

Welcome!

Feel free to come up to the front, check out the tools and materials for hacking, and share some of your hack ideas.

Seating Hacks: Tips, Tricks and Techniques for Therapists with Limited Funding, Equipment and Time

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Access Community Therapists



“Necessity is the mother of invention”

Plato



“With a little bit of imagination, anything is possible.” *MacGyver*

Why do we hack?

Limited funding

Limited time

Client specific needs

?

Bring all the things



Hack Categories

Assessment

Fitting and positioning

Pressure redistribution

Materials

Hack Categories

Tools

Safety

Aesthetics

Accessories

The assessment process

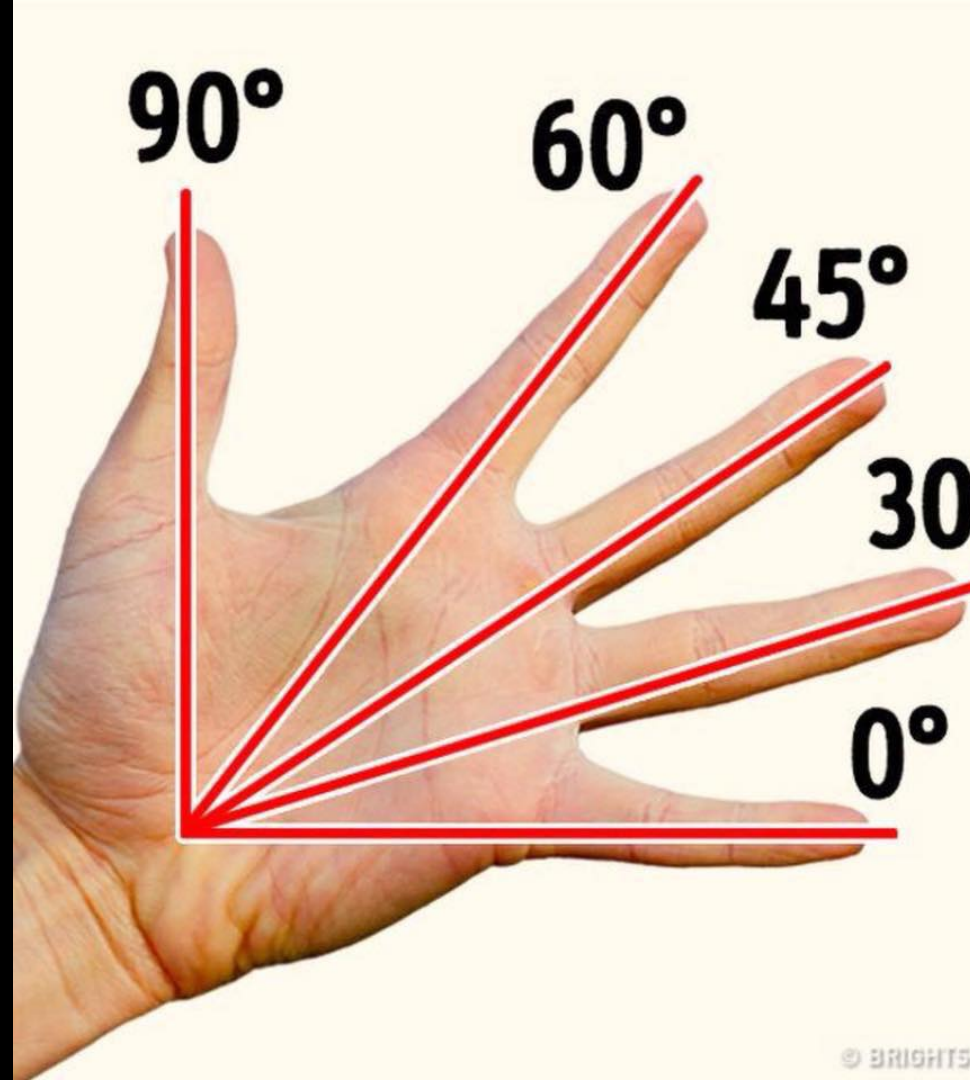




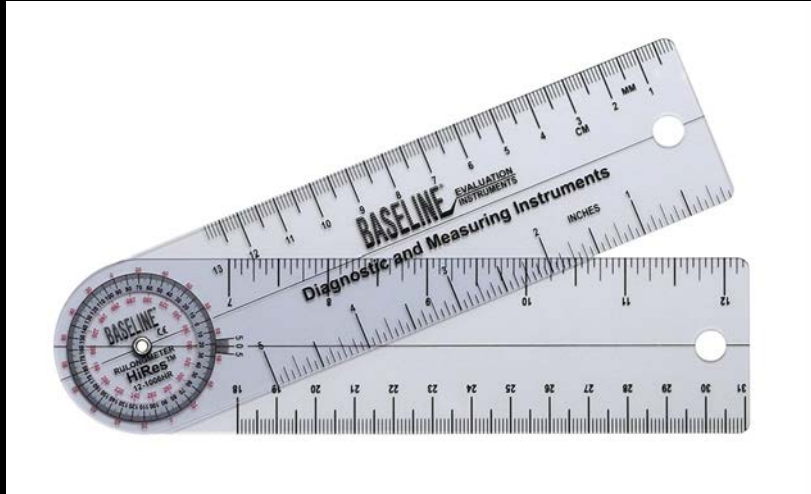
Less can be more!



