

# LECKEY<sup>®</sup>

Squiggles  
Stander

~~Squiggles~~  
Squiggles



# LECKEY<sup>o</sup>

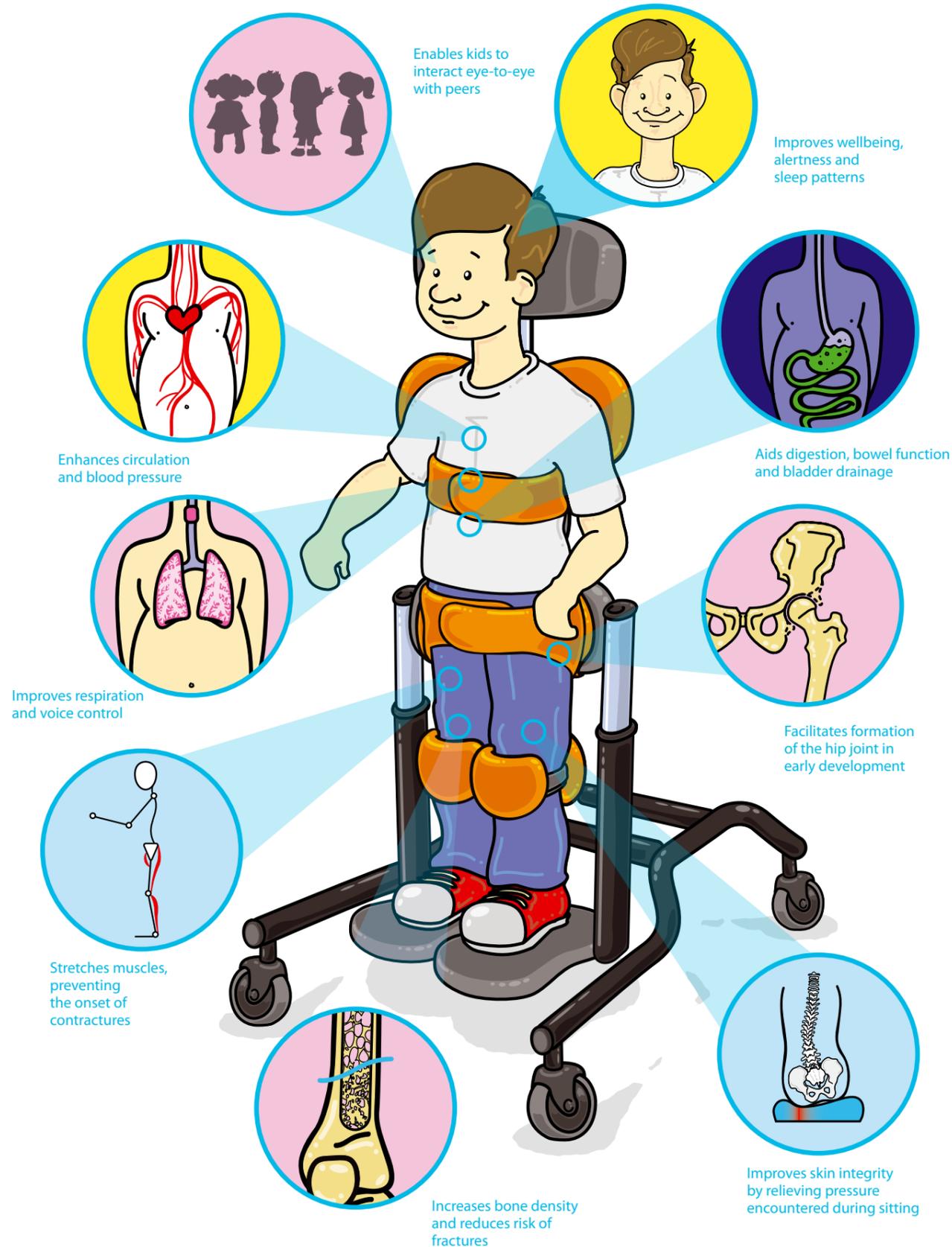
Stronger together.

