

Tactile Learning Materials

FundaMental™ Tactile Learning Materials is a specialized learning and cognitive developmental material that strengthens, develops, and enhances learning, problem-solving strategies, and cognitive information processing. It is designed specifically with the purpose of targeting cognition for children with learning & developmental special needs. It has also proven as a valuable tool for general cognitive enrichment for children, adolescents, and adults with more diffuse and subtle needs for clearer processes of perceiving, learning and problem-solving strategies.

FTL materials is developed by an educational psychologist and an associate professor in education, and integrates deeply rooted knowledge about learning, cognition, and neuropsychology from, among others, prominent theorists as Piaget, Feuerstein, Vygotski, Nyborg, Carl Haywood, Gibson, Waldon and others.

The FTL materials consists of the subkits:

FundaMental™ Foundation Kit

FundaMental™ Basic Kit

FundaMental™ Extension to Basic Kit

FundaMental™ Complex Kit

FundaMental™ Game & Multiuser Kit

FundaMental™ Assessment Set

FundaMental™ Assessment Set

What cognitive functions and processes can be targeted with FTL Materials

The materials are suited for strengthened learning, cognition, and problem-solving strategies in general, but can specifically be aimed at developing a variety of cognitive functions and processes:

Self-regulation

- Attention Control
- Control of Impulsivity
- Systematic Exploration
- Focusing
- Planning
- Tolerance for ambiguity/uncertainty

Information Processing

- Precision and Accuracy
- Sequential perception
- Goal-directed Perception
- Bottom-up processing
- Top-Down processing

Language, Coding, and Internalization

- Verbal Tools and Concepts
- Analytic Coding
- Working Parallely with Several Information Sources
- Working Memory
- Internalization
- Communication and Explanatory skills
- Defining Characteristics and Constancies

Logical Reasoning

- Establishing Connections & Relations
- Pattern Recognition
- Comparing
- Ordering, Grouping and Categorization
- Analysis & Synthesis
- Inductive Reasoning
- Deductive Reasoning
- Analogic Reasoning
- Mental Visualization, Imagination and Representation
- Mental Transformation

Self-Awareness, Motivation and Learning Attitude

- Curiosity & Motivation
- Active Explorative Behaviour
- Self-reliance, -confidence, and -efficacy
- Handling Cognitive Challenges
- Self-awareness & Metacognition
- Openness to Mediation

Spatial Orientation

- Inner Mental Map
- Spatial Orientation
- Spatial Conceptual Tools
- Perspective Taking
- Rotation and Mirroring

Users

The FTL materials can be used by psychologists, occupational therapists, teachers, pedagogues, parents, and others with a need for enriching, training, and developing children's cognitive functioning. It is highly recommended that users acquire proper training in the use of the materials and training methods, to take full advantage of the materials and its potentials.

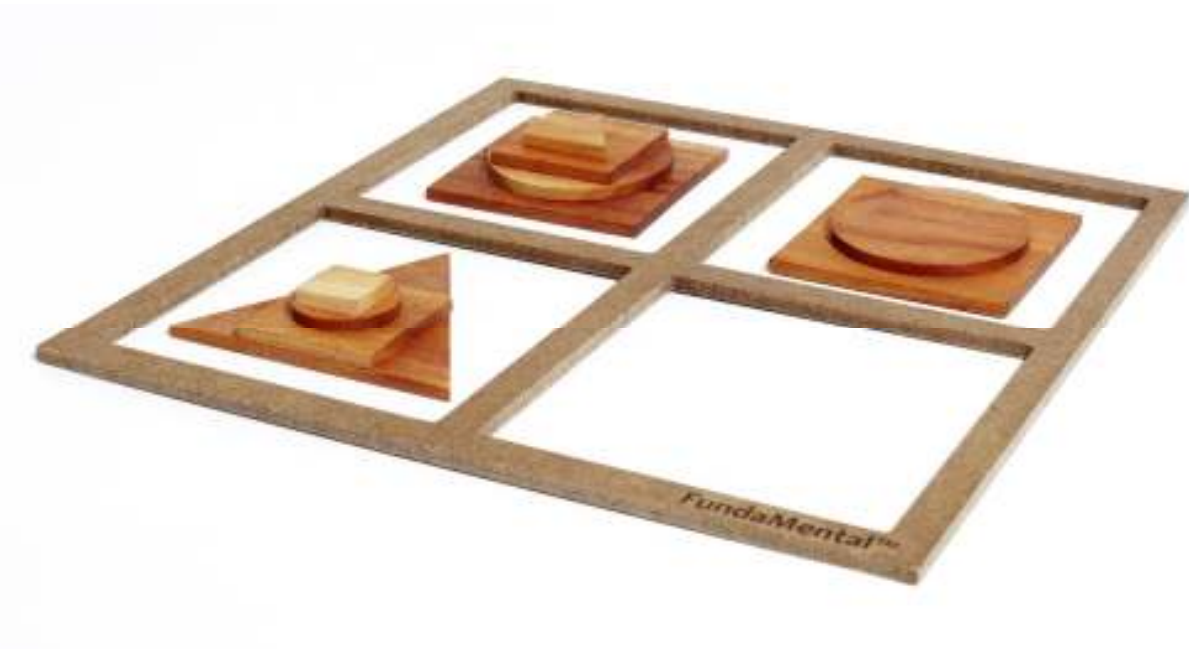
Quality and production

FTL Materials wood products are produced in high quality hardwood in a production line with high awareness of sustainability and social corporate responsibility. The production facility is partially Danish owned and with many years of experience in production of quality wooden toy. The production of materials for tactile exploration requires a very high degree of precision and the need for partially handmade processing. The materials need to be high quality to ensure that they don't easily get marks and scratches, which also makes them very durable.









Description of the different sub kits in FundaMental™ materials (subject to changes)

FundaMental™ Foundation Kit

- Big tactile exploration box
- Sorting and grouping frames
- Small tactile boxes (2 pieces)
- Eye band

FundaMental™ Basic Kit

- Attribution blocks
- Composite Figures (including visual materials)
- Seriation Bricks
- Transformation Bricks
- Direction Arrows
- Metal worktop (for magnetic materials)
- Non-slip worktop
- Organizing frames for Progression and Transformation Bricks
- Visual material holders

FundaMental™ Extension to Basic Kit

- Spatial Orientation set
- Rubber Attribution set
- Magnetic geometric shapes
- Tactile Pattern Stones Set (including tactile prints and visual materials)
- Numeric Tactile Stones Set
- Tactile print for Composite Figures

FundaMental™ Game & Multiuser Kit

- Tactile puzzle
- Tactile Domino
- Tactile noughts and crosses' game
- Tactile 4-in-a-row
- Tactile Picture Lottery
- Box with four hand openings
- Two extra small tactile boxes

FundaMental™ Complex Kit

- Complex tactile puzzle
- 3D analytical Geometric Shapes set
- Analytic Tactile Alphabet set
- 5- and 6-layer Complex Composite Figures

FundaMental™ Assessment Set

- Assessment test 1, including parallel test
- Assessment test 2 including parallel test
- Instruction and scoring tool



FundaMental™

Tactile Learning

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