

LECKEY®

Squiggles
Early Intervention



Play
with
purpose


Squiggles

LECKEY^o

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.



PE

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

Time away



We never grow more than in the first three years of our lives. It therefore makes sense to ensure that special care babies receive all the help and encouragement they can, right from the word go. Early intervention can help with physical, cognitive and sensory development and can help to maximise a child's future potential.


Squiggles

It is easy to forget the importance of play in an infant's development. For babies and infants, playtime is discovery time. Playing helps kids to grow and develop.

All too often however, babies with special needs are limited in their opportunities to play, so making it easier for them to explore their surroundings through activity is very helpful for their development. Playing not only encourages physical, cognitive and sensory development, it also boosts the child's self confidence.

Designed specifically for infants from birth to 48 months, the **Squiggles Early Activity and Early Sitting Systems** represent our most exciting development of the Squiggles range. With an emphasis on learning through play and preventing problems before they set in, the Early Activity and Early Sitting Systems provide the support and training needed for special care babies.

Knowledge is Key

It is important for parents to understand the steps in their child's development, encouraging continuous growth and development. Both parents and care workers can participate in the activity programme, working with the infant to capture their interest and entertain them, at the same time as motivating the child to develop.

Parents and therapists can work together to develop a daily play routine, which encourages the child to develop in the areas which do not necessarily come as easily as others.



Integrated **Early Activity System** and educational Activity Development Programme are designed specifically to enhance babies' and young infants' development. The product and Development Programme are based on latest clinical research and expert opinion encouraging babies and infants to develop and learn through play and fun activities.

early activity system



Both product and programme have been designed to be age appropriate and enable therapists to develop easy to follow play based activities giving parents and carers the confidence and skills to fully participate in their child's physical, cognitive and sensory development.

The simple kit of components has been designed to be intuitive and easy to use so that anyone can use the product with virtually no training. They can be used in a variety of ways in 5 key positions:

Back lying (supine)

Tummy lying (prone)

Side lying

Floor sitting (long sitting)

Hands and knees (four point kneeling)

Supplied with an easy to carry duffle bag so activities and development are not restricted to home or school. Machine washable and tumble dry safe covers mean they are easy to clean and maintain.



The Early Activity System comes as standard with the Activity Development Programme, playmat, sitting support, trunk wedge, head support, 2 positioning straps, 2 medium rolls, 2 small rolls and Squiggles duffle bag.



The Early Activity System and **Activity Development Programme** have been specifically designed to complement each other and use the latest research and clinical thinking. The Activity Development Programme is an essential guide to making the most of the Leckey Early Activity System. It explains in detail the importance of early intervention for special care babies, offering guidance on the use of each element of the product.



1. Back lying (supine)

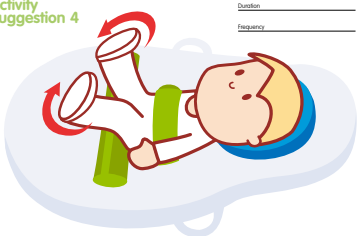
Activity Suggestion 4

Hold onto baby's feet and help him to kick or "pump" his legs. This helps to strengthen his legs and feet, and the reciprocal movement is one which is needed for later weight bearing or movement.

These activities can incorporate sensory components such as using a pump or a ball to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation.

Duration: _____

Frequency: _____



1. Back Lying (supine)

Wired bound for ease of photocopying, the Activity Development Programme is intended to support therapy. It provides a framework for clinicians and parents to understand how to provide special care babies with the support they need.

2. Tummy lying (prone)

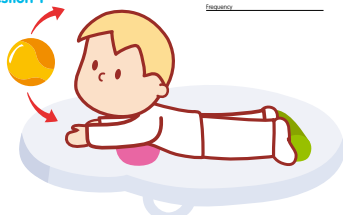
Activity Suggestion 1

Encourage your child to lift his head up - use a favorite toy to motivate him. To make this a little more difficult, try moving the toy slowly from side to side, so baby has to turn his head to follow it.

These activities can incorporate sensory components such as using a pump or a ball to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation.

Duration: _____

Frequency: _____



2. Tummy Lying (prone)

Dedicated sections focus on the activities required for purposeful play in the 5 key positions:

- 1. Back lying** (supine)
- 2. Tummy lying** (prone)
- 3. Side lying**
- 4. Floor sitting** (long sitting)
- 5. Hands and knees** (four point kneeling) and the transitions needed between each position.

Every activity is carefully explained, stating the clinical reasons for each one, along with the physical, cognitive and sensory goals. Guidelines are provided for positioning, although therapists can alter these according to the needs and abilities of the child.

