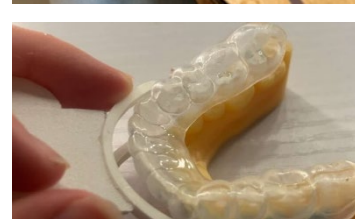
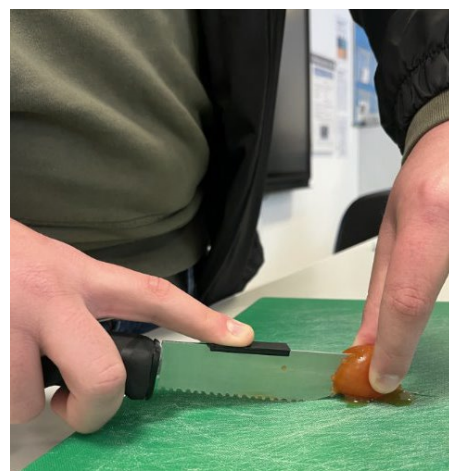
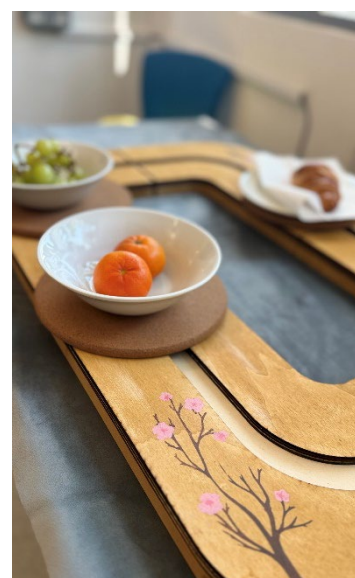


# Design & Technology GCSE Projects 2024 - 2025





**Paddington Academy**  
The best in everyone™

Part of United Learning



## **To our very first GCSE D&T cohort,**

What a journey it's been! It's been an absolute pleasure working with you, guiding you through challenges, and watching you grow into creative problem-solvers. From your first sketch to your final prototype, you've shown resilience, imagination, and a real spark of innovation.

We've shared countless memories in the workshop – from the smell of sawdust to the sound of last-minute adjustments – and we hope those moments stay with you for years to come.

We hope you're able to take on board everything you've learnt and apply it to whatever you decide to do next in life. The skills you've gained – in thinking differently, working practically, and solving problems with purpose – will serve you well wherever your path leads.

You've set the standard for all future cohorts, and we couldn't be prouder. Wherever life takes you next, keep building boldly and never stop creating.

With pride and gratitude,

The D&T Department

## **D&T Department**

Miss MacDonald

Miss Sluce

Miss Jefferson

Miss Mahmood



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# SafeWave

Abbas Mohsen

A portable laptop bag that reduces EMF radiation and heat exposure.



**SAFEWAVE** 

# Dungaree

Aboody Ahmed

A playful safety solution for young children handling scissors



# VisiAlert

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Adam Kaboutt

A fire alarm specifically for the hearing impaired that uses clear and strong visual alerts instead of sound



# Pedal Anchor

Adam Ismail

A magnetic medal release to improve the safety of cyclists



# Hook-Grate

Ahmed Eltom

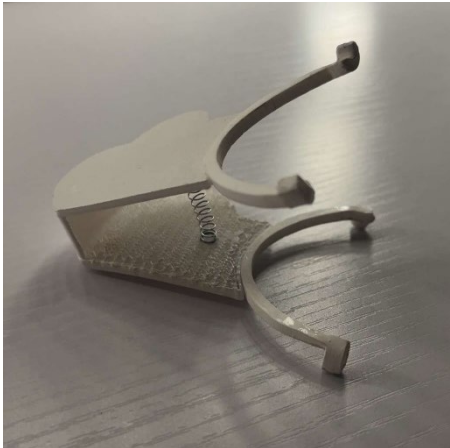
An easy-to-use grater for users with arthritis



