Moonchild is a collection inspired by the retrofuturism of the 1960s. The sixties was a decade full of energy and power and fashion that made a statement. This collection embodies that spirit in its playfulness and originality from design to production. Developed for children with ASD, this personal protection line combines functional needs and fashionable trends into adaptable clothes for everyday wear.

**Color Palette**
- PANTONE 17-0010 TCX
- PANTONE 11-3100 TCX
- PANTONE 11-0614 TCX
- PANTONE 16-1617 TCX
- PANTONE 13-4002 TCX
- PANTONE 15-5812 TCX
- PANTONE 16-4116 TCX
- PANTONE 16-4096 TCX
- PANTONE 19-4031 TCX

**Patterns**
- Dress: 100% Organic Cotton Woven With Engineered Digital Print
- Leggings: Knit, 90% Polyester, 10% Elastane
- T-shirt: 100% Organic Cotton Knit
- Pants: 75% Cotton Woven, 14% Polyester, 11% Modal, 1% Elastane
- Poncho: 100% Recycled Polyester, Gore-Tex Coating

**Features**
- Magnetic openings on either side of the front for ease of use and independent dressing
- Abdominal access slit for feeding tubes is hidden under belt with a velcro closure for easy access
- Handles are attached on either side of rainboot to aide in wearing
- Front of sweater includes a sensory bag in the form of a pocket for tactile activity and sensory practice. Tactile elements are lightweight, safe, and sealed within layers of vinyl
- Removable hood is attached to collar using velcro on either sides
- Velcro opening at sides to insert arms and assist in movement and play
- Poncho is reversible with a contrast of solid and printed fabric
Fall/Winter Adaptive Collection for Children with ASD

**STYLE/INFLUENCE**

The Sixties

This collection is strongly inspired by the retro futuristic style that accompanied the space race in the 60s. As a significant characteristic of the decade, aspects of space are incorporated into each piece, from the mid-century modern print to the references in decorations and lines. The collection also takes from the simple, boyish, and A-line silhouettes of the decade. Geometric cuts and color blocking were adapted for modern times while providing a nod to the bold styles of 1960s fashion.

**Color Palette**

The color palette was chosen based on research on the target market. Children with ASD. Tonal shades of blue and green, mixed with grey, are the preferred and most comforting colors. Bright contrast colors were also avoided in both the chosen palette and the placement of different colors on the clothing.

**FOCUS AREA & DESIGN**

Sensitivity to clothing is common among many children, and for children with ASD, this awareness of clothes can be heightened, causing obstacles in everyday activity. Simply getting dressed in the morning can become an ordeal that puts stress on both the child and the parent. For caretakers, training independence in self-care, including dressing, feeding, grooming, and toileting, is a top priority. All fabrics, closures, colors, patterns, and design features in Moonchild are chosen with this aim in mind, while keeping the collection fun and fashionable for children of the

**Fabric**

Fabrics are consistent and soft on the skin, allowing them to stay comfortable with prolonged wear. Garments are made with 100% organic cotton and bottoms are combined with elastane for additional stretch and flexibility.

**Construction**

In order to cause as little irritation to the skin as possible, all products are label free and finished with a combination of flatlock seams and welded seams. This allows the garment to lay flat against the body without excess bulk. Velcro and magnetic closures are used rather than buttons or snaps to decrease the difficulty and time it takes to don on and off. These types of closures also allow the children to dress themselves without much assistance from a parent or caretaker.

**Design**

Wider silhouettes in the pants, dress, and sweater provide for ease of movement and stretch. The pants include a slightly raised back and an elastic waistband to reduce restriction and aid in self-care for the child. Closures are kept to the front of garments to make dressing easy and intuitive. Tactile stimulation is also included in the sweater to improve sensitivity of the senses.

**MARKET RESEARCH**

The current market for adaptive clothing is limited in range and dated in style. Clothing tagged as adaptive or that include special fit features are often not desirable due to stigma and barriers between the disabled and nondisabled. For children with ASD, expression in clothing contributes to their self image as well as their interactions with peers. Due to a high focus on functionality and the shortage of brands or lines producing adaptive clothing, available clothes lack an aesthetic aspect in fashion and individuality for the customer. Much of the selection currently on the market also lean more towards the typical design of comfortable, loose, and casual, resulting in pieces that cannot serve multiple occasions. For parents, clothing must be comprehensive in usability, functionality, and style.

**TARGET CUSTOMER**

Children with ASD of elementary age (5-10) for whom play and personalization is important. Parents and caretakers who are looking for functional pieces that provide style, support, and independence for their children.

**PROTECTION AGAINST WATER**

- TM22: Water Repellency: Spray
- TM35: Water Resistance: Rain
- TM42: Water Resistance: Impact Penetration

These test methods are applicable to any textile fabric and test different conditions of water contact in relation to the fabric. These are used to ensure that the garments are durable for the extent of outdoor activity and play of elementary children.

**BREATHABILITY**

- TM197: Vertical Wicking of Textiles
- TM198: Horizontal Wicking of Textiles
- TM204: Water Vapor Transmission of Textiles

These test methods evaluate the ability of the fabric to transport liquid along or through the material. These methods test the breathability of indoor and outdoor products, especially the inner layers. For children with ASD, the tests are used to assure good temperature regulation and comfort.