Physical Assessment Hacks



More angle measurement tools



Clinometer app



Photo Protractor app

Start	4.984Deg	0.087Rad
Angle	100.794Deg	1.759Rad

Paint sticks for measurement



Simulating sacral and lumbar support



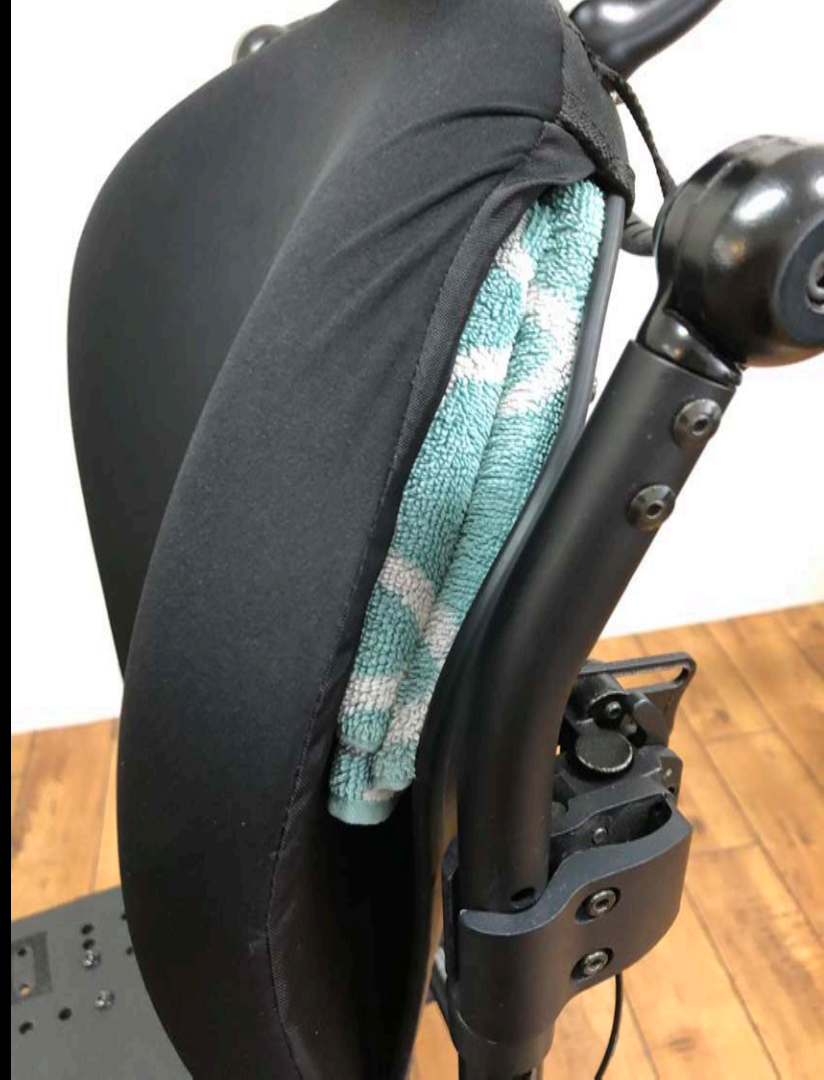
Portable tables for assessment



Levelling blocks simulating lateral tilt or dump