# Quick Remove

Aimee Bloomfield

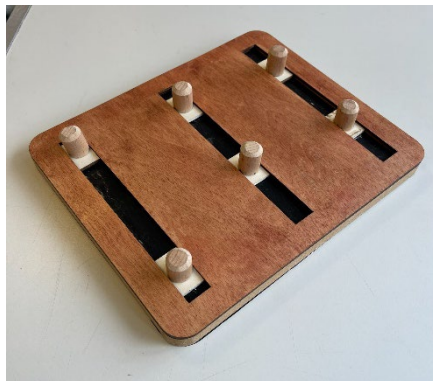
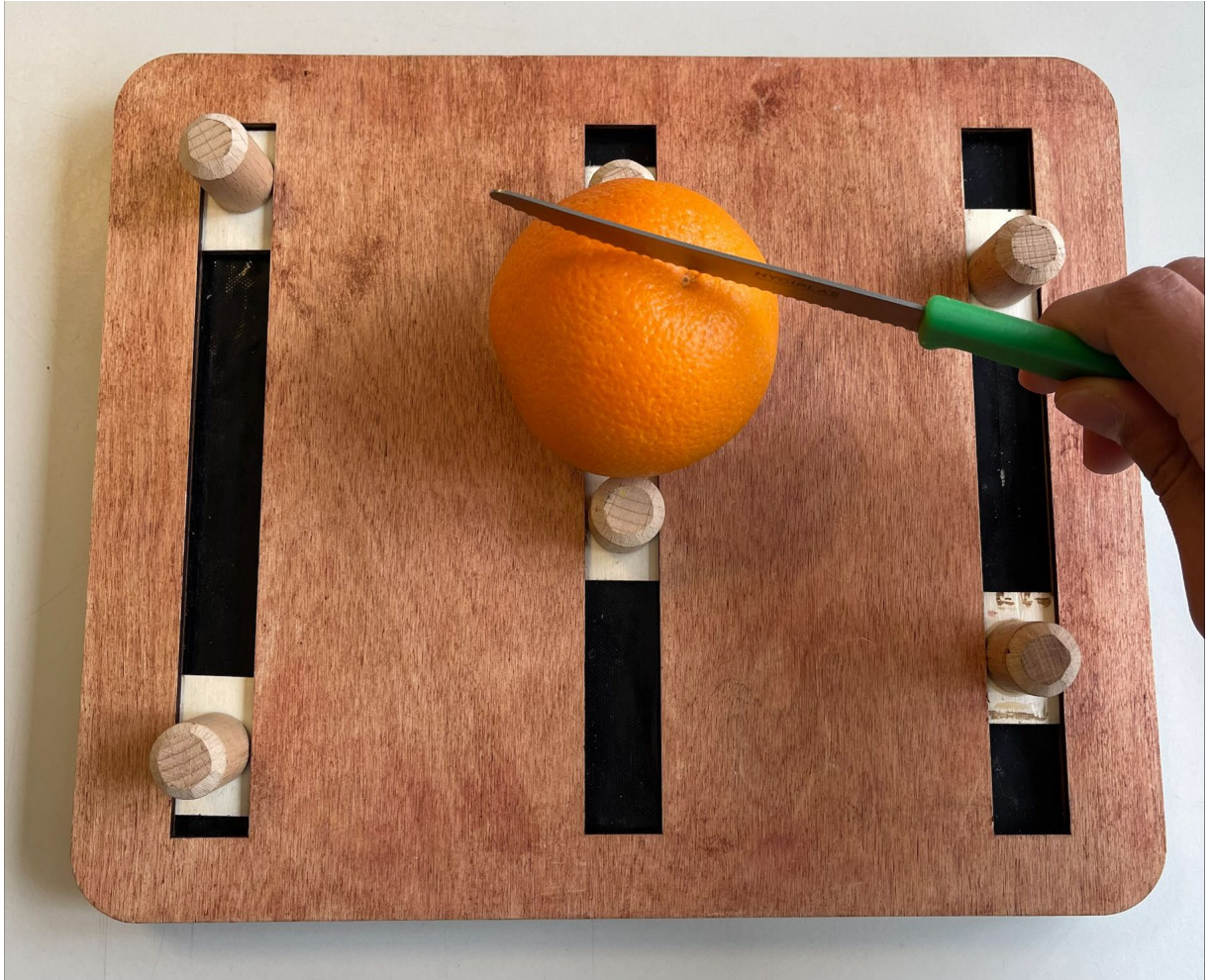
A comfortable solution for quick removal of dental retainers