We work with individuals, therapists and carers to design products with both a clinical and an emotional focus. Using the latest research and clinical understanding, we create practical solutions which are easily integrated into family life, because for us, life is about going, enjoying, participating and doing.

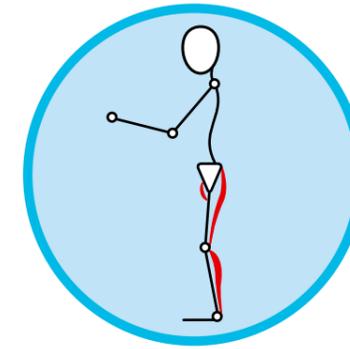
24 hour  
postural care for  
babies, kids & adults.  
Sleeping, Sitting,  
Standing, Walking,  
Moving, Bathing,  
Toileting.



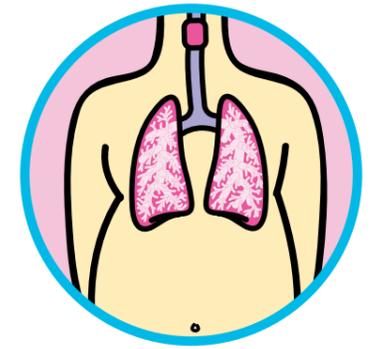
# Why Stand?



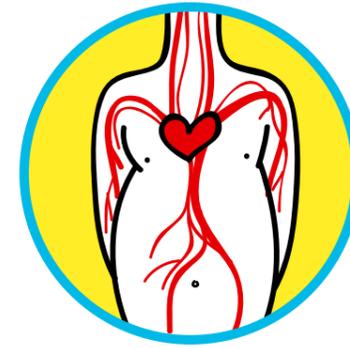
Standing increases bone density and reduces the risk of fractures. Normal bone development needs a combination of good nutrition, weight bearing, e.g. through standing or walking, and the use of muscles. Research shows that standing improves the bone density of the pelvis and leg bones of non-ambulatory children, such as those with CP, Muscular Dystrophy, Spina Bifida or spinal cord injury.



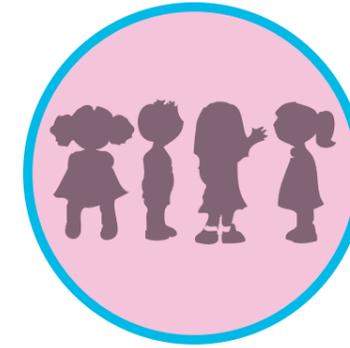
Standing stretches muscles, preventing the onset of contractures. Research shows that standing programmes, if maintained, improve the extensibility of the hamstrings, increase range of movement and reduce the extent of spasticity. Standing also provides proprioceptive input to young developing muscles and joints, builds endurance to standing and regulates resting muscle tone.



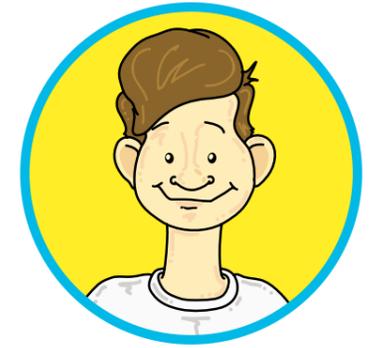
Standing improves respiration and voice control. When we stand, the diaphragm has more room to expand and contract, meaning that we can breathe in and out more easily, deeply and efficiently. Therefore, standing allows individuals to speak with improved volume and voice control.



Standing enhances circulation and blood pressure. Effective circulation is closely related to breathing. Standing results in improvements in blood pressure, heart rate and circulation, and a reduction in orthostatic hypotension and oedema in the legs and feet.