Fitting & Positioning Hacks



Obliquity pads and ischial wedges



Cushion carving



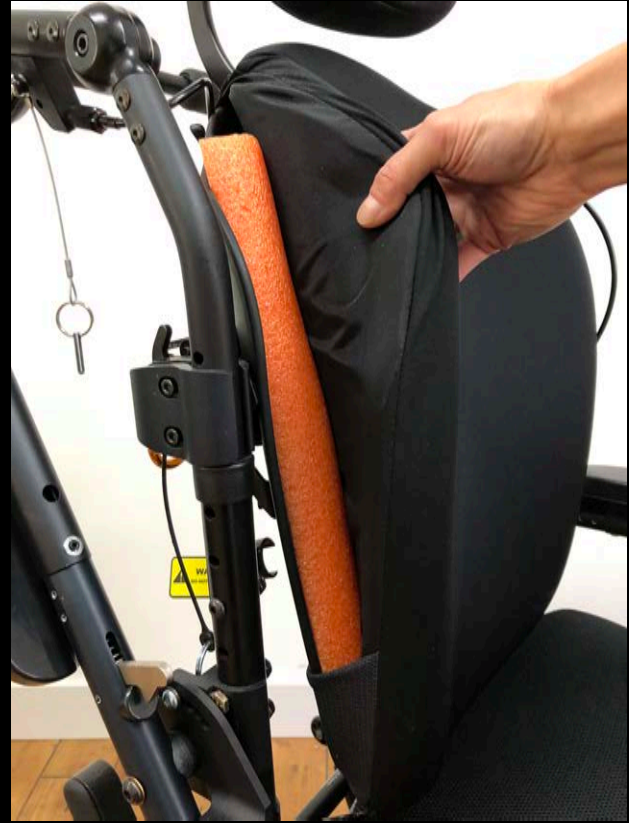
Cushion carving

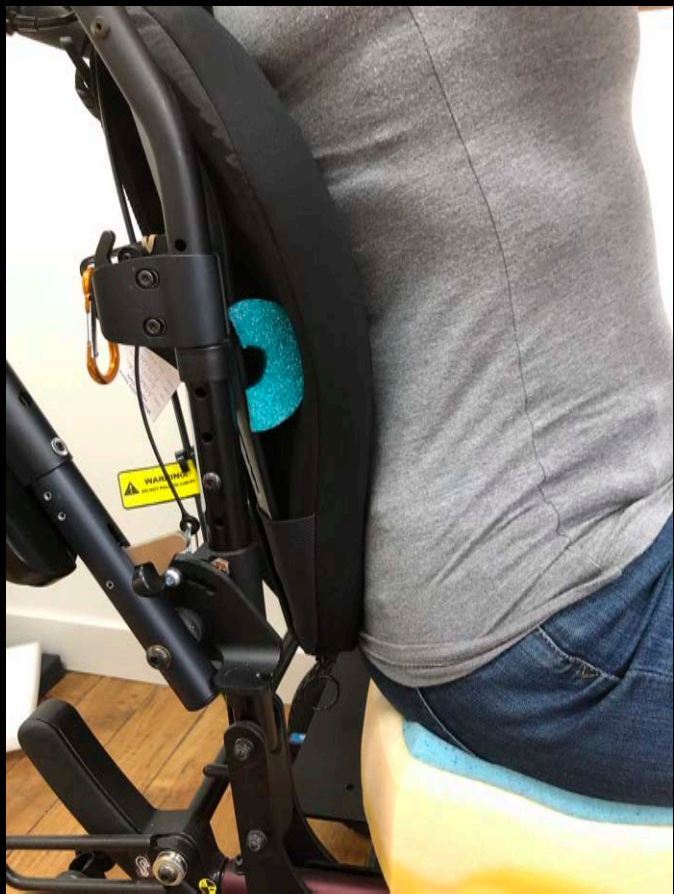


Cushion carving



Oodles of noodles





Footrest hanger padding



Dysphagia headrest pad



Fixed angle footrest wedge



If the shoe doesn't fit... cut it!