# GuideSlice

Ameen Ahmad

A chopping board for visually impaired users to hold down items when cutting

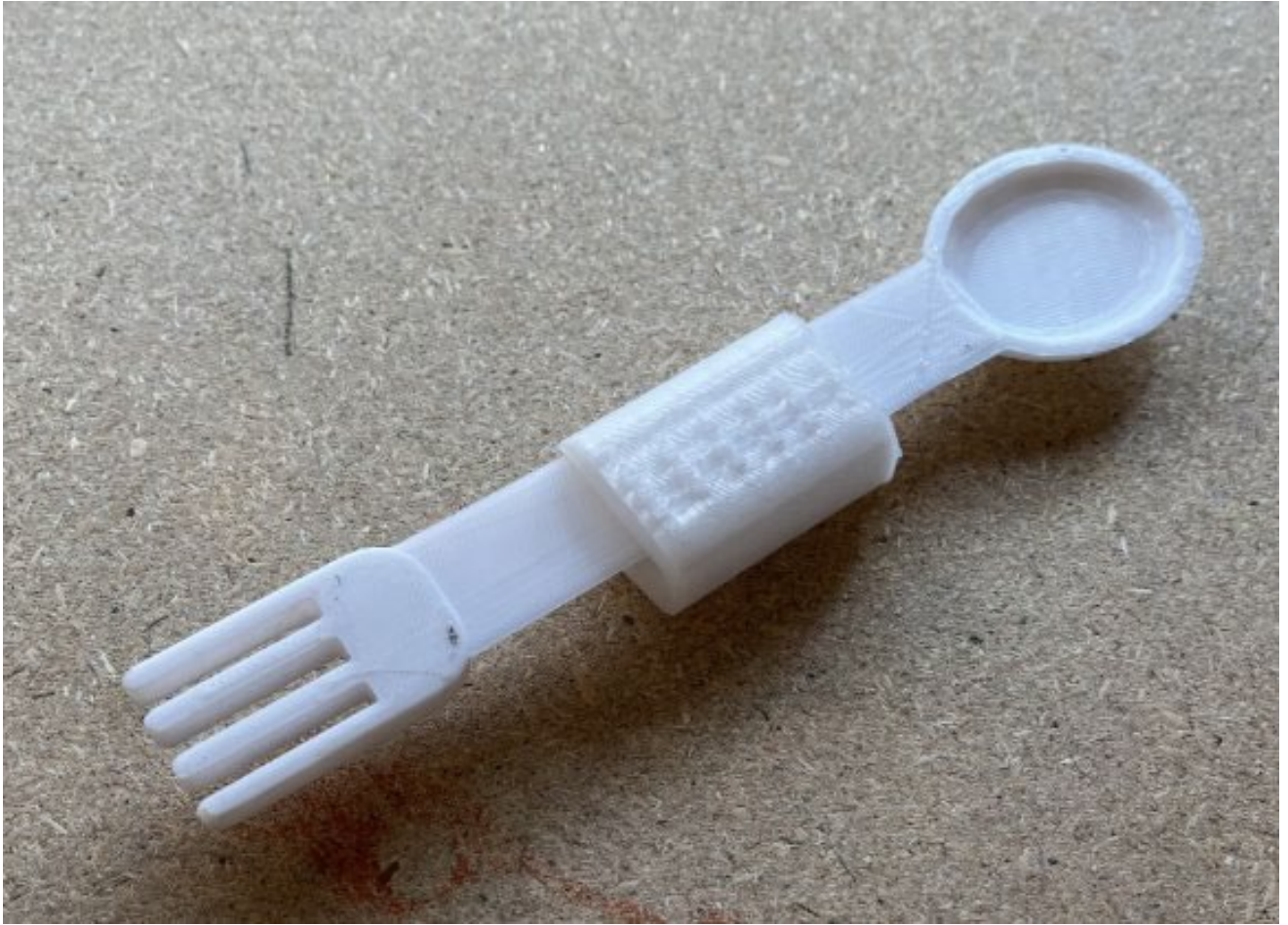


# Comfort Spork

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Anas Layachi

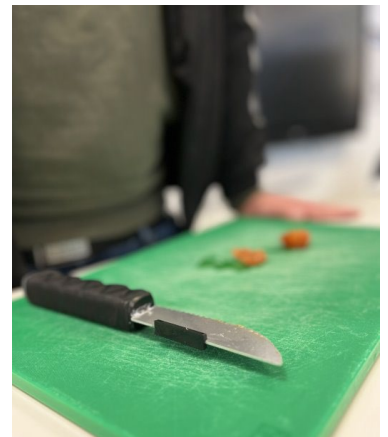
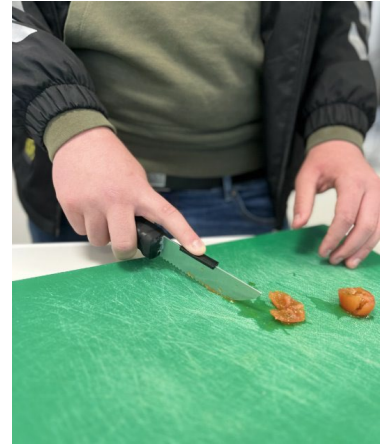