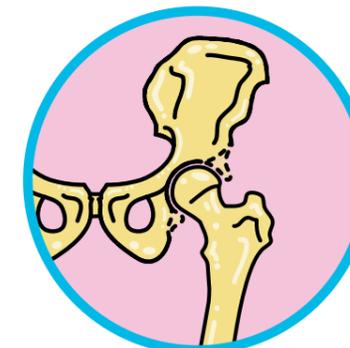
Standing enables kids to interact eye-to-eye with their peers. Eye-to-eye interaction improves confidence, self-esteem and self-image as the child can accomplish tasks in the same manner as other students or siblings. Supported standing eliminates the fear of falling and so allows the individual to direct their attention towards learning and social interaction.



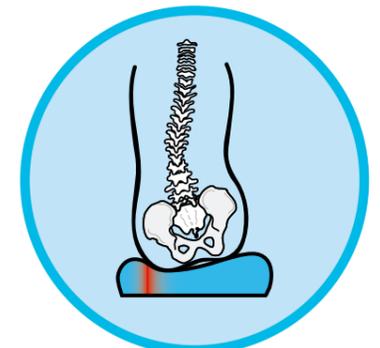
Standing improves wellbeing, alertness and sleep patterns. Studies have reported improved sleep, decreased fatigue, increased alertness and feelings of wellbeing from regular standing. While standing, the effects of retained primitive reflexes such as symmetrical tonic neck reflex (STNR) and tonic labyrinthine reflex (TLR) are more controlled and therefore, sensory organisation, comfort, energy and attention are maximised.



Standing aids digestion, bowel function and bladder drainage. Standing is believed to help with digestion and toileting through a combination of gravity and the activation of the stomach muscles. Studies have backed this up showing improved bowel regularity and clearance and better bladder awareness and emptying.



Standing facilitates the formation of the hip joint in early development. Children who stand at the normal developmental age of 12-16 months are considered more likely to develop the ball and socket of the hip joint, which can prevent hip subluxation or dislocation. Standing from an early age also helps a child with standing transfers in the future.



Standing improves skin integrity by relieving pressure encountered during sitting. As standing improves respiration, it allows more oxygenated blood to reach tissues which are subject to pressure when seated, resulting in fewer bedsores and improved skin integrity.



The Squiggles Stander is an extremely versatile three-in-one stander, offering prone, upright and supine standing in one product.

The product has a large growth range for kids aged 1 - 5 years and is available with a range of indoor and outdoor mobile bases.

The wide range of adjustability offered by the chest, hip, and knee supports and the head support in Supine provides clinicians with the tools to position a large range of children in the same product.

Colourful, tactile and fun design is ideal for young kids, with attractive age appropriate, machine washable covers, available in four colours.

Lightweight and robust stander support frame can be easily transferred from one chassis to another or disassembled for storage or transportation.





4. Removable headrest compatible with a number of head supports

3. Cushioned sternum pad

2. Adjustable chest positioning support

1. Adjustable pelvic positioning support

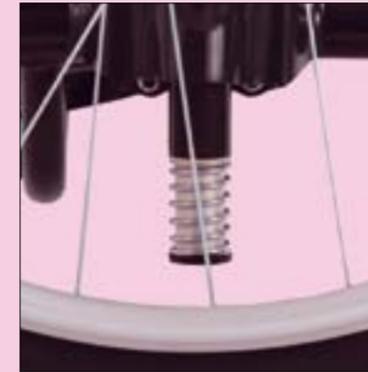
6. Adjustable knee supports

8. Pivot chassis

5. Adjustable foot plate



7. Contoured large activity tray



Mobility chassis:  
Unique wheel suspension system



7. Clear plastic tray

1. The height, depth, width and angle of the cushioned pelvic positioning support can be changed to support the child comfortably in a secure position.

2. The height, depth, width and angle of the chest positioning support can also be adjusted.

3. Cushioned sternum pad offers extra support which encourages extension and gives a wide range of freedom for the arms thus allowing a greater range of activities.

4. Headrest is compatible with a variety of head supports, including Whitmyer and Otto Bock. It can be removed for prone standing.

5. Adjustable footplates and sandals giving positive foot placement. The sandals can be turned around for prone standing.

6. Cushioned knee supports, which are individually adjustable in height, angle, rotation and depth, support the child's knees when supine standing.