Yoga blocks



Bodypoint universal strap



Metallic sharpies



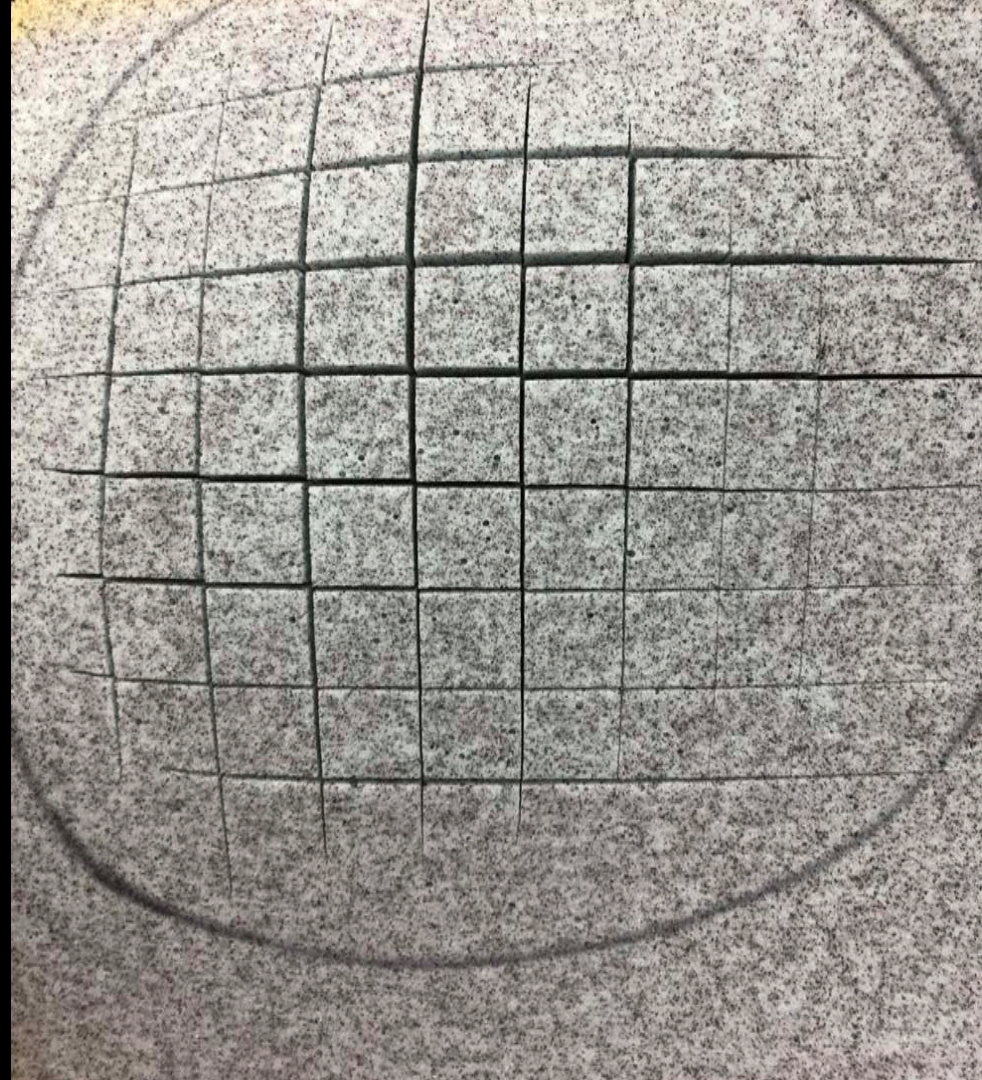
Apps for positioning

The screenshot displays the 'permobil' app interface. At the top, there is a blue header with the 'permobil' logo and a hamburger menu icon. Below the header, there are two tabs: 'Info' (selected) and 'Statistics'. The main content area shows three posture metrics, each with a circular icon and a numerical value:

	Tilt	19°
	Recline	96°
	Legrest	97°

At the bottom of the screen, there is a section for 'Next exercise:' with a clock icon, followed by the text 'No reminder' and 'No reminder'. A blue 'Login' button is located at the very bottom.