3. Side lying

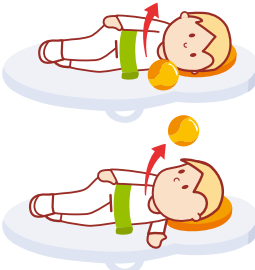
Activity Suggestion 2

Hold a brightly coloured object such as a ball or pumpkins about 12-15" in front of baby's face. When the object is in a quarter circle, then back, going slowly enough so baby's eyes can follow it. Alternate sides so baby's head learns to move in both directions.

These activities can incorporate sensory components such as using a pump or a ball to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation.

Duration: _____

Frequency: _____



3. Side Lying

As you use the Activity System more and more, you will learn to improvise with its various components. It is the simplicity of each element that permits the Activity System to be structured around the needs of the child, providing them with the valuable support they need to develop.

4. Floor sitting (long sitting)

Activity Suggestion 2

Encourage your child to reach for toys while sitting. Make this play more difficult by placing objects a little ways in front of baby, so he has to reach further forward to get them.

These activities can incorporate sensory components such as using a pump or a ball to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation.

Duration: _____

Frequency: _____



4. Floor Sitting (long sitting)

To help keep a record of the child's progression, we have structured the programme to enable the pages to be easily photocopied, detailing the duration and frequency of each activity to be practised at home. In this way, objective setting and goal achieving can be easily recorded both by parents and clinicians.

5. Hands and knees (four-point kneeling)


Activity Suggestion 3

Place activities in front of baby to start with. To well babies to use one hand while balancing on his knees and other arm.

These activities can incorporate sensory components such as using a pump or a ball to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation. Use balls, balloons, pumpkins, or other objects to provide tactile stimulation.

Duration: _____

Frequency: _____



5. Hands and Knees (four point kneeling)



At Leckey, we encourage families and therapists to participate in our **Case History Programme**. Your involvement in the case history programme allows you to contribute directly to the evidence base about specific Leckey products.

The image features large, stylized letters. The letter 'P' is a light green color and is positioned on the left side. To its right, the letters 'a', 'l', and 'o' are in a bright blue color. The 'a' is lowercase and has a rounded bottom. The 'l' is lowercase and is a simple vertical bar. The 'o' is lowercase and is a simple circle. The letters are thick and have a slightly irregular, hand-drawn appearance. The background is white.

What does this mean for everyone?
For parents and families it means working with therapists to plan realistic goals for the child's development and recording progress against these.

For therapists, as well as working more closely with parents, it means producing evidence that particular products are effective with certain children. This can enable you to justify funding more easily.

Therapists can also refer to other Leckey case studies when planning a therapy programme.

From our point of view, it helps us understand whether the products we have designed are effective and lets us identify areas which need further research in partnership with universities and other research clinicians.

And where consent has been given, it provides practical examples for use in our training and education programme. See the Training and Education section of our website for further information.

The Play Along pack consists of:
Letter
Introduction
Information Collection Guide
Write-up Guide
Report Form
Consent Form



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The **Early Sitting System** is a simple, easy to set up, versatile 3 in 1 sitting system which encourages dynamic sitting, prone sitting and long sitting. It is lightweight, compact and portable meaning your child will have appropriate support at all times no matter whether at home, at school or on holidays.

early sitting system







The dynamic trunk support allows upper body movement and encourages the child to develop sitting balance while the secure 4 point pelvic support and contoured seat base maintains a stable sitting position.

Specially designed for kids aged 18 to 48 months, the Early Sitting System is ideal for helping children with special needs to develop and grow. The unit itself has a small footprint, enabling valuable interaction with other kids.

Sitting is an incredibly important position for children. Sitting with support encourages the development of head control and provides a stable base from which kids can use their hands. Sitting allows interaction with the surrounding environment and aids communication.

Children are most likely to develop the head, trunk and pelvic stability they need to achieve dynamic sitting balance when they can learn to shift their weight forwards, backwards or sideways, keeping their balance.

This is why Leckey has developed the Early Sitting System. This modular product comprises a seat base, dynamic trunk support, cushioned leg support plus other features which facilitate three key therapeutic seating goals:

Dynamic Sitting
Long Sitting & Flexed Sitting
Prone Sitting





Dynamic Sitting

The dynamic trunk support allows enough movement to encourage kids to explore their environment, developing physical, cognitive and sensory skills. The trunk support can be secured in an upright sitting position, or locked in any prone angle, retaining flexibility. Adding the abduction pommel to the seat base increases the stability offered, by abducting and externally rotating the femurs. Where additional anterior support is required, an angle and height adjustable padded tray gives the perfect surface for support and function.



