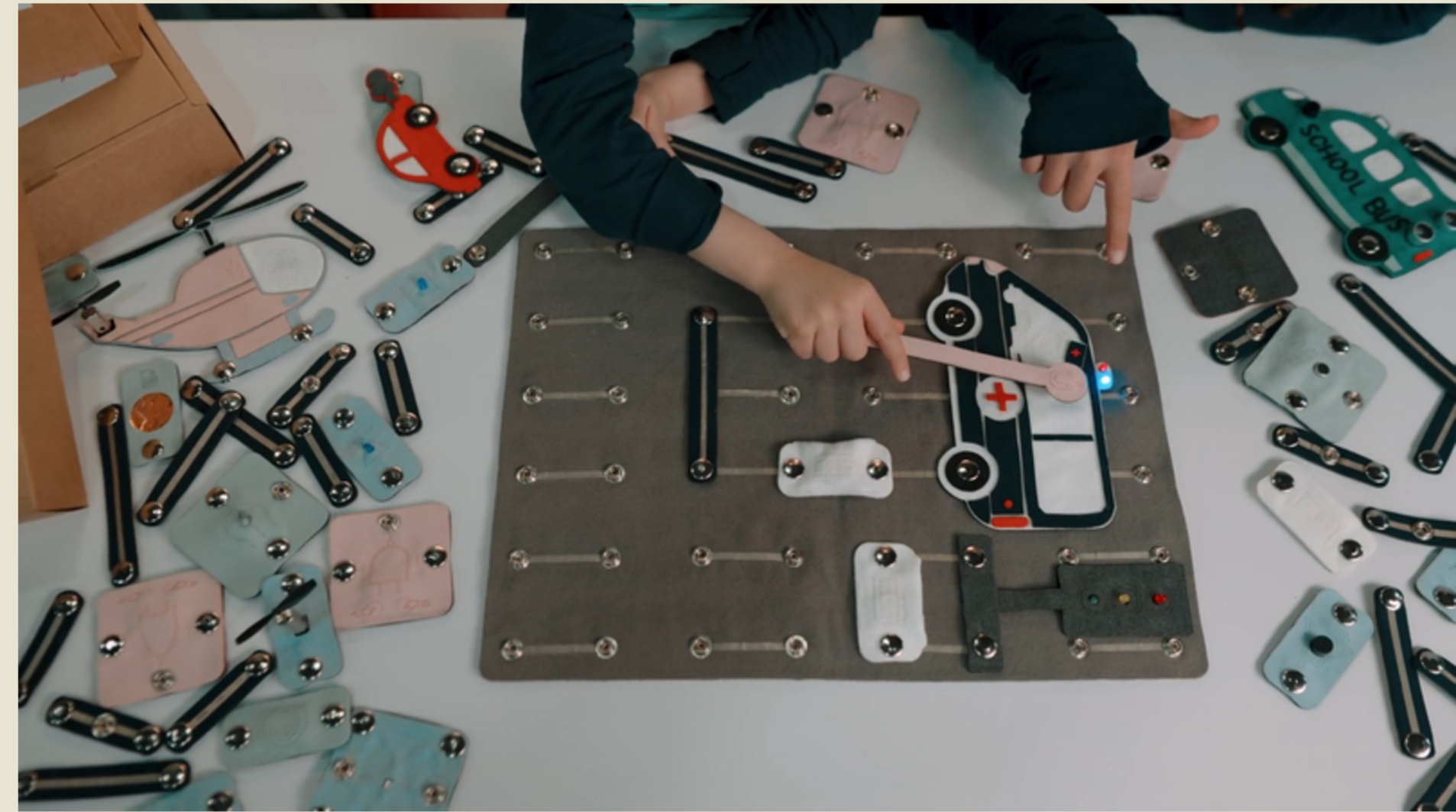
"SIMON SAYS"

- Listening skills
- Selective attention
- Processing speed

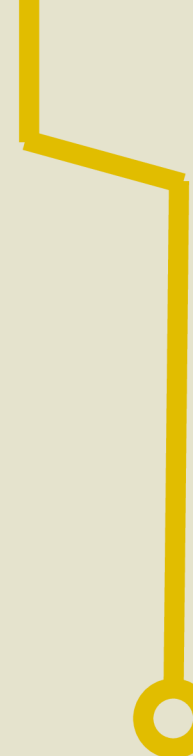
Ieva Marija Dautartaitė
Sensation map
Fabricademy 2023-2024



Naim Al-Haj Ali
Iktishaf
Fabricademy 2024-2025



How?



E-Textiles
Wearables

Interaction:

Kinesthetic: pressing or touching

Instructions:

Colors (visual)

Lights (neo pixels)

WORKSHOP

EXTRA

- Materials
- Files
- Code
- Assembly process
 - Physical form
 - Electronics
- Electrical components specs
 - Pre-fabricated
 - Printed circuit board (PCB)