7. Activity tray can be used in either prone or supine position.

8. Pivot chassis with its 4 lockable swivel castors is easy to manoeuvre and can be tilted from vertical to almost horizontal.

9. Compact, static Easel chassis offers angle adjustment from vertical to 70°.

The combination of the standing support and chassis options including our outdoor mobile chassis means that kids can benefit from standing therapy in any environment.

The Squiggles Pivot chassis offers a wide range of tilt incline options adjusting from vertical to almost horizontal.

This enables your child to be placed in the system at their preferred angle.

It has 4 lockable swivel castors which make it very manoeuvrable around the classroom or home. This lightweight chassis can fold away in seconds for storage or transportation.

The Squiggles Easel chassis is a compact static chassis which offers angle adjustment from vertical to 70°. The Easel chassis is a static base which is extremely compact and folds away easily for storage.

The Squiggles Mobility Chassis encourages children to explore their environment whilst maintaining their required posture. The mobility chassis offers a choice of 610mm (24") or 686mm (27") quick release wheels with a depth adjustable hand rail and drum locking brakes.

The unique suspension is a very important safety feature as it ensures that the wheels will always remain on the ground even when going over uneven surfaces in the garden or playground.



Easel Chassis

Mobility Chassis (Indoor)

Mobility Chassis

Pivot Chassis

## The Squiggles Standing system.

The standard product includes:  
Hip and chest support with sternum prompt; chest and hip lateral supports; kneecups; footplate and tray attachment.

### Squiggles standing system dimensions

Age (approx)	1 - 5	
Max user weight	22kg / 48.4lbs	
User height	Min 750mm / 29.5 inches	Max 1110mm / 43.5 inches
Chest support	Angle adjustment +/- 30°	Depth adjustment 50mm / 2 inches
Chest support height (footplate to armpit)	Min 550mm / 21.5 inches	Max 820mm / 32 inches
Chest width (distance between laterals)	Min 160mm / 6.3 inches	Max 230mm / 9 inches
Hip support (height from footplate to mid buttocks)	Min 300mm / 11.8 inches	Max 530mm / 20.8 inches
Hip width (distance between hip guides)	Min 160mm / 6.3 inches	Max 230mm / 9 inches
Distance between midline of knees	Min 140mm / 5.5 inches	Max 215mm / 8.4 inches
Footplate angle	Plantarflexion 10°	Dorsiflexion 10°

### Tray size

Tray height - Prone (footplate to top of tray)	Min 555mm / 21.9 inches	Max 825mm / 32.5 inches
Tray height - Supine (footplate to top of tray)	Min 480mm / 18.5 inches	Max 825mm / 32.5 inches
Tray angle adjustment	Prone 30°	Supine 40°

Stander support frame	Weight 7kg / 15.4lbs Width 390mm / 15.4 inches	Length 680mm / 26.8 inches Height 390mm / 15.4 inches
Pivot chassis footprint (unfolded)	Weight 5.5kg / 12.1lbs Width 550mm / 21.7 inches	Length 820mm / 32.3 inches Height 515mm / 20.3 inches
Pivot chassis footprint (folded)	Weight 5.5kg / 12.1lbs Width 550mm / 21.7 inches	Length 700mm / 27.6 inches Height 300mm / 11.8 inches
Easel chassis footprint (folded)	Weight 1.5kg / 3.3lbs Width 540mm / 21.3 inches	Length 690mm / 27.2 inches Height 60mm / 2.4 inches
Pivot chassis angle range	90 - 160°	90 - 70°
Mobile chassis weights	Without suspension and wheels 6.1kg With suspension and wheels 13.4kg With fixed wheel kit and wheels 13.4kg	With suspension, without wheels 8.4kg With fixed wheel kit, without wheels 8.4kg
Mobile chassis footprint	With wheels 740mm x 740mm	Without wheels 490 x 760mm