A comfortable spork with grip for users with arthritis



# Perfection Cuts

Bader Mirza

An ergonomic kitchen knife for arthritis users



# GripEase

Danya Majeed

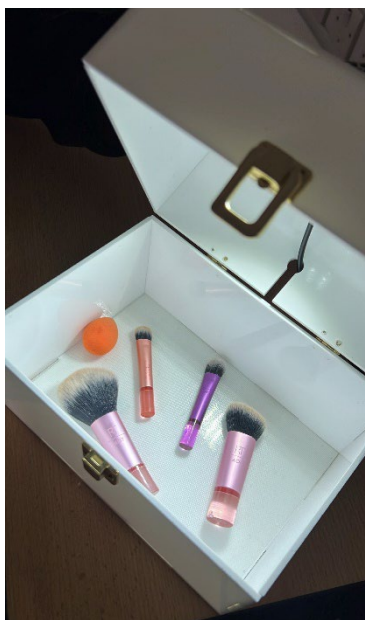
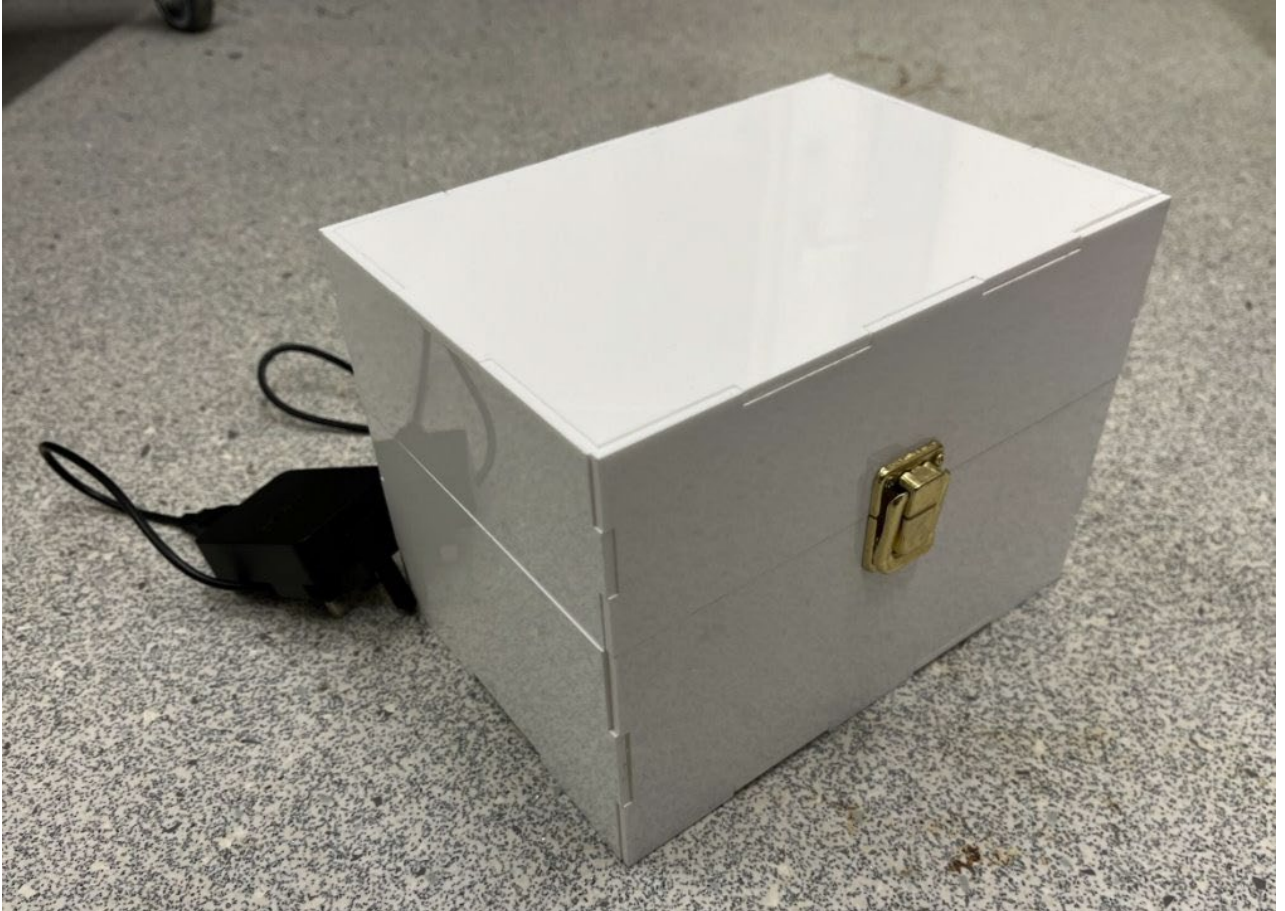
An ergonomic foldable kitchen knife for users with arthritis