Pressure Hacks



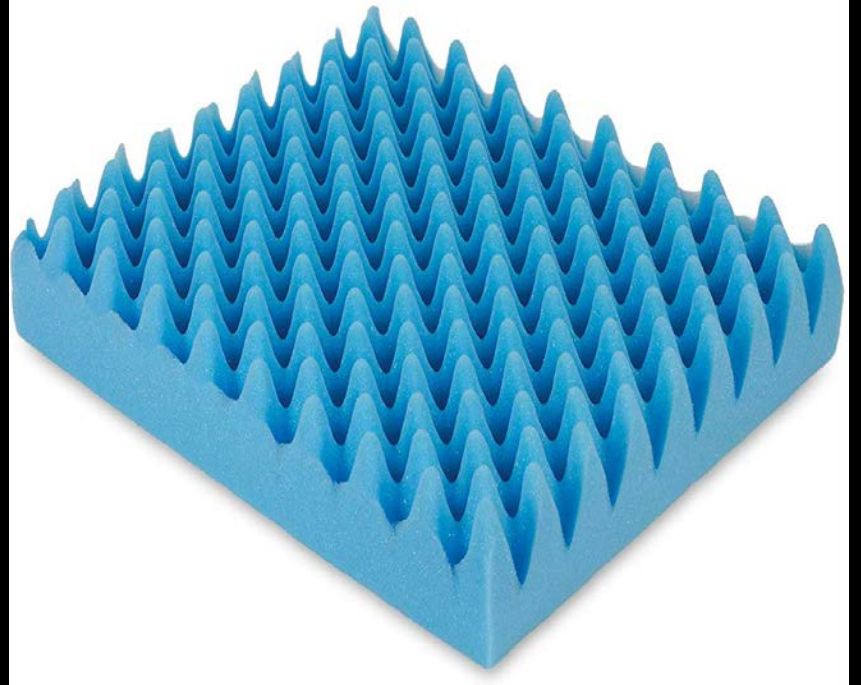
Partial offloading under Roho or gel



Lipstick test



Egg crate foam



PROJIMO layered and molded cardboard offloading cushion



Polyethelene deli gloves for checking pressure under bony prominences



Garbage bag incontinence cover



Tools for Hacking



Tools for getting into tight spaces



Foam cutting tools



Firm foam carving tools



Lubricants (not solvents!)



Magnetic tools



Materials for Hacking

Foam, foam and more foam!



Pipe insulation and pool noodles



Tapes



Im

InstaMorph

The logo for Sugru, featuring the word "Sugru" in a white, cursive font inside a red oval shape.

MOULDABLE GLUE



More Sugru



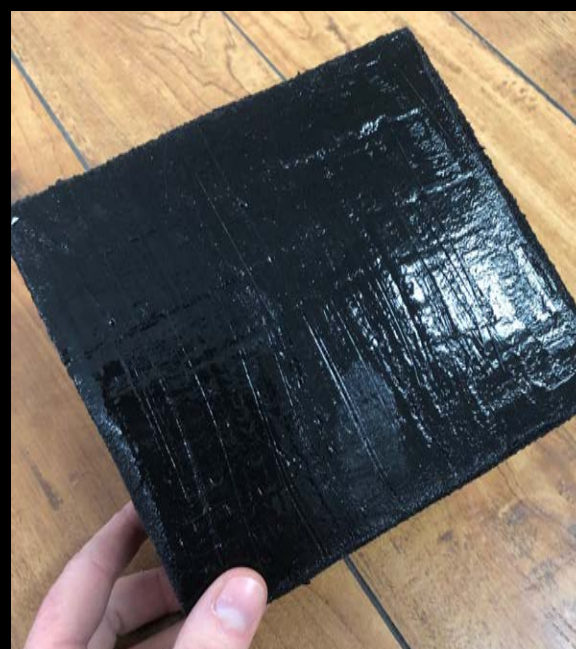
"her customized wheelchair controller gives her better grip, control, and reduces fatigue."