Long Sitting and Flexed Sitting

Long sitting, a typical developmental stage, is traditionally a position used in therapy to stretch the hamstring muscles. The Early Sitting System enables this with the attachment of the adjustable leg support. The cushioned leg support is supplied with an abduction pommel and positioning strap, which maintain the legs in symmetrical alignment. By removing the leg support and placing the flexion roll under the knees, a more flexed sitting position can be provided for the child. The raised seat base helps to prevent the legs from falling into abduction, and the pelvis from falling into posterior tilt, providing a more symmetrical and functional position.



Prone Sitting

Prone sitting refers to the forward tilt of the seat base. When seated in this position, the pelvis is encouraged to tilt forward. This position can be used to promote development of the spinal curves, stability of the trunk and improved function. The seat base with the leg support attached can be elevated into prone by inserting the prone bar into the underside of the seat base.

The Early Sitting System

The standard product includes:
 Seat base; chest support;
 pelvic harness; seat cushions; trunk
 cushions; chair attachment straps.

The Early Sitting System
 Complete Package also includes:
 Leg support; activity tray;
 abduction pommel; flexion roll;
 spacer pads; prone bar.

Product Sizing

Early Sitting System		
Age	18 months to 48 months	
Max user weight	17kg	
Stature	Min 800mm	Max 1000mm
Seat shell		
Hip width (seat shell base)	Min 150mm / 5.9 inches	Max 200mm / 7.87 inches
Seat depth (backrest to back of knee)	Min 190mm / 7.48 inches	Max 260mm / 10.23 inches
Backrest height (seat shell)	Standard 100mm / 3.93 inches	
Pelvic harness		
Hip circumference	Min 502mm / 10.7 inches	Max 570mm / 22.44 inches
Leg support		
Leg length (buttock to sole)	Min 552mm / 21.77 inches	
Trunk support		
Chest width (distance within trunk support)	Min 160mm / 6.29 inches (with space pads)	Max 220mm / 11.6 inches
Height	Min 255mm / 10 inches	Max 295mm / 11.6 inches
Trunk support height	Min 190mm / 7.48 inches	Max 255mm / 10 inches
Trunk angle adjustment	75° - 115° (degrees)	
Prone bar		
Pronation angle with leg support	15° (degrees)	
Tray		
Area (fully assembled to max tray height)	width 600 x breadth 480 x height 280 mm	width 23.6 x breadth 18.89 x height 11 inches
Area for transport (Tray folded with legs removed)	width 600 x breadth 480 x height 80 mm	width 23.6 x breadth 18.89 x height 0.43 inches
Height adjustment (distance from floor to tray surface)	Min 240mm / 9.4 inches	Max 280mm / 11 inches
Angle adjustment	Range from 180° - 90°	



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.

Accessories



119-669
Abduction pommel



119-670
Flexion roll



119-672
Spacer pads (pair)



119-062
Prone bar



119-673
Leg support



119-627
Activity tray



Adjustable
chair straps
(included)

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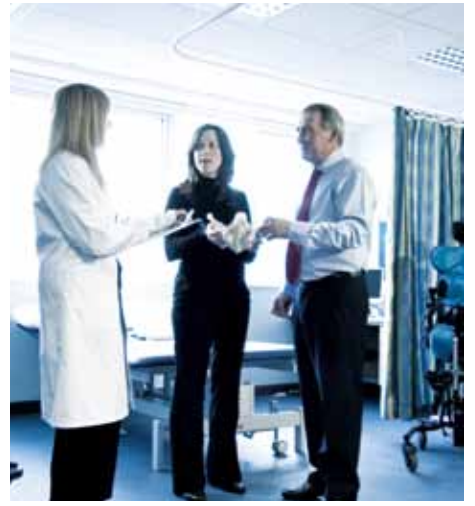
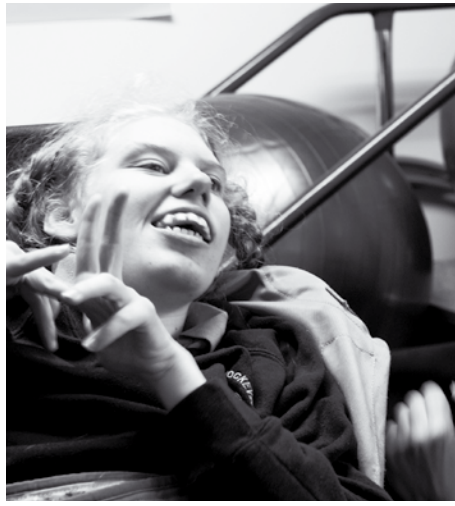
Established in 1983, Leckey is a globally recognised pioneer in the research and development of products that help adults and children with disabilities to go, do, enjoy and participate in everyday activities throughout the day and night.

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.





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care for babies,
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