# UV Clean

Elaf Ahmed

UV Light Box to clean and store makeup brushes

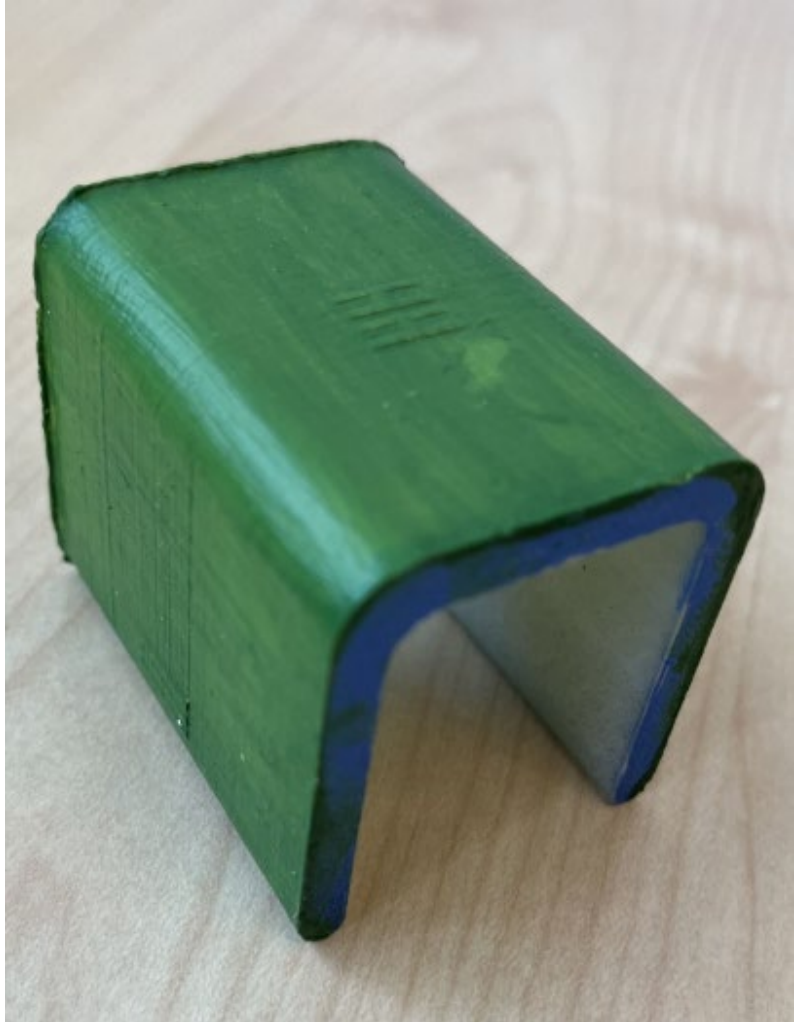
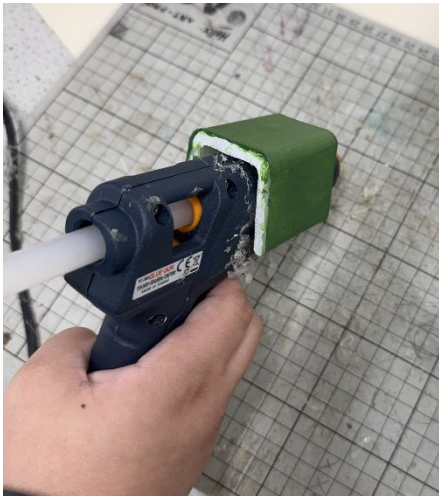