Plastidip



Silicone waterproofing



Aquaseal for patching Roho



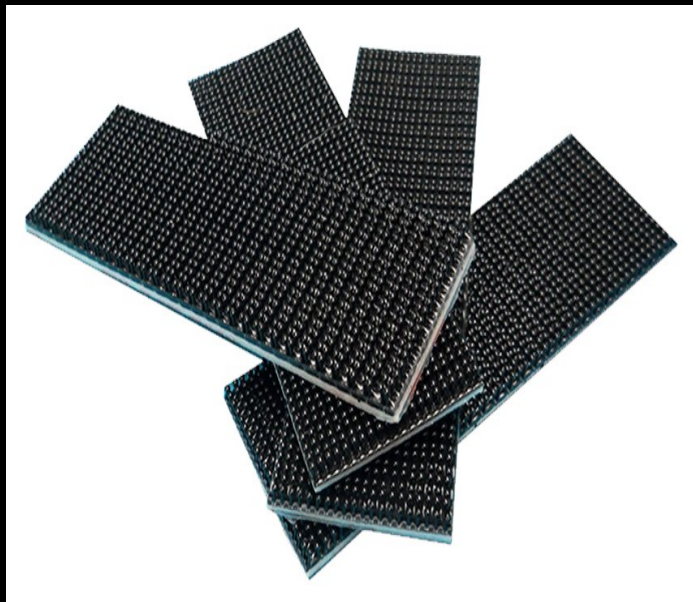
Adhesives



Fasteners – hook and loop



More Velcro



Alternate positioning with Velcro



Reusable ties



Ladder locks – O is open, C is closed



Threadlocker and locking washers



Safety Hacks

NATURAL LIGHT



WITH FLASH

Reflective spoke covers and tape



Reflective accessories



Bicycle lights



Electric bicycle horns



Lego wheelchair ramps



Aesthetics Hacks





*Pimp My
Wheelchair*

Personalized joystick toppers



3D printed joysticks



Satin shower cap headrest cover



BedazzleLit LED wheelchair light kit



Crochet wheel accents



Izzy Wheels spoke guard wheel covers



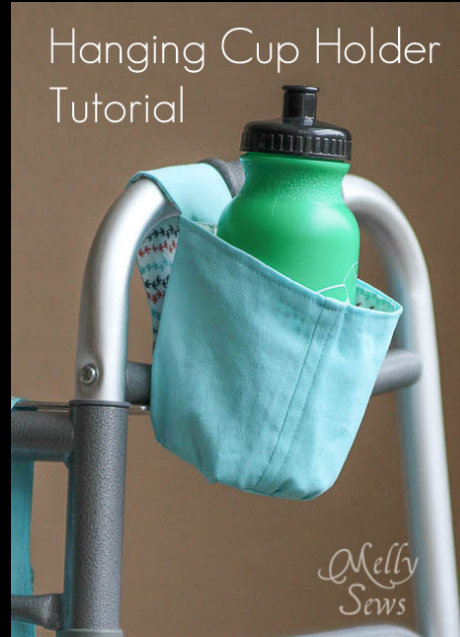
Add-on Hacks



Magnetic pommel phone mount



Cup holders



Motorcycle bags



Bicycle panniers



Diaper bags and stroller hooks



Carabiners



Hooks



3D printed Freewheel mount



3D printed phone mount adapter for joystick



Bicycle, motorcycle, boat and golf accessories



Universal attachment post for drum



A wheelchair built for two



Care-e-on attendant board



DIY jogger chair with baby seat

DIY power assist



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Thank you

Clients, families, caregivers, therapists and technicians



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