### Stander Shell

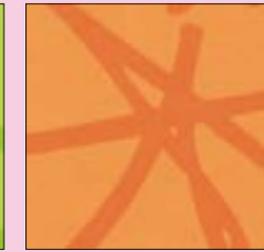


Standing system:  
Stander support shell

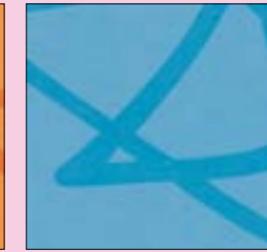
### Colour Options



Stander covers Green



Stander covers Orange



Stander covers Blue



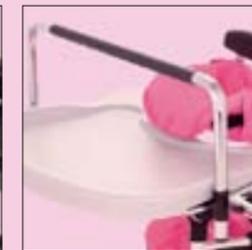
Stander covers Pink

Covers Include: Support Harnesses (2) and Support Cushions (2), Lateral Covers (2 Pairs), Kneepads (1 Pair), Spine Cap Cover

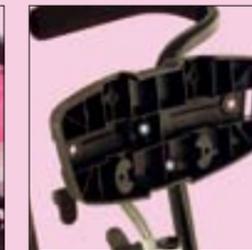
### Accessories



Sandals - small  
Sandals - medium



Tray  
Grab rail



Headrest support



Pelvic support harness (Mobility)



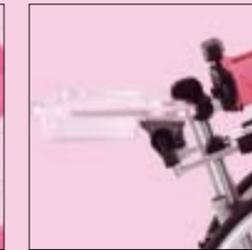
Contoured headrest  
+01 Green +02 Orange  
+03 Blue +04 Pink



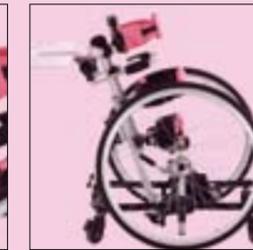
Flat headrest cushion  
+01 Green +02 Orange  
+03 Blue +04 Pink



Flat headrest  
lateral supports  
+01 Green +02 Orange  
+03 Blue +04 Pink



Transparent activity tray



27" Wheels (686mm)  
24" Wheels (610mm)  
Suspension Kit  
Fixed wheel kit



Spine cap cover

### Chassis Options

Pivot Chassis  
Gas operated.  
Can be adjusted  
with child in  
frame.



Easel Chassis  
Manually  
adjusted.  
Position cannot  
be altered with  
child in frame.



Mobility Chassis  
(Indoor) Without  
suspension kit.  
For indoor use  
only. Manually  
adjusted.



Mobility Chassis  
With fixed wheel  
or suspension  
kit. Manually  
adjusted.



### Leckey Servicing

Our FREE service and support includes:  
Free product training  
Free product set up  
Free product assessment  
Free product re-assessment  
Free repair within 2 year warranty

For service policies on all products outside warranty, please contact Leckey's Customer Service department. James Leckey Design Ltd as manufacturer with sole responsibility declares that all products conform to 93/42/EEC guidelines and EN12182 technical aids for disabled persons general requirements and test methods. Order forms and spare parts lists to extend the service life of the product and allow reissue are available on request or online at [www.leckey.com](http://www.leckey.com).

# LECKEY<sup>o</sup>

Established in 1983, Leckey is a globally recognised pioneer in the research and development of products that help adults and children with disabilities to go, do, enjoy and participate in everyday activities throughout the day and night.

We take a highly clinical approach to product design and development. Through in-depth clinical research studies with leading universities, and extensive trials with occupational therapists, physiotherapists, users and their families, we continue to develop posturally supportive, family friendly products for all day care, at every stage of life.

Through early intervention, childhood and adulthood Leckey's experienced team of designers, therapists and bioengineers work together to develop products that meet the clinical needs of the healthcare professionals and the social needs of the user.

To achieve this, we work with the healthcare professionals, the individuals and carers who use our products everyday. With their help, we create the dependable, durable, proven and high performance products that we are known for worldwide.



sleepvm

Eneforhandler for Leckey i Danmark



**WOLTURNUS**

24 hour postural  
care for babies,  
kids & adults.  
Sleeping, Sitting,  
Standing, Walking,  
Moving, Bathing,  
Toileting.