# Heat Hue

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Hamza Hassan

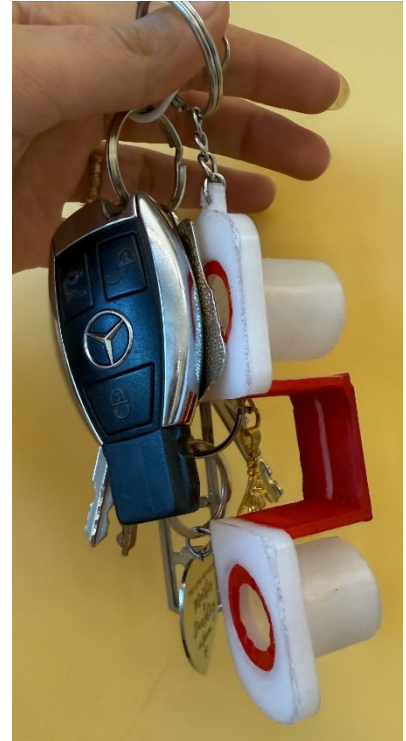
A thermochromic colour-changing glue gun attachment created to improve safety for young D&T students



# EasyKey

Hoda Merhi

An ergonomic key attachment to assist users with arthritis



# Ride Shield

Imran Arbab

A safe e-bike battery cover



# Aqua Safe

Malak Idris

M I PRODUCTIONS 

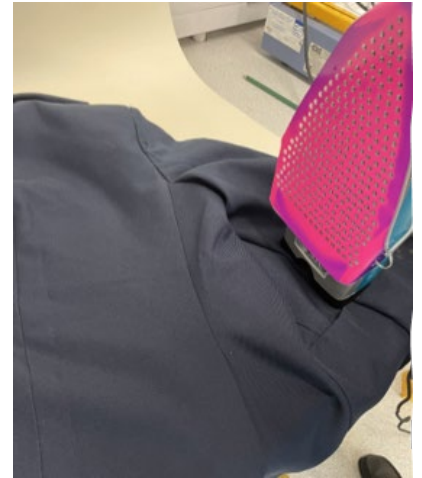
A thermochromic colour changing bath mat for children's safety



# Radiant Heat

Owais Hamidi

A thermochromic colour changing iron cover to visually indicate hot surface for improved safety



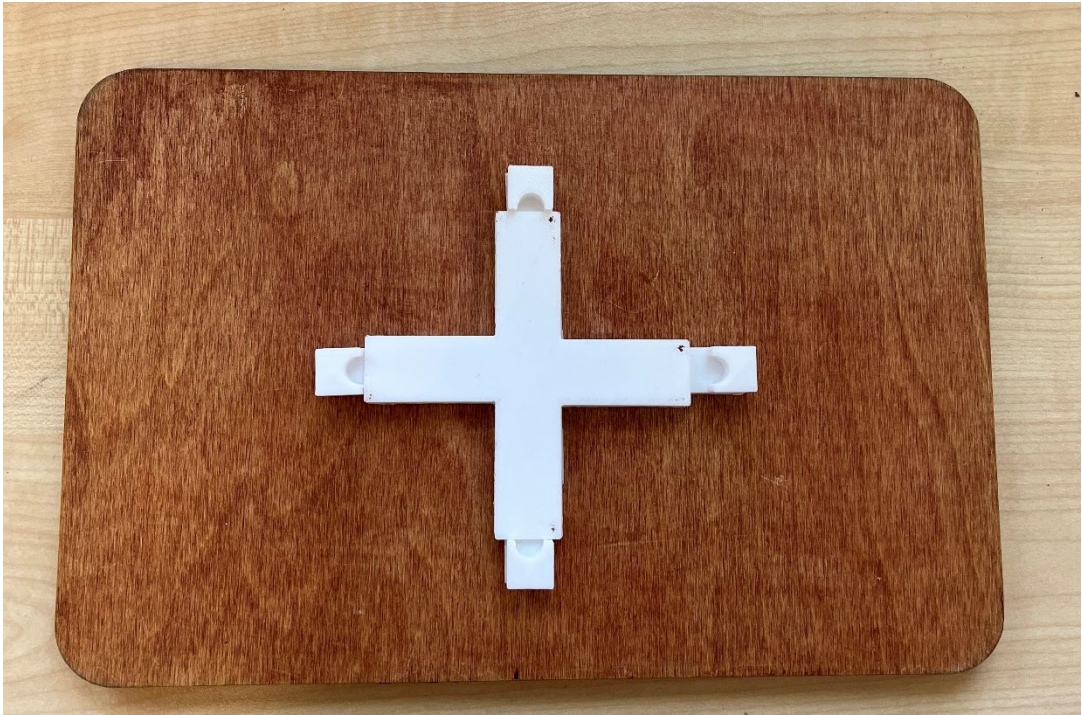
**RADIANT  
HEAT**

# Slider Chopping Board

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Salim Amrouni

A kitchen solution for users with arthritis



# Water Pills

Salma Ahmed

A water bottle with built-in storage to help users medicate on the go



# HeatMat

---

Shahad Ali

A thermochromic colour changing heat mat to visually indicate hot hair styling devices for improved safety



# Port A Play

Youssef Soufan

A safe and foldable play mat for children with ADHD



# Vectra

Yusuf Ismail

An interactive sensory board for autistic children to teach them about outdoor safety and routines



# Portable Purity

Zakariya Temmam

A portable abluton solution for muslims who need to make abluton on the go, specifically for campers



Portable Purity™

# Multi-functional Knife

Adam Elmasry

A multi-functional knife with a sharpener that becomes part of the handle to avoid injuries caused by blunt knife blades



# Travel Bath

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Amina Jami

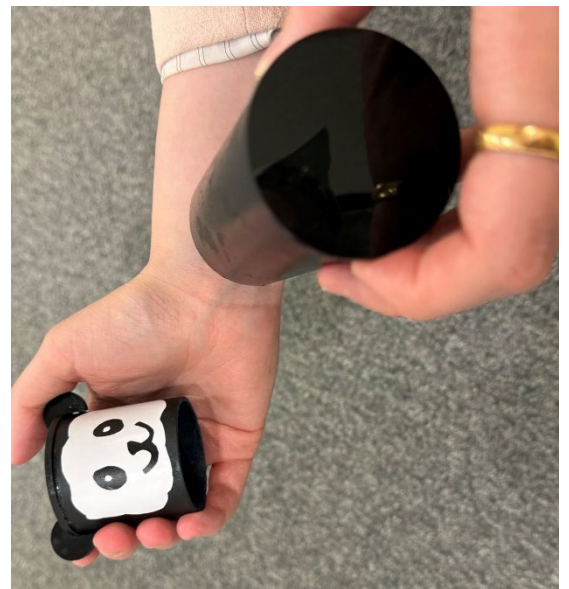
A thermochromic colour changing collapsible bathtub for travelling with babies



# Roller Toy

Aneesa Mustafa

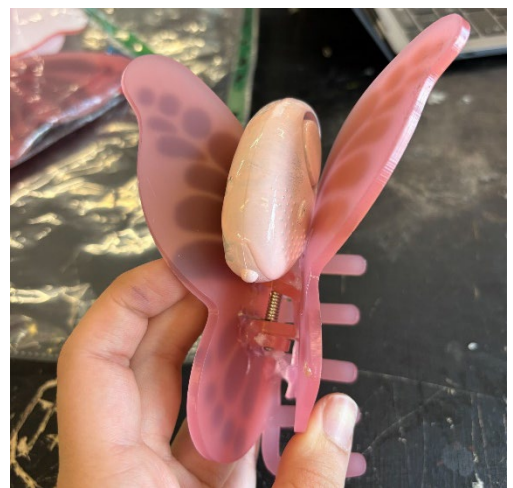
A portable metal roller toy for cooling children's eczema through play



# Rape Alarm Clip

Fajer Nokhas

A butterfly hair claw with a built-in rape alarm for the safety of young females travelling alone



# Safety Protection Vest

Hajer Ridha

A protective baby suit for safer first steps



# Musical Instrument Carrier

Kyra Oliveira Guimarães

An ergonomic instrument carrier for festivals, specifically a cajon



# PC Travel Solution

Loran Gol

A solution for PC users to prevent damage when travelling



# Baby Walker

Mohamed Eltahir

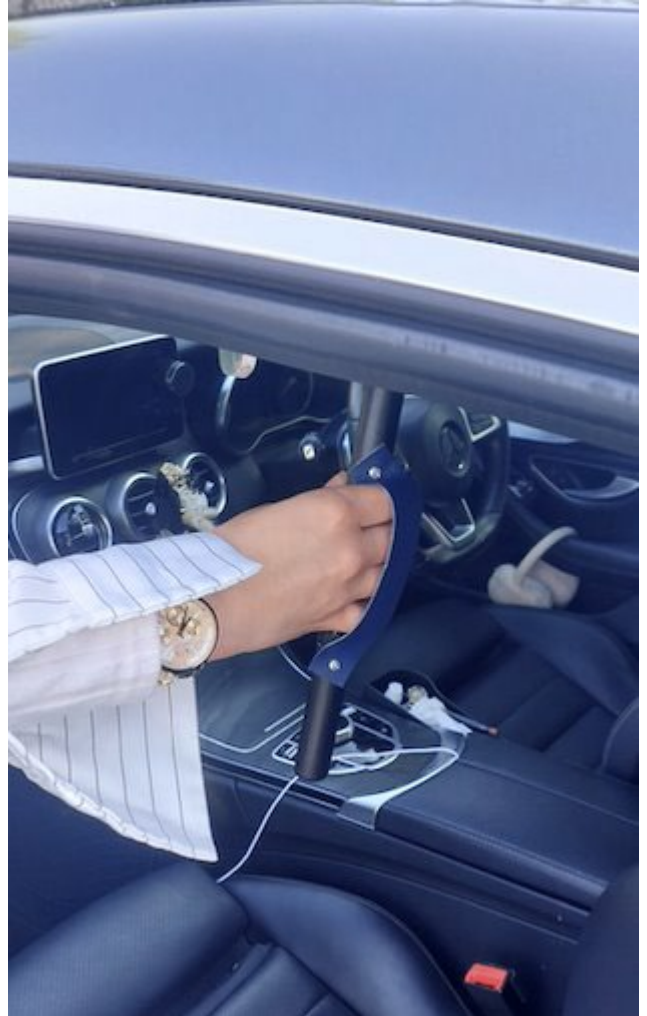
A safe baby walker to assist babies in learning how to walk whilst providing sufficient back support



# Handle Assist

Mohammed Abdul-Quyoom

Car assist handle for the elderly to enter and exit vehicles safely



# Adjustable Cutting Board

Mosab Goda

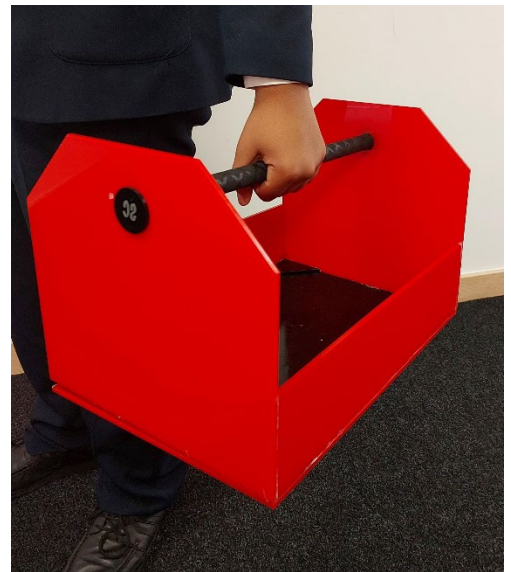
Adjustable height cutting board with to reduce back pain



# Essential Tray

Mumen Abdelaal

Food and drinks tray for users with physical disabilities



# Baby Safe

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Retaj Ibrahim

Protective baby hat with chin strap for safer first steps



# Conveyer

Yusuf Hussain

A solution for families eating together on the table or floor



# SafeWash

Zaid El Yazidy Achhab

A thermochromic colour changing safety tap attachment to visually indicate hot water for children



# EcoEar

Zakaria Chaib

Net Zero Q-tip solution made from seeded paper that can be planted after use, designed for